

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

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

Instructions for applicants:

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

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

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

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

Use of checklist for nonproject proposals:

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

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

A. BACKGROUND

1. Name of proposed project, if applicable:

WDFW Fallert Creek Generator Removal and Replacement

2. Name of applicant:

Washington State Department of Fish and Wildlife

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

Washington Department of Fish and Wildlife - CAMP
600 Capitol Way, North
Olympia, WA. 98501
360 902 8300
Contact Person: Cindy Knudsen

4. Date checklist prepared:

4 18 2012

5. Agency requesting checklist:

Washington State Fish and Wildlife

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

May, 2012 – December 2012

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

No.

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

No environmental information has been prepared related to this proposal.

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.

A permit application will be submitted to Cowlitz County for appropriate construction and or possible shoreline permits.

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

A fill and grade permit may be required. This project will require appropriate construction and or electrical inspection permits.

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.)

This project includes removing the existing generator and diesel lines from the hatchery intake (pump house) building near the Kalama River, and installing a new generator on the landward side of Kalama River road (adjacent to the fuel storage tank), on the grounds of the WDFW Fallert Creek Hatchery. A 24 inch deep trench by approximately 60 to 80 feet in length will need to be opened up on the landward side of the Kalama River road to install new electrical conduits. The trench will then be backfilled with the excavated materials after new wires are installed. A locating wire and warning ribbon will be installed within the first 12 inches of the surface. The new conduits will then be pushed through an existing chase (under Kalama River Road) to be connected to the hatchery intake building electrical service. An approximate 6 feet wide by 15 foot long concrete pad will be installed as a base to support the new weather tight generator.

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.

From I-5 take exit 32, turn left on Kalama River Road, go 3.1 miles. If you reach Old Spreadborough Road, you have gone too far. Arrive at 1404 Kalama River Road. Kalama, WA. 98625. Turn in to the Fallert Creek Hatchery. 46.04614, -122.80387, T7 N R1 W S34.

B. ENVIRONMENTAL ELEMENTS

1. Earth

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

The electrical generator is at the hatchery grounds in a forested area alongside the Kalama River. There are areas of lightly populated residential areas nearby.

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

8% 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 prime farmland.

Soils in the vicinity are classified as Pilchuck loamy fine sand.

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

No.

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

As a part of this project a ditch will be excavated for new electrical lines. Old diesel lines from the intake building will be removed on the landward side of the Kalama River Road. The ditch for the new electrical wires will be 24 inches deep and approximately 60 to 80 feet long. Approximately 5 yards will be excavated. All materials excavated during ditch excavation will be used to refill the ditch after the new wires are installed.

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

Some erosion could occur due to construction; however siltation prevention BMPS will be used to eliminate any possible erosion from reaching the Kalama River.

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

No change in impervious surfaces will be created by this project.

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

Erosion avoidance BMPs will be used to eliminate any possible erosion from reaching the Kalama River.

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.

Low levels of vehicle exhaust emissions and dust from construction activities are expected during project activities. No long-term effects in air quality are anticipated to result from the completed project.

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

No

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

None.

3. Water

a. Surface:

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

Fallert Creek and the Kalama River are in the project vicinity but not near the project location.

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

The pump house with the generator is within 200 feet of the Kalama River. No in water work will be done as a component of this project. All construction activities are landward of the Kalama River and Fallert Creek.

- 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.

No fill or dredge materials will be placed in or removed from surface water or wetlands.

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

No. this project will not require surface water withdrawals or diversions.

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

No.

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

No discharge of waste materials will be produced as a result of this project.

b. Ground:

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

Ground water will not be withdrawn, and no water will be discharged to ground water as a result 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.

This project will not discharge any waste material to ground from septic tanks as a result of this project.

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.

Stormwater in the area sheet flows from the paved parking and graveled areas, and this surface water eventually reaches Fallert Creek. This project will not change stormwater runoff patterns.

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

No waste materials will enter the ground or surface water as a result of this project.

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

All Best Management Practices including erosion control measures, will be taken to avoid any erosion from entering water or causing any impacts to water.

4. Plants

a. Check or circle 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
- 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?

No vegetation will be removed as a result of this project. Some grass may be removed.

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

None.

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

There is no landscaping proposed as a result of this project. The project location is the site of a small generator building at the entrance of the hatchery building where there is a very small grassy area, and a paved parking area. The area will be reseeded with grass to match existing conditions at project completion.

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: **hawk, heron, eagle, songbirds**, other:
- mammals: **deer**, bear, elk, beaver, other:
- fish: **bass, salmon, trout**, herring, shellfish, other: This is the site of a WDFW Hatchery and near the Kalama River where there are the species listed above.

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

Chinook salmon, coho salmon, steelhead and chum salmon are ESA listed species that are nearby in the Kalama River. Coho and steelhead maintain rearing habitat in Fallert Creek. Juvenile coho salmon most likely utilize Fallert Creek and the Kalama River as overwinter rearing habitat. They are not expected to be at the construction site during generator replacement activities.

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

This site is near winter migratory elk habitat. Salmon also migrate through the Kalama River and Fallert Creek nearby, but not at the project location.

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

None.

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.

An electrical generator is at the project site that is being replaced as a result of this project. Generator testing will be done as a component of this project.

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:

The new generator, once installed, will provide a dependable efficient source of emergency power for the Fallert Creek Hatchery.

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.

There are no environmental health hazards that are a component of this project.

1) Describe special emergency services that might be required.

None.

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

None.

b. Noise

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

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.

Temporary increases in noise levels during construction activities are expected from this project. Hours of increased noise will be 8 am to 5 pm. No long term change in noise levels is expected from the completed project.

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

None.

8. Land and shoreline use

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

The project is at the site of the WDFW Fallert Creek Hatchery.

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

No.

c. Describe any structures on the site.

Structures at this site include nearby hatchery buildings, fish rearing raceway structures, some paved access roadways and graveled areas.

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

No structures will be demolished as a result of this project. The old generator will be removed and disposed of offsite.

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

Rural

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

Rural

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

Rural

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

No.

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

No people will reside here.

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

None.

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

None.

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

This project supports operations for the Fallert Creek Hatchery by providing a source of emergency electrical power to keep the hatchery operational during power outages. This proposed project will comply with all standard permit regulations and requirements to meet required code compliance.

9. Housing

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

No persons would reside here.

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

None.

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

None.

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?

The new generator will be located inside the existing generator house structure. A new cement pad will be poured, level with the ground surface. No portions of this proposed project will affect the height of any structure.

- 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.

11. Light and glare

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

None.

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

None.

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

None.

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

None.

12. Recreation

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

There are fishing and wildlife viewing opportunities nearby on the Kalama River.

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

No, this proposed project will not displace any existing recreational uses.

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

None are proposed..

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.

None are known.

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

None are known.

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

The new generator will be removed from its current location in the pump house and replaced with a new weather tight generator in a new location landward from Kalama River road on the WDFW Fallert Creek Hatchery. The only activity that disturbs the ground surface is an area on the Fallert Creek Hatchery grounds that will be prepared for installation of a cement pad (6 foot wide x 15 foot long x 1.5 foot deep), and activities associated with digging a trench for new buried electrical wires (24 inches deep and approximately 60 to 80 feet long). If during construction artifacts are discovered, construction will stop and the proper authorities will be notified. The concrete slab and ditch are in areas of previously placed fill. Please see site drawings.

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.

Interstate 5 is nearby. Kalama River Road and Fisherman's Loop Road serve this site.

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

The nearest public transit stop is unknown.

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

No parking places will be at the proposed project site. No parking places will be eliminated.

- 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. This proposal will not require any new roads or streets.

- 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.

None.

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

None.

15. Public services

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

No.

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

None.

16. Utilities

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

The old generator provides a source of emergency electricity.

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.

This proposed project will require the Cowlitz County PUD for primary wire insulation during removal of the old generator, inspection services, and permits.

General construction activities: A 24 inch deep trench by approximately 60 to 80 feet in length will need to be opened up on the landward side of the Kalama River road to install new electrical conduits. The trench will then be backfilled with a locating wire and warning ribbon installed within the first 12 inches of the surface. The new conduits will then be pushed through an existing chase to be connected to the hatchery intake building electrical service. An approximate 6 feet wide by 15 foot long x 1.5 feet deep concrete generator pad will be installed as a base for the new weather tight generator.

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: *Antonia Knudsen*

Date Submitted: *4/19/2012*

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

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

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

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

Proposed measures to avoid or reduce such increases are:

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

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?

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?

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?

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?

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.