

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

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.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [HELP]

1. Name of proposed project, if applicable: **Non-project; ordinance to extend a moratorium on new non-native net pen fish farming facilities.**
2. Name of applicant: **King County, WA**
3. Address and phone number of applicant and contact person: **TBD**

4. Date checklist prepared:
5. Agency requesting checklist: **King County Department of Natural Resources and Parks**
6. Proposed timing or schedule (including phasing, if applicable):
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. **A work plan (attached) has been developed to address the issues related to the existing moratorium.**
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 are pending.**
10. List any government approvals or permits that will be needed for your proposal, if known. **Ordinance must be passed by the King County Council.**
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.) **The ordinance would extend an existing six-month moratorium declared on November 27, 2017 on the establishment of new net pen fish farming facilities for non-native species along King County's marine shorelines. The extension would be for an additional six month period.**
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. **Applies to King County's marine shorelines along Vashon and Maury islands.**

B. Environmental Elements [\[HELP\]](#)

1. Earth [\[help\]](#)

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

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

- 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 agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

2. Air [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

3. Water [\[help\]](#)

- a. Surface Water: [\[help\]](#)
 - 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.
 - 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.
 - 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.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
- 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.

b. Ground Water: [\[help\]](#)

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.
- 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.

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.
- 2) Could waste materials enter ground or surface waters? If so, generally describe.
- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

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

4. Plants [help]

a. Check the types of vegetation found on the site:

- ___ deciduous tree: alder, maple, aspen, other
- ___ evergreen tree: fir, cedar, pine, other
- ___ shrubs
- ___ grass
- ___ pasture
- ___ crop or grain
- ___ Orchards, vineyards or other permanent crops.
- ___ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ___ water plants: water lily, eelgrass, milfoil, other
- ___ other types of vegetation

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

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

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

e. List all noxious weeds and invasive species known to be on or near the site.

5. Animals [help]

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

- birds: hawk, heron, eagle, songbirds, other:
- mammals: deer, bear, elk, beaver, other:
- fish: bass, salmon, trout, herring, shellfish, other _____

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

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

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

e. List any invasive animal species known to be on or near the site.

6. Energy and Natural Resources [\[help\]](#)

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.

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

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:

7. Environmental Health [\[help\]](#)

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.

1) Describe any known or possible contamination at the site from present or past uses.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

4) Describe special emergency services that might be required.

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

b. Noise

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

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.

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

8. **Land and Shoreline Use** [\[help\]](#)

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. **Current uses will not be impacted.**
- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?
- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:
- c. Describe any structures on the site.
- d. Will any structures be demolished? If so, what?
- e. What is the current zoning classification of the site?
- f. What is the current comprehensive plan designation of the site?
- g. If applicable, what is the current shoreline master program designation of the site?
The marine shorelines around Vashon and Maury Island include Natural, Conservancy, Resource, Rural and High Intensity shoreline environments.
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.
- i. Approximately how many people would reside or work in the completed project?

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

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

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

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

9. Housing [\[help\]](#)

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

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

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

10. Aesthetics [\[help\]](#)

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

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

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

11. Light and Glare [\[help\]](#)

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

- b. Could light or glare from the finished project be a safety hazard or interfere with views?
- c. What existing off-site sources of light or glare may affect your proposal?
- d. Proposed measures to reduce or control light and glare impacts, if any:

12. Recreation [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity?
- b. Would the proposed project displace any existing recreational uses? If so, describe.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

13. Historic and cultural preservation [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.
- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.
- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.
- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

14. Transportation [\[help\]](#)

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

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?
- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?
- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.
- h. Proposed measures to reduce or control transportation impacts, if any:

15. Public Services [\[help\]](#)

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.
- b. Proposed measures to reduce or control direct impacts on public services, if any.

16. Utilities [\[help\]](#)

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

- i. 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.

C. Signature [HELP]

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: 

Name of signee JOSH BALDI

Position and Agency/Organization DIRECTOR, WATER & LAND RESOURCES DIVISION

Date Submitted: 4.10.18

D. Supplemental sheet for nonproject actions [HELP]

(IT IS NOT NECESSARY to 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?
The proposal will not do any of these. The moratorium extension will prevent the establishment of non-native net pen fish farms, thus preventing the possible release of non-native species that could harm native species.

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?
The proposal will protect native salmon species.

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

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

N/A

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

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 or areas designated or eligible for government protection. It will preclude – during the period of the moratorium – new non-native fish farm facilities along King Coutny’s marine shorelines.

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

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?

The proposal will not affect existing shoreline uses. It will preclude – during the period of the moratorium – new non-native fish farm facilities along King Coutny’s marine shorelines.

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

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

The proposal will not increase demands on transportation or public services and utilities. It will preclude – during the period of the moratorium – new non-native fish farm facilities along King Coutny’s marine shorelines.

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

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

The proposal is consistent with applicable legal requirements.



King County

Work Plan for Ordinance 18617 (Moratorium on Commercial
Nonnative Salmon Net Pen Aquaculture Facilities)

Prepared by

Department of Natural Resources and Parks

And

Department of Permitting and Environmental Review

King County, Washington

January 23, 2018

Work Plan for Ordinance 18617 (Moratorium on Commercial Nonnative Salmon Net Pen Aquaculture Facilities)

Council Ordinance 18617 established a six-month moratorium on establishment of commercial salmon net pen aquaculture facilities that contain salmon species not indigenous to Puget Sound in King County shorelines jurisdiction. That ordinance also called for a work plan to address the issues and circumstances for the moratorium, as required by Chapter 95.58.590 RCW, within sixty days of the November 28, 2017 effective date of the ordinance. This document is the required work plan.

King County will address the moratorium work plan in conjunction with the upcoming Periodic Review of its Shoreline Management Program (SMP). As outlined in Chapter 90.58.080 RCW, this periodic review is required every eight years and King County's review is due to the Washington Department of Ecology (Ecology) on or before June 30, 2019. Ecology's requirements for this review are to ensure the County's SMP complies with applicable law and guidelines currently in effect, and to ensure consistency of the SMP with King County's Comprehensive Plan as well as other local regulations and requirements. In addition, King County may choose to make any other appropriate changes to the SMP, as long as they are approved by Ecology in accordance with state law. The planned SMP review process thus provides a logical framework for a work plan to address the issues and risks that are the basis for the commercial nonnative salmon net pen aquaculture facilities moratorium.

King County's periodic review of its SMP will occur between January 2018 and June 2019. The SMP review will be led by the Department of Permitting and Environmental Review (DPER), with assistance from the Department of Natural Resources and Parks (DNRP).

Chapter 95.58.080 RCW allows for the extension of the moratorium established by Council Ordinance 18617 for up to two additional six-month periods. The requirements for the extensions are similar to the initial moratorium, and King County intends to request these extensions. If approved by the Council, these extensions would allow for alignment of the technical, policy and public review process for reviewing policies and standards related to nonnative salmon net pen aquaculture with the broader periodic review of King County's SMP required by June 30, 2019 without a lapse in the moratorium. The proposed SMP update is due approximately eighteen months after the moratorium was established.

Beginning in January 2018, DNRP and DPER will gather information regarding issues and concerns relating to commercial nonnative salmon net pen aquaculture facilities. The study will evaluate policy and regulatory changes that are needed to eliminate the risk of nonnative salmon net pen aquaculture to King County shoreline resources, native salmon and treaty rights. This study at a minimum will include, but is not limited to, a review of:

- The ecological effects of commercial nonnative salmon net pen aquaculture facilities construction and operations, including the impacts of such facilities themselves on shorelines and ecological functions, such as water quality impacts from waste from these facilities.
- The potential ecological effects and other risks of escaped non-native fish to native species, such as the spread of disease.
- The economic impacts on other water dependent uses such as freighter navigation, fishing, tourism and other water activities.

Work Plan for Ordinance 18617 (Moratorium on Commercial Nonnative Salmon Net Pen Aquaculture Facilities)

- A survey of shorelines under King County's jurisdiction for physical and environmental constraints to commercial nonnative salmon net pen aquaculture.
- Any additional information gathered by Tribes, state agencies, other local governments, research institutions and other parties.
- Consultation with Tribes regarding the impacts of commercial nonnative salmon net pen aquaculture facilities on treaty rights.
- Public input, including that obtained through the public hearing scheduled January 8, 2018 and any subsequent hearings.

The study will also reflect any update guidance from the Ecology regarding criteria by which to evaluate commercial nonnative salmon net pens, which may be different from past guidance in light of new information and the August 2017 net pen failure in North Puget Sound. This study will also be informed by any new laws or policies related to net pen aquaculture that may be adopted during the 2018 legislative session.

The study is expected to conclude in October 2018. Information from the study will inform recommendations for any amendments to policies and codes necessary to protect sensitive shoreline resources, native salmon runs and treaty rights from risks from commercial nonnative salmon net pen facilities.

Between October 2018 and January 2019 any recommended amendments to King County's SMP policies or implementing code will be drafted, using the study findings and any other pertinent information. DPER will lead this effort, and will integrate any other recommended amendments to King County's SMP associated with the periodic review that may be appropriate. During this period, the work plan calls for outreach to external parties, and the incorporation of external party input into any recommended SMP policy or code amendments made as part of the Periodic Update.

The Executive will transmit draft SMP amendments, including any recommended changes affecting commercial nonnative salmon net pens, to the King County Council by approximately February 2019. Executive staff will work with the Council staff to coordinate the public review process with Ecology prior to and during the Council review process. Following Council action, the SMP amendments will be submitted to Ecology on or before the due date of June 30, 2019. Executive staff will coordinate with Council staff on process and schedule for final Ecology review.

Per Chapter 90.58.080 RCW, Ecology will review King County's proposed amendments for consistency with state law prior to adoption. Chapter 90.58.590 RCW allows for the continuation of the moratorium until Ecology acts, unless it takes longer than six months to approve the submittal.

