

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

Neanthes arenaceodentata culture and sale

2. Name of applicant:

Mary Ann Rempel-Hester, Ph.D.
Brian Hester

3. Address and phone number of applicant and contact person:

1849 Charleston Beach Road West
Bremerton, WA 98312
(360) 813-1202

4. Date checklist prepared:

April 28, 2010

5. Agency requesting checklist:

Washington Department of Fish and Wildlife

6. Proposed timing or schedule (including phasing, if applicable):

Initiation of culturing of organisms by June 2010. Initiation of full-scale sale of organisms by May 2011.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

None.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

None.

10. List any government approvals or permits that will be needed for your proposal, if known.

Shellfish Import Permit from Dept. of Fish and Wildlife

Shellfish Transport Permit from Dept. of Fish and Wildlife

Business License

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

N. arenaceodentata is a marine polychaete worm that is required for testing the toxicity of sediments, especially potential dredged material, throughout the United States, including Washington, as well as in some foreign countries. Currently the only commercial supplier to testing laboratories is an emeritus professor at California State University Long Beach, who is soon to retire. His population of *N. arenaceodentata* was initiated by the collection of six worms in the 1960s from the Los Angeles, CA area. The population has been cultured exclusively in the laboratory since that time. We propose to take over the culture and sale of the species upon his retirement to maintain the supply of the organism for environmental toxicity testing purposes. On the west coast the species distribution is known to extend from the waters off of Baja California to Palos Verdes, California. As the species is not believed to be native to Washington, precautions must be taken to avoid the accidental release of the organism, or the introduction of any shellfish disease that may be associated with the organism.

The facility to be used for the culturing of the test organisms is located in the basement of a residence at the address listed above. The finished room is approximately 230 square feet with a concrete floor and two entrances. Once the culturing reaches full capacity, there will be approximately 80 breeding pairs and 7000 juveniles maintained on-hand (adults are approximately 2 inches long, juveniles about 1 inch or less, for reference). Filtered seawater from northern Hood Canal (Port Gamble) will be brought in from off-site for use in culturing, and

treated before discharge into the county sewer system. The system will be completely closed. Sales will be made by hand delivery to local laboratories or overnight delivery using either FedEx, UPS, or other overnight courier. No customers will be visiting the culture facility. Activities will not be visible from the street or neighboring residences. The facility will not be publicly accessible. There will be no construction associated with this proposal.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The facility will be located in the basement of the residence at 1849 Charleston Beach Road West, Bremerton, WA 98312. It is in an urban medium residential zone in Kitsap County, near Bremerton. The neighborhood is 7100591, or West Bremerton Unincorporated. The residence is located across Highway 3 from Sinclair Inlet, as shown in the attached parcel map.

The legal description of the parcel is as follows.

THAT PORTION OF GOVERNMENT LOT 1, SECTION 28, TOWNSHIP 24 NORTH, RANGE 1 EAST, W.M., IN KITSAP COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS: LOT 1, BEGINNING AT THE NORTHEAST CORNER OF SECTION 28; THENCE NORTH 88°21'21" WEST 1330.08 FEET; THENCE SOUTH 1°16'20" WEST 939 FEET; THENCE SOUTH 1°6'20" WEST 93.90 FEET; THENCE SOUTH 88°32'46" EAST 1121.60 FEET TO THE WESTERLY MARGIN OF THE NAVY YARD HIGHWAY, THE TRUE POINT OF BEGINNING; THENCE NORTHERLY ALONG THE WEST MARGIN OF SAID HIGHWAY 98.28 FEET; THENCE NORTHERLY 88°32'46" WEST 115 FEET; THENCE SOUTH 1°6'20" WEST APPROXIMATELY 97 FEET TO THE SOUTH LINE OF THE ABOVE DESCRIBED PARCEL; THENCE SOUTH 88°32'46" EAST 110 FEET TO THE TRUE POINT OF BEGINNING; EXCEPT PORTION THEREOF LYING SOUTH OF THE PROPERTY DESCRIBED IN PARAGRAPH NO. IV AS PER KITSAP COUNTY.

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other

The location of the facility is inside an existing building, and no construction or other alteration of the landscape will be performed. The landscape around the building is terraced, sloping down to the street.

b. What is the steepest slope on the site (approximate percent slope)?

Approximately 12%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Not applicable, but in general it is sandy soil.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

The area is listed as “unstable” for slope stability in the Department of Ecology’s Coastal Zone Atlas.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

None.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

No.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

The amount of impervious surface will not change.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

There is no expected impact to the earth.

2. **Air**

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

There are no expected emissions from the project, either before or after the project is completed.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

There are no expected impacts to air.

3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

There are two small spring-fed creeks on the property, one behind the residence and one on the north side of the residence. They both discharge into a storm drain. Sinclair Inlet is across the highway from the residence (see parcel map attached).

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

The work will occur inside the house, which is within about 20 feet of the two creeks at certain points, but due to the location of the room in which the work will be conducted, and the location of the creeks (either upslope from the room, or too far from the house), it is impossible that any accidental discharge could occur to the creeks. The house is estimated to be about 200 feet from Sinclair Inlet (see parcel map attached). Steps will be taken to eliminate potential for accidental discharge to storm drains. Please see attached protocol for specifics.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

Approximately 20-40 gallons per week of filtered seawater will be used. The seawater will be collected from a site in Port Gamble. Once used it will be treated with bleach then disposed into the sewer.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No.

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No. All discharge will be to the county sewer system.

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None. The house is on the county sewer system.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

The facility is indoors. There will be no water runoff.

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

Procedures have been established to eliminate the chance for accidental discharge, as outlined in the attached protocol.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Please see attached protocol.

4. Plants

- a. Check or circle types of vegetation found on the site:

X _____ deciduous tree: alder, maple, aspen, other

X _____ evergreen tree: fir, cedar, pine, other

X _____ shrubs

X _____ grass

_____ pasture

_____ crop or grain

_____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

X _____ water plants: water lily, eelgrass, milfoil, other

_____ other types of vegetation

- b. What kind and amount of vegetation will be removed or altered?

None.

c. List threatened or endangered species known to be on or near the site.

Unknown.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Not applicable.

5. Animals

a. **Bold** any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, **eagle**, **songbirds**, other:

mammals: deer, bear, elk, beaver, other:

fish: bass, **salmon***, trout, herring, shellfish, other: *In Sinclair Inlet only, the spring fed creeks on the property do not support salmon spawning

b. List any threatened or endangered species known to be on or near the site.

None.

c. Is the site part of a migration route? If so, explain.

No.

d. Proposed measures to preserve or enhance wildlife, if any:

The location is inside an existing building, there will be no impact on wildlife.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electric, for heating and powering air pumps, lighting, etc.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Compact fluorescent lighting, minimizing number of air pumps necessary, weather-stripping. The facility is at our residence, therefore commuting will not be required and gasoline consumption will decrease.

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

Bleach will be kept on hand to treat wastewater prior to discharge.

1) Describe special emergency services that might be required.

None.

2) Proposed measures to reduce or control environmental health hazards, if any:

Bleach will be kept in secondary containment. Less than two gallons will be kept on hand at any time. The bleach will only be used in a well-ventilated area.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

There is significant amount of existing traffic noise from the highway, but it is not expected to affect the project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

There would be no noise emanating from the site as a result of this project. The only exception may be the use of a back-up generator to power the heat and air supply in the room if the electricity goes out. It is unlikely that the generator would be heard in the community above the traffic noise.

3) Proposed measures to reduce or control noise impacts, if any:

Only use the generator if the power will be out for more than two hours and there is a threat of a large temperature decrease. If outside temperatures are warm (more than 65 degrees) and the power goes out, then the generator will only be used if the power is out for more than six hours, to maintain the air supply to the tanks. Use the smallest and quietest generator necessary to maintain vital functions.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties?

Residential

b. Has the site been used for agriculture? If so, describe.

No, other than a home garden.

c. Describe any structures on the site.

One house with basement and two floors above, one shed.

d. Will any structures be demolished? If so, what?

No.

e. What is the current zoning classification of the site?

Medium density residential

f. What is the current comprehensive plan designation of the site?

Urban medium/high density residential

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable. The site is outside of the 200 foot limit.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

The area is marked as "unstable" for slope stability in the Department of Ecology's Coastal Zone Atlas. There are no other "environmentally sensitive" designations to the best of our knowledge.

i. Approximately how many people would reside or work in the completed project?

Two.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not Applicable.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Conducted a staff consult meeting with the county planners on April 28th, 2010. There were no incompatibilities cited.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

c. Proposed measures to reduce or control housing impacts, if any:

Not Applicable.

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

There will be no change to the exterior of the existing building. There will also be no signage.

- b. What views in the immediate vicinity would be altered or obstructed?

None.

- c. Proposed measures to reduce or control aesthetic impacts, if any:

Not applicable.

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The room is on a 12:12 light:dark cycle. Therefore during times of the year when there is less than 12 hours of light, passersby may see lights on in the basement through the windows. But the light will be no brighter than, say, light coming from a dining room window of a house. The windows of the room also are not visible from other dwellings.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

- c. What existing off-site sources of light or glare may affect your proposal?

None.

- d. Proposed measures to reduce or control light and glare impacts, if any:

None.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

Boating and fishing in Sinclair Inlet.

- b. Would the proposed project displace any existing recreational uses? If so, describe.

No.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None.

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No.

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None.

- c. Proposed measures to reduce or control impacts, if any:

None.

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The site is served by Charleston Beach Rd West, a dead end county street. There will be no change to current access.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No. 0.5 miles.

- c. How many parking spaces would the completed project have? How many would the project eliminate?

There are currently two parking spaces in the driveway. This will not change.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No.

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Perhaps one or two, mainly in the afternoon.

- g. Proposed measures to reduce or control transportation impacts, if any:

None.

15. **Public services**

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

16. **Utilities**

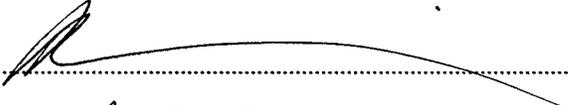
a. **Bold** utilities currently available at the site: **electricity**, natural gas, **water**, **refuse service**, **telephone**, **sanitary sewer**, septic system, other.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity, which might be needed.

The current utility service is adequate for the project.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Date Submitted: *April 28, 2010*

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

There will be no significant increase in discharges to water, emissions to air, production, or release of toxic or hazardous substances. There will be storage of bleach on the premises as a result of this proposal. There is a small change of an increase in noise if a generator is needed in cases of power outages, however it is unlikely that it could be heard by the surrounding community above the traffic noise from the highway.

Proposed measures to avoid or reduce such increases are:

Storage of bleach in secondary containment, keep less than two gallons on hand, and use in a well-ventilated area. Only use the generator if the power is out more than two hours when temperatures are less than 65 degrees, or more than 6 hours when temperatures are greater than 65 degrees.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

The analysis and containment procedures below will eliminate any possible effect on plants or wildlife.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

The organisms will be analyzed for potential shellfish pathogens twice within the first year of importation. Secondary containment containers and absorbent booms will be placed in the room to collect any accidental spillage. Shoe exchanges will be performed when entering and exiting the room to minimize any tracking of organisms, etc. outside of the room. Clean, local, natural seawater will be used to maintain the organisms. Wastewater will be treated with bleach before disposing into the sewer system. The room will not have public access.

3. How would the proposal be likely to deplete energy or natural resources?

The proposal will require very little excess energy over standard residential use and will not deplete natural resources.

Proposed measures to protect or conserve energy and natural resources are:

None.

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

The proposal will not affect environmentally sensitive areas.

Proposed measures to protect such resources or to avoid or reduce impacts are:

None.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

As the culturing facility will be a small home business completely contained inside the residence with no outward signs of its presence, the proposal will have no effect on the residential use of the shoreline in the area.

Proposed measures to avoid or reduce shoreline and land use impacts are:

None.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

The proposal is unlikely to increase demands on transportation or public services and utilities.

Proposed measures to reduce or respond to such demand(s) are:

None.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

A shellfish importation permit and shellfish transport permit will be obtained from the Washington Department of Fish and Wildlife prior to full culturing and sale of the organisms. It is believed that these steps will ensure that the proposal will not conflict with laws or regulations for protection of the environment. In fact, since the organisms are used in testing required by US EPA, US Army Corps and Washington Department of Ecology to protect the environment, the proposal in certain ways enhances the protection of the environment.

Attachment 1: Parcel Map

Kitsap County Parcel Search



REPEL ESTER MARY ANN & HESTER BRI
282401-016-2005
Copyright © 2010 Kitsap County

DISCLAIMER: This map is intended for display purposes only and is not intended for any legal representations.

Legend
 Parcels
 Road Names

[\[Click here to Print\]](#)

Attachment 2: Draft Protocol for Containment of Organisms and Wastewater

1.0 SCOPE

This SOP describes the methods used to minimize the potential for accidental release of *Neanthes arenaceodentata* and/or wastewater to the environment.

2.0 EQUIPMENT

Storm drain plug
Secondary containment trays
Sorbent socks
Waterproof, bacteria resistant shoes
Disposable shoe covers
Disposable gloves
Bleach
Chlorine measurement kit

3.0 PROCEDURE

3.1 Sealing of storm drain

The culture room contains a cement floor that is cantered toward a floor drain connected to the stormwater system. This floor drain shall be fitted at all times with a waterproof drain plug to prevent water discharge. Any water reaching the location of the drain will be collected and treated as described below (Section 3.5).

3.2 Secondary containment for breeding, rearing and mass culture chambers

All culture chambers containing organisms shall be placed inside plastic secondary containment trays. The volume of water in the enclosed chambers shall not exceed the capacity of the secondary containment tray. Shelving units shall be attached to the adjoining wall and secondary containment trays shall be secured to prevent them from sliding off the shelf to the ground.

3.3 Containment of spills on floor

Sorbant socks shall be placed along the edge of the wall down slope from the shelving units. This will prevent any wastewater that is accidentally spilled on the floor from leaving the culture room. Any wastewater spills, unless they are small enough to air dry in a couple of hours, will be mopped up, collected in appropriate size buckets or tubs, and treated with bleach (Section 3.5) prior to disposal into the sewer system.

3.4 Personal Protective Equipment

Water-resistant, bacteria-resistant footwear shall be provided for use in the culture room. Shoes worn outside of the culture room must be exchanged with the provided shoes upon entering the room. The provided shoes will only be worn in the culture room. This will prevent any accidental transfer of worms or microbes that may have been present on the floor to the exterior of the controlled space. Disposable gloves shall be worn when working with the organisms. Disposable shoe covers will be made available to accommodate guests or temporary staff without dedicated clean shoes. Disposable shoe covers are applied and removed within the room during egress, and disposed of after use.

3.5 Wastewater treatment

All wastewater shall be treated with bleach prior to disposal into the sewer. The application rate will be 8 mL of 5% chlorine bleach to every 20 L of water to be treated. The total chlorine level will be measured with a colorimetric kit, and should be approximately 20 mg/L (18 to 22 mg/L). The treated water will be adjusted if necessary. The water will be allowed to stand for 30 minutes before disposing into the sewer.

4.0 HEALTH AND SAFETY CONSIDERATIONS

Only 2 gallons (8 L) or less of bleach should be kept on hand. The bleach bottles shall be kept in secondary containment. Only use the bleach in a well ventilated area.

5.0 PERSONNEL

Only personnel familiar with this SOP and properly trained may enter the work area unsupervised. Outer doors will be locked unless properly trained personnel are present to prevent the general public from entering the work area.

6.0 QUALITY ASSURANCE REQUIREMENTS

Proper record keeping is required. A logbook shall be kept of any wastewater discharges to document the amount of chlorine used in treatment and the length of the treatment. Any accidental spills of organisms or wastewater should be documented, along with the volume, method of cleanup and any breach of containment.

Attachment 3: Location Map



Address **1849 Charleston Beach Rd W**
Bremerton, WA 98312

Get Google Maps on your phone



Text the word "GMAPS" to 466453

