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: [help]

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: [help]

Clarks Creek Hatchery Rehabilitation

2. Name of applicant: [help]

Washington Department of Fish and Wildlife

3. Address and phone number of applicant and contact person: [help]

WDFW
600 Capital Way North
Olympia, WA 98501

Contact: Marty Peoples

4. Date checklist prepared: [help]

February 28, 2017

5. Agency requesting checklist: [help]

Washington Department of Fish and Wildlife

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

Begin construction in summer of 2017 and work through 2018.

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

No plans are in place for additional projects.

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

A critical areas report has been prepared and is attached. A biological evaluation may also be prepared for the project.

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. [help]

No other applications are pending.

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

Permits and approvals will include a City of Puyallup County Shoreline Permit, a WDFW Hydraulics Permit (HPA) and a U.S. Army Corps of Engineers Permit. Other permits may be required and will be obtained as required.

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.) [help]

The Clarks Creek Hatchery Rehabilitation Project was proposed in an effort to redevelop the hatchery (which currently produces mostly trout) into a salmon hatchery and address degrading facility conditions. Facilities, like the existing main hatchery building, will be refurbished to comply with historical preservation requirements. In addition, the hatchery will replace existing ponds and pollution abatement facilities. The specific elements of the project include the following:

1. Demolish existing 16 round ponds, 4 raceways, and pollution abatement pond.
2. Decommision all existing piping
3. Regrade site
4. Install new site piping (supply and drain lines)
5. Install creek supply and reuse systems (gravity preferred for both)
6. Construct 4 new raceways
7. Construct 4 new round ponds
8. Install a new 2 bay adult holding pond
9. Construct a pollution abatement pond
10. Construct stormwater facilities (collection, conveyance, and treatment)
11. Construct storage facilities (fish food, shop, vehicles, misc.)
12. Renovate existing incubation facilities
13. Construct aeration/degassing tower
14. Renovate guest interpretive center
15. Renovate office space
16. Renovate conference room
17. Residence/Garages

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. [help]

The project address is 1416 14th Street SW, Puyallup, WA 98371 and is located within Pierce County. It is within Section 32, Township 20N, Range 4E, in the NE ¼ section. The geographic coordinates are 47.1782 N lat / -122.3134 W long.

Driving Directions: From eastbound on Highway 512, take the 9th St. SW exit. Turn left onto 94th Ave (94th Ave becomes 9th St SW) and proceed north to 15th Ave. Turn right onto

15th Ave and proceed to the intersection of 14th ST. The Clarks Creek Hatchery is located at the intersection.

B. ENVIRONMENTAL ELEMENTS [help]

1. Earth [help]

a. General description of the site: [help]

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

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

The steepest slope is 10%.

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. [help]

The soil is classified as 66% dredge spoils and 33% Shalcar muck.

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

There are no indications of unstable soils.

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. [help]

There will be no fill added below OHW. Disturbed area below OHW will be 224 square feet.

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

No erosion is anticipated. Erosion control measures will be in place to prevent sediment delivery to streams.

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

There will be a 5% increase in impervious surfaces due to paving.

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

No erosion is anticipated. BMP's will be in place to prevent sediment from reaching surface waters during possible rainfall events. In water work will be performed in a manner as to keep

turbidity to minimal levels.

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. [help]

Vehicle exhaust and dust from construction is expected. No long-term change in emissions is expected from the completed project.

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

No.

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

Equipment will be inspected daily and kept in good working conditions in an effort to reduce emissions.

3. **Water** [help]

a. Surface Water:

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. [help]

Clarks Creek is adjacent to the project site.

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. [help]

Project work will occur within 200 feet of surface waters and is described in attached 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. [help]

11.9 cubic yards of sand and will be removed above surface waters of Stream B as shown in drawings.

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

No change to surface water diversions will be required.

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

The project area does not lie within the 100 year floodplain.

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. [help]

No waste materials will be discharged.

b. Ground Water:

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. [help]

No groundwater will be withdrawn as part of this project.

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. [help]

No waste materials will be discharged.

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. [help]

Permanent storm water treatment facilities will be incorporated in the design of this project which includes a storm water pond and infiltration gallery. Temporary storm water impacts during construction may occur from rainfall events and will be contained within settling and infiltration areas before discharge to surface waters.

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

Surface and ground waters will be protected through use of BMP's. Waste materials will not be used and will not enter surface waters.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [help]

Drainage patterns will not be altered.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage

pattern impacts, if any: [help]

Erosion control measures will be in place to reduce and treat runoff water.

4. **Plants** [help]

a. Check the types of vegetation found on the site: [help]

__X__deciduous tree: alder, maple, aspen, other
__X__evergreen tree: fir, cedar, pine, other
__X__shrubs
__X__grass
____pasture
____crop or grain
____ Orchards, vineyards or other permanent crops.
__X__ 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? [help]

No native vegetation will be removed or affected by this work. Some areas containing lawngrass will be disturbed.

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

No known listed or rare plant species occur near this site.

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

Native plantings will occur around the perimeter of the hatchery grounds as landscaping and to provide visual barriers.

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

Small knotweed infestations occur within some of the wetland buffers. These infestations are not scheduled for treatment as part of this project.

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. [help]

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. [help]

Puget Sound Chinook, Puget Sound Steelhead and Bull Trout occur at or near this site.

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

Waterfowl and salmon species use this area as part of a migration route.

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

To preserve fish resources, WDFW will schedule this project during periods of minimal use by fish species to avoid any harmful impacts upon fish.

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

No known invasive animal species inhabit this 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. [help]

Gas heat will be used for the hatchery buildings and offices.

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

This project will not affect solar energy use.

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: [help]

Energy conservation features include meeting current building standards and using materials that are designed to be energy efficient.

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. [help]

Materials likely to be present include gasoline, diesel fuel, hydraulic fluid and lubricants. An accidental spill of one these products could occur during project operations.

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

There are no known contaminants from present or past uses at the site.

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. [help]

Parasite S will be used onsite for fish treatment. Parasite S is stored securely away in restricted spaces and its usage adheres to strict state and local guidelines and safety requirements.

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. [help]

See previous answer.

4) Describe special emergency services that might be required. [help]

None anticipated.

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

A spill prevention and pollution control plan will be prepared by WDFW project engineers to reduce risk of spills and to provide guidance if a spill occurs. Environmental health hazards are not expected as a result of this project. Only approved construction equipment and materials will be used in construction of this project.

b. Noise [help]

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

None.

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. [help]

Short term noise levels will increase during construction. Long term noise levels will remain unchanged. Hatchery operations create minimal noise activity with occasional truck traffic.

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

Increased levels of noise during construction activities are expected from this project. Hours of increased noise levels will be 7am to 5pm. No change in noise level is expected from the completed project.

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. [help]

This site is used as a state fish hatchery and is a critical facility to the WDFW Fish Program goals. Adjacent properties include private home sites and undeveloped stream and wetland areas.

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? [help]

This has not been used as farm or forest land.

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: [help]

No effect anticipated.

c. Describe any structures on the site. [help]

This sites several residences, a hatchery building, several garage and storage buildings, numerous rearing ponds and a pollution abatement pond.

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

Rearing ponds will be demolished and replaced as well as piping through-out the hatchery.

e. What is the current zoning classification of the site? [help]

Public Facilities (PF)

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

Public Facilities

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

Clarks Creek Urban Conservancy

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [help]

There are no listed critical areas in the immediate vicinity of the project site in the WDFW Priority Habitat and Species database. A great blue heron colony is listed in the WDFW Wildlife Occurrence database occurring 300 feet from the project site.

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

Four WDFW hatchery staff will work at the completed project. Housing is available for two families

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

None.

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

No impacts are anticipated.

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

The City of Puyallup will be consulted to ensure consistency with current land uses.

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

No impacts are anticipated.

9. **Housing** [help]

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

Public housing will not be affected or provided.

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

No housing units will be eliminated.

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

None planned.

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? [help]

The tallest new structure will be the 19 foot tall concrete aeration/distribution tower. Building exterior materials will vary. Hatchery building: brick/stucco, Garage: metal, Feed storage building: metal, Residence and garage: wood siding.

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

No views will be affected.

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

None planned.

11. **Light and Glare** [help]

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

There will be no increase in glare.

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

No views will be impacted by the completed project.

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

There are no known off-site sources of light or glare that may affect the project.

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

None needed or planned.

12. **Recreation** [help]

a. What designated and informal recreational opportunities are in the immediate vicinity? [help]

Recreational opportunities include wildlife viewing, observation of fish hatchery operational practices and education.

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

Only temporarily during construction to maintain public safety.

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

Public notice will be made noting hatchery grounds will be closed during construction.

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. [help]

Yes the hatchery was constructed in 1949 and is currently listed on the National Park Service Register of Historic Properties. The department is working closely and coordinating the improvements with the Washington Department of Archaeological and Historic Preservation. Archaeological investigations have not resulted in the identification of any evidence of significant precontact or historic archaeological sites

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. [help]

There is no evidence of Indian historic use or occupation at the site. The property has been significantly developed and this proposed project is a rebuild that stays mostly in areas of previous construction. We are working with WDFW Cultural Resources Staff, DHAP, and the local tribes to satisfy all Cultural Resources questions and going through established protocols. Previously undisturbed areas scheduled for professional archaeological investigation prior to construction.

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. [help]

Historic Property: WDFW is working with DAHP and local historical groups to a prepare rebuild plan that satisfies all parties concerns. It is the goal of this project to keep its Historical Designation and mitigate for any adverse effect.

Cultural Resources: A map has been developed showing locations existing built environment vs. proposed construction including depths. In most areas the ground was already heavily disturbed by previous activities. Other areas will have test holes dug or will have observation by CR and tribal staff. WDFW will provide oversight with the Puyallup Tribe during construction.

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. [help]

WDFW has and will continue to work closely to coordinate this project with DAHP, local tribes, the community, the City of Puyallup, and WDFW CR staff. WDFW will continue to work with DAHP to protect those resources that are listed on the National Register. WDFW will continue to work with the tribes as the project moves forward, especially if any resources are discovered.

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. [help]

14th Street provides public access to this site. The existing access onto the will be improved to meet City of Puyallup regulations. The current gravel parking area will be paved. The location of the access will remain the same.

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? [help]

The nearest bus stop is about one mile away at 9th and 19th. Public transit is also available at the Puyallup Fairgrounds.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [help]

The improved parking area will have approximately 14 parking spaces available. No parking spaces will be eliminated.

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). [help]

No, the project will not impact existing roads. Improvements will be made as required by the City of Puyallup.

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

No.

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? [help]

No additional vehicle trips are anticipated to result from this project. This project will not change the use of this facility.

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. [help]

No.

h. Proposed measures to reduce or control transportation impacts, if any: [help]

None planned.

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. [help]

No.

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

No impacts are anticipated.

16. **Utilities** [help]

a. Circle utilities currently available at the site: [help]
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. [help]

No change in utilities is proposed.

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: Marty Peoples

Name of signee Marty Peoples

Position and Agency/Organization Biologist WDFW

Date Submitted: 3/21/17