

WAC 197-11-960 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 non-project proposals:

Complete this checklist for non-project proposals, even though questions may be answered "does not apply". In addition, complete the supplemental sheet for non-project actions (part D).

For non-project 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:***
Voights Creek Fish Hatchery Renovation

- 2. *Name of applicant:***
Washington Department of Fish & Wildlife (WDFW)

- 3. *Address and phone number of applicant and contact person:***
Ray Berg, PE
Washington Department of Fish & Wildlife (WDFW)
Engineering Division
600 Capitol Way North
Olympia, Washington 98501-1091

(360) 902-8395
Ray.Berg@dfw.wa.gov

4. **Date checklist prepared:** February 26, 2009

5. **Agency requesting checklist:** WDFW

Teresa Eturaspe
WDFW SEPA/NEPA Coordinator
WDFW Regulatory Services Section

(360) 902-2575
Teresa.Eturaspe@dfw.wa.gov

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

Phase 1 construction - 2009-2011 biennium.
Phase 2 construction - 2011-2013 biennium.
All in-water work will be conducted during agency-approved fish windows.

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

Phase 3 is proposed to follow Phases 1 and 2. Phase 3 has currently not been funded and may include upgrades to the water intake and fish weir.

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

GeoEngineers, Inc. In preparation. Biological Evaluation, Voights Creek Fish Hatchery, Orting, Washington. In preparation for MWH Americas, Inc.
GeoEngineers, Inc. 2009a. Critical Areas Report: Wetland and Fish and Wildlife Habitat, Voights Creek Fish Hatchery, Orting, Washington. Prepared for MWH Americas, Inc. on February 25, 2009.
GeoEngineers, Inc. 2009b. Summary Letter, Hydraulic Analysis, Proposed Additions/Modifications at WDFW Voights Creek Fish Hatchery, Pierce County, Washington. Prepared for MWH Americas, Inc. on February 24, 2009.
GeoEngineers, Inc. 2009c. Addendum to Summary Letter, Alternative Hydraulic Analysis, WDFW Voights Creek Fish Hatchery, Pierce County, Washington. Prepared for MWH Americas, Inc. on February 24, 2009.
GeoEngineers, Inc. 2008. Geotechnical Evaluation, Voights Creek Fish Hatchery Rehabilitation Project, Phase 1, Orting, Washington. Prepared for MWH Americas, Inc. on November 17, 2008.
MWH Americas, Inc. 2009. Tree Inventory and Conservation Plan.
MWH Americas, Inc. In preparation. Landscaping Plan.
MWH Americas, Inc. In preparation. Engineered Abbreviated Plan and Drainage Report.
State of Washington, Department of Archaeology and Historic Preservation. Concurrence of Finding of No Historic Properties Affected. Prepared by Robert G. Whitlam, Ph.D. (State Archaeologist) on May 28, 2008.

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.**

Permit/Review	Agency	Affected Project Elements
Shoreline Substantial Development and Conditional Use Permit	Pierce County	Hatchery upgrades; fish ladder and bank restoration (Shoreline Management Use Regulations, Chapter 20.24 and Chapter 20.72)
Site Development Permit	Pierce County	Clearing and grading associated with hatchery upgrades.

Permit/Review	Agency	Affected Project Elements
Building Permit	Pierce County	Construction of a new spawning shed.
Hydraulic Project Approval	Washington Department of Fish and Wildlife	Voights Creek fish ladder and bank restoration work below the ordinary high water mark (OHWM).
Critical Areas Review	Pierce County, Planning and Land Use Services	Wetlands, fish and wildlife habitat conservation areas, floodways and floodplains, riparian habitat, erosion hazard areas, geologically hazardous areas, landslide hazard areas, mine hazard areas and seismic hazard areas.
Variance	Pierce County, Surface Water Management	Flood Hazard Area Standards (Title 18E.70.040).
National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit	Washington Department of Ecology	Ground disturbing activities exceeding 1 acre in total, which includes construction of most project elements.
Section 401/404 Permit/ Nationwide Permit 3, 18, or 27	United States Army Corps of Engineers	Discharge of dredged or fill materials within "waters of the United States" including Voights Creek.

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 Voights Creek Fish Hatchery is located near Orting, Washington on Voights Creek, a tributary of the Carbon River, which is in turn a tributary of the Puyallup River. It was initially constructed in 1917 and began hatchery production and release of salmon at that time. Currently, the hatchery raises fall Chinook salmon, Coho salmon, and winter steelhead trout. Fish are raised in several existing raceways and ponds located at the facility, including nine standard concrete raceways, two 1/3-acre rearing ponds, and a large earthen pond used for dual purpose as a juvenile rearing and adult return trapping pond. Salmon and trout released from the facility provide significant sport, commercial, and tribal fishing opportunities in Puget Sound and the Puyallup River system.

The hatchery is outdated in many ways and needs to be renovated in order to become compliant with regulatory requirements set forth in the Clean Water Act. In particular, the pollution abatement pond, which is used to remove nutrient-rich sediment byproducts of fish rearing activities from discharge water, must be replaced to meet National Pollution Discharge Elimination System and Clean Water Act requirements. New adult holding ponds and a new trapping system are desirable to provide a more effective multi-species fish program.

The property is currently occupied by the existing hatchery facility, which includes two single-family residences, an adult return fish ladder, adult holding pond, pollution abatement pond, two separate raceway structures, a rearing pond, a hatchery building, and associated outbuildings. Prior to 2006, a weir across Voights Creek was in place and used to restrict upstream migration of returning adult fish. The Voights Creek stream banks are generally armored with riprap and sheet piles along much of the length of the creek adjacent to the hatchery. An old bridge abutment is also in place next to the stream.

The project does not change the current use of the property. Rather, the project consists of upgrades to existing facility structures and some new structures to bring the facility into compliance with current stormwater and water quality regulations. The proposed upgrades will be focused within the area of the existing hatchery facilities (see attached JARPA drawings, Sheets 2 and 3). Proposed upgrades include the following:

Phase 1: Replace the existing earthen adult holding pond with three new parallel concrete ponds in roughly the same location; construct a new fish ladder connecting Voights Creek to the new adult holding ponds; restore the stream bank adjacent to the fish ladder; construct a dedicated spawning shed adjacent to the new adult holding ponds; construct a new pump station to serve the new adult holding ponds; construct a new pollution abatement pond; remove the existing 1917 residence; and install two stormwater bio-infiltration cells on the site.

Phase 2: Replace the two rearing ponds with two new 42-ft by 140-ft rearing ponds in approximately the same location and install comprehensive landscaping throughout the site using native species.

Proposed stream bank restoration and comprehensive landscaping with native species will result in direct mitigation of impacts resulting from other project elements.

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 Voights Creek Fish Hatchery is located in southern Pierce County along State Route (SR) 162 near the town of Orting, Washington (see attached JARPA drawings, Sheet 1). The hatchery is located to the north of SR-162 in the SE ¼ of the SW ¼ of Section 33, Township 19N, Range 05E and the SW ¼ of the SE ¼ of Section 33, Township 19N, Range 05E of the Willamette Meridian. The hatchery is located on Parcel 0519333006, which is approximately 6.2 acres in size.

B. ENVIRONMENTAL ELEMENTS

1. EARTH

a. General description of the site:

Flat and located mostly within the 100-year floodplain.

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

Armored banks adjacent to Voights Creek may be as much as 50 percent slope; most of the site is flat.

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.

Puyallup fine sandy loam and unidentified aquic xerofluvents (recently deposited material in the floodplain such as sand and gravel bars). Additional details are provided in the Geotechnical Evaluation prepared for the site (GeoEngineers 2008).

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

None.

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

Fill will be used during site grading in the following locations on the site: in the existing pollution abatement pond, which will be converted to a stormwater detention pond, and in the existing adult holding pond, which will be replaced with new concrete ponds, a fish ladder, stormwater bio-infiltration cells, and some landscaping. As part of the construction of the new fish ladder and proposed bank restoration adjacent to it, some fill (rock) will be placed below the OHWM of Voights Creek.

Excavation and/or grading will also be required at the sites of the new pollution abatement pond, new rearing ponds, and new stormwater detention areas. Fill will be sourced from on-site as much as possible, but may also be purchased and imported to the site in the form of rock material.

Total excavation/cut is estimated at approximately 1,785 cubic yards. Total fill is estimated at approximately 630 cubic yards.

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

No specific erosion hazards were identified within project area. For additional details see the Geotechnical Evaluation (GeoEngineers 2008). Proper implementation of construction BMPs will minimize the potential for erosion as described below in B.1.h.

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

The existing hatchery configuration contributes to a total of 108,500 square feet of impervious surfaces on the site (entire parcel). Upon project completion, the amount of impervious surfaces at the site will be reduced to 103,164 square feet.

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

Erosion control methods and procedures are detailed in the Temporary Erosion and Sedimentation Control (TESC) plan as required by Pierce County's Site Development Permit process. They will be employed during construction. TESC measures identified for use during construction include but are not limited to erosion control barriers (i.e., silt fence, straw/hay bales), controlled construction entrances and temporary ground cover. The stream bank adjacent to the new fish ladder will be specifically constructed using rocks, soil, and erosion control fabric and then planted with riparian vegetation that will contribute to long-term stabilization of the stream bank and, therefore, mitigate other project impacts. Additional erosion control measures will be provided under the NPDES Construction Stormwater General Permit.

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.

During construction, operation of construction equipment and vehicles at the site will result in typical emissions for this type of activity. There are no unusual construction methods proposed that would have additional adverse effects on air quality. Once the project is complete, air quality will return to current levels which are minimal. No industrial activities are planned for the site.

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

None.

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

All construction equipment will meet current standards for emission controls.

3. WATER

a. *Surface:*

- ***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.***

Voights Creek borders the hatchery on its east, south, and west sides. Voights Creek is a perennial fish-bearing stream and is listed as a 'shoreline of the state.' Voights Creek flows into the Carbon River approximately ¼ mile north of the site.

As described in GeoEngineers (2009a), there is one riverine wetland on the site, which borders Voights Creek. This wetland is seasonally-saturated and rated Category III according to the Washington State Wetland Rating System for Western Washington.

There is an earthen excavated pond on the site currently used as a returning adult salmon holding pond during hatchery operation. There is a second earthen excavated pond currently used for pollution abatement. Additional asphalt-lined ponds and rearing facilities are also present at the hatchery facility.

- ***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.***

Yes. Please refer to the attached JARPA figures for the spatial arrangement of features proposed at the site. Sheets 2 and 3 of these figures show the overall hatchery layout as it currently exists and as proposed. Sheets 4 and 5 show detailed views of in-water work associated with the new fish ladder and stream bank restoration. Sheets 6 and 7 show cross sections through the in-water work areas.

The new fish ladder connecting existing structures in Voights Creek to the new adult holding ponds will be constructed as part of the project. This will involve removal of existing sheet piling and riprap which currently defines the ordinary high water mark (OHWM) in this area. The stream bank will be rebuilt using natural materials, including rocks and fill dirt, and then planted with native species. A small amount of fill (rock) below the OHWM will be required to anchor the stream bank restoration. The necessity of this small amount of fill will be mitigated by the bio-engineered stream bank restoration, which will include rebuilding the bank using natural materials including wood, rocks and native vegetation. The project will have net benefits to riparian and stream habitat function.

Other activities will occur within 200 feet of Voights Creek, including: replacing the existing adult holding pond, constructing a spawning shed, constructing a new pump station, building a new pollution abatement pond, removing an existing single-family residence, replacing the existing rearing ponds, and resurfacing existing paved surfaces.

- ***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.***

Approximately 42.9 cubic yards of native material will be excavated from below the OHWM in Voights Creek in order to make room for the anchoring of bank protection stone that will comprise the new stream bank below the OHWM. Approximately 53 cubic yards of bank protection stone will be placed below the OHWM resulting in the net fill of 10.1 cubic yards of Voights Creek. Additional excavation and fill will occur immediately landward of the OHWM during this process.

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

Existing surface water withdrawals and diversions are part of current hatchery operation. The Voights Creek Fish Hatchery has a water right for withdrawal of up to 25 cubic feet per second from Voights Creek. This withdrawal is

currently derived from a gravity intake as well as a pumped water intake. No additional withdrawals or diversions are proposed over current conditions.

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

Yes. The existing facility and the area where upgrades are proposed lie within the 100-year floodplain. Two documents regarding hydraulic flood analysis have been prepared for the project (GeoEngineers 2009b,c) and are included as attachments to this document.

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

The project upgrades are designed to comply with Clean Water Act and Pierce County Code 17A “Construction/Site Development and Drainage” regulations. Currently hatchery process water is treated via passive detention in the existing pollution abatement pond prior to discharging to Voights Creek. The existing pollution abatement pond is an excavated depression that was not specifically designed or engineered to meet contemporary standards for water quality treatment. An upgraded pollution abatement system is proposed which is specifically engineered to alleviate water quality degradation resulting from discharge of hatchery process water. The pollution abatement pond that will be constructed provides detention of water discharging from all of the rearing facilities. Fish wastes in these waters will be allowed to settle out in this pond before discharging into Voights Creek. Sludge collected in the pollution abatement pond will be dried and disposed of on-site in an area currently used for this purpose, which is shown on Sheet 2 of the attached JARPA drawings. This material includes organic waste byproducts associated with fish rearing.

The proposed upgrades will not change the fish production capacity or amount of process water generated by the hatchery. Currently, several chemicals are added to process water to control parasites and disease in hatchery fish populations. These include Formalin, Potassium Permanganate and Hydrogen Peroxide. The use of these chemicals has been approved through the existing NPDES permit approved and issued by the Department of Ecology. The use and quantity of these chemicals will not change following hatchery upgrades. These chemicals degrade into inert components within hours to a few days, have been approved by the FDA for use in aquaculture, and do not present an environmental or human health risk.

b. Ground:

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

Limited infiltration will occur in the proposed stormwater cells.

- ***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.***

There are two existing septic drainfields on the site. One drainfield serves the single-family residence that is going to be retained. The other drainfield serves the 1917 residence (which will be removed) as well as the hatchery office and other buildings. Both of these septic drainfields will continue to be used upon project completion, although the removal of one residence will result in a reduction in the amount of waste discharged to them. No additional septic systems or upgrades to existing systems are proposed.

c. Water runoff (including stormwater):

- ***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.***

Under existing conditions, stormwater runoff from 50,654 square feet of paved surfaces is not treated and instead is discharged via tightline and sheet flow directly to Voights Creek. The proposed improvements include collecting stormwater from paved surfaces and directing them into two new stormwater bio-filtration cells.

Upgrades to the stormwater system from impervious surfaces on the site will result in a net decrease of pollutants entering surface waters. The proposed site plan will include detention of stormwater runoff from paved surfaces in stormwater cells located on the site, as shown on Sheet 3 of the attached JARPA drawings. Runoff from roof drains will not be treated. In total, stormwater runoff from 55,553 square feet of paved surfaces (of the total 103,164 square feet of impervious surfaces including roof drainage and not including 5,512 square feet of pervious paving) will be treated prior to discharge once the project is complete.

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

Hatchery structures are designed to specifically prevent mixing of process water with stormwater runoff.

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

As shown on Sheet 3 of the attached JARPA drawings, upgrades to the pollution abatement pond and a new stormwater detention/infiltration system will contribute to significant improvements over existing water quality in Voights Creek. The proposed upgrades are specifically designed to detain and treat wastewater and stormwater flows at the hatchery.

4. PLANTS

- a. ***Types of vegetation found on the site:***

Deciduous trees: Red alder and black cottonwoods are present in wetland and upland areas of the property.

Evergreen trees: A row of smaller Douglas fir is present along the northern property boundary. A large Douglas fir is present next to the existing adult holding pond.

Shrubs: Uplands contain Himalayan blackberry and red elderberry; wet areas have willows and red-osier dogwood.

Grass: There is mowed grass around the residences and hatchery buildings/structures, as well as at the perimeter of the facility.

Pasture: There are no pastures on the property.

Crop or grain: There are no crops or grains on the property.

Wet soil plants: Yellow iris is present around the perimeter of the existing pollution abatement pond; willows are present in the riverine wetland.

Water plants: There are some water plants in the existing pollution abatement pond.

Other types of vegetation: None.

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

As shown on Sheets 2 and 3 of the attached JARPA drawings and discussed in GeoEngineers (2009a), the proposed upgrades will not generally impact existing native vegetation adjacent to Voights Creek. However, the Douglas fir near the existing adult holding pond will likely need to be removed to facilitate construction of the new adult holding pond and fish ladder. Mowed, landscaped or other areas currently used as part of existing hatchery operations will also be altered during the upgrades. As mitigation for these impacts, landscaping using native species is planned throughout the site.

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

The Washington Department of Natural Resources' Washington Natural Heritage Program does not list Section 33, Township 19N, Range 05E—the section in which Voights Creek Hatchery is located—on its list of localities which may contain rare plant species. Available information and site investigations do not suggest that any threatened or endangered plants occur 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:***

Stream bank restoration near the fish ladder will include re-planting with native riparian species in Phase 1 construction. Landscaping throughout the hatchery site that is proposed during Phase 2 construction will use native species, including areas within the stream buffer. A Landscape Plan, as required for Pierce County land use review, will be prepared by MWH Americas, Inc. and will include specific information regarding plant species, quantities, and location.

5. ANIMALS

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

Birds: Osprey observed.

Mammals: None

Fish: Chinook salmon observed; Chinook salmon, steelhead trout, lamprey, sculpins, and rainbow trout are known to occupy Voights Creek.

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

Puget Sound Chinook salmon (threatened) and steelhead trout (threatened) are known to occupy Voights Creek. Both of these species are propagated through hatchery operation.

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

Voights Creek is a migratory corridor for salmon and trout.

Proposed measures to preserve or enhance wildlife, if any:

Stream bank and riparian restoration will enhance habitat value for salmon, trout, and other fish species. Landscaping the hatchery facility with native species will increase upland and riparian habitat value for songbirds and small mammals. Continued operation of the fish hatchery plays a role in long-term conservation of salmon and trout.

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.*

Energy demands at the site (electricity and heating oil) may increase very slightly from current demand as a result of this project. Energy is used for lighting, running office equipment, running water pumps during hatchery operation, and heating buildings.

- 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:*

New water pumps will use premium-efficiency motors.

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. No.*

- *Describe special emergency services that might be required.*

None beyond current. Prior to the January 2009 flooding, two employees and their families resided on the property in the two on-site residences. Currently, only one employee and family remain on-site; the other employee and family were provided with off-site housing. WDFW plans to provide permanent off-site residential housing for this family and to retain only one residence on the site, which will continue to be occupied by a hatchery employee and family.

- **Proposed measures to reduce or control environmental health hazards, if any:**
None.
- b. Noise**
 - **What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?**
Project construction and hatchery operation will not be affected by outside noise sources existing in the area.
 - **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.**
Hatchery operation is relatively quiet. The proposed project will not permanently alter levels of noise generated at the hatchery. Temporary construction noise will be generated during the operation of heavy machinery including but not limited to excavators, cranes, bulldozers, compaction equipment and other typical construction equipment. This noise may permeate for up to 0.5 miles into the surrounding environment during construction.
 - **Proposed measures to reduce or control noise impacts, if any:**
All construction equipment will meet noise and emissions standards applicable in the State of Washington.

8. LAND AND SHORELINE USE

- a. What is the current use of the site and adjacent properties?**
The site is currently used as a fish hatchery and also contains two residential houses. Surrounding areas are rural with residences and agricultural use.
- b. Has the site been used for agriculture? If so, describe.**
No. The site has been used as an aquaculture facility since construction of the hatchery in 1917.
- c. Describe any structures on the site.**
There are two residences, a hatchery building, a garage, a fish food storage building, two earthen ponds (the pollution abatement pond and adult holding pond), two asphalt-lined rearing ponds and two separate raceway structures. These structures are shown on Sheet 2 of the attached JARPA drawings.
- d. Will any structures be demolished? If so, what?**
Yes. The 1917 residence will be demolished and removed from the site. The rearing ponds will also be removed and replaced according to the JARPA drawings provided (see Sheets 2 and 3).
- e. What is the current zoning classification of the site?**
Rural 10 (R10).
- f. What is the current comprehensive plan designation of the site?**
Rural 10 (R10).
- g. If applicable, what is the current shoreline master program designation of the site?**
Rural Environment.
- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.**
Voights Creek and associated wetlands and riparian habitat would be considered environmentally sensitive. Portions of the hatchery are also located in the 100-year floodplain of Voights Creek.

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

Reside: 1 family (up to 5 people).

Work: 2-4 employees.

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

One family that previously resided on the site is now being provided with off-site housing as a result of flood damage to the 1917 residence in January 2009. Following removal of this residence, this family will continue to reside off-site and will be provided with permanent government-subsidized off-site housing.

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

WDFW will purchase or rent a single-family residence at an off-site location for occupation by an employee and family.

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

None. The proposed upgrades will not change the current land use of the subject property.

9. HOUSING

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

One government-owned single-family residence will be present on the site once the project is complete. An additional off-site single-family residence will be acquired by the WDFW. These residences are provided to employees of the hatchery and their families at discounted rates due to the requirement of living in close proximity to the hatchery, which promotes timely response to hatchery emergencies and/or maintenance needs.

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

One single-family residence will be removed from the site and replaced with an off-site residence.

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

None aside from those described above.

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?

Existing buildings on the site range from 15 to 21 feet in height. The tallest of these buildings is the 1917 residence, which will be removed. Existing buildings that will be retained once the project is complete will be 18 feet in height or less. A new spawning shed will be constructed which will be 19 feet in height and therefore the tallest structure once the project is complete. Exterior materials are aluminum siding, concrete block and/or composite lap siding.

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

None.

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

None. Aesthetic impacts are not expected to result from this project.

11. LIGHT AND GLARE

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

Pre- and post-project levels of light and/or glare will be approximately equal. There are currently some security lights mounted on utility poles on the site, which will be retained. Outdoor hatchery facilities (raceways, rearing ponds, and adult holding ponds) that are currently lit for security purposes will continue to be lit in a similar manner. The new spawning shed will have two additional new outdoor flood lights. The increase in lighting over what currently exists at the hatchery will be minimal.

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

No. The site is adequately buffered from adjacent property and residences by trees that are present around the perimeter of the property. Lighting will be directed at the facility and operations. SR-162 is located to the south and east of the site and portions of that roadway are lit at night as well. Highway safety will not be negatively impacted by lighting on the hatchery properties.

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

None. Street lighting associated with SR-162 already exists but does not negatively affect the hatchery.

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

All lighting will be directed toward the facility and will thus minimize any potential for impact on surrounding areas.

12. RECREATION

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

The hatchery provides public access and viewing opportunities of the hatchery ponds, other hatchery facilities, and Voights Creek. Educational signage provides public outreach and benefit. The opportunity to view wildlife in this setting is considered an informal recreational opportunity.

A multi-use paved trail adjacent to the Carbon River (the "Foothills Trail") is located approximately ¼-mile from the hatchery. This trail connects to parks and roads in the communities of Puyallup, Sumner, Alderton, McMillin, Orting, and South Prairie.

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

No. Viewing and educational opportunities at the hatchery will be enhanced.

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

Specific viewing platforms and walkways around select hatchery features will be provided.

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. The 1917 house is not listed, has been heavily modified since its initial construction, and has been surveyed by the state. The State of Washington has issued their concurrence for a finding of No Historic Properties Affected.

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.*

Existing access is provided by SR-162 and Voights Creek Hatchery Road. Access to the property will not be altered as part of the proposed upgrades.

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

The “Orting Loop” service offered by Pierce Transit connects the community of Orting to the South Hill Mall in Puyallup. Orting is approximately 2 miles from the site. This shuttle runs by reservation only. Transit connections to other destinations are available at the South Hill Mall.

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

The availability of parking will remain unchanged between pre- and post-project conditions. A minimum of ten parking spaces will be available on the hatchery grounds. Additional public parking is available in the turn-around at the dead end of Voights Creek Hatchery Road.

- 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 public roads are required for the proposed project.

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.

The project will not alter traffic flow to/from the hatchery. The number of employees will remain the same. The number of visitors is not projected to change appreciably.

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. The type and intensity of land use will not change. The number of employees and visitors to the site will remain the same.

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

None.

16. UTILITIES

a. Circle 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.

No new utilities are planned for the site.

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:

Raymond Berg

Date Submitted:

2-26-09