

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

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

Instructions for applicants:

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

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

Instructions for Lead Agencies:

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

Use of checklist for nonproject proposals:

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

A. Background [\[HELP\]](#)

1. Name of proposed project, if applicable:

Wanapum Right Bank Stabilization Project

2. Name of applicant:

Deb Firestone

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

**PO Box 878
Ephrata, WA 98823
509-793-1583
Dfirest@gcpud.org**

4. Date checklist prepared:

September 27, 2019

5. Agency requesting checklist:

Grant County PUD

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

Construction start: October 2019

Construction completion: December 2019.

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

No. There are no future additions, expansion or further activities related to this proposal.

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

- **Wanapum Right Bank Stabilization Mitigation Plan – September 2019**

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.

No other applications are known to be pending on this site.

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

Washington Department of Fish & Wildlife Hydraulic Project Approval issued September 11, 2019.

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.)

In May 2018, due to high run off flows of the Columbia River, the right (west) bank near the Wanapum avian tower 4 required emergency stabilization. The shoreline was armored 100 yards downstream and 100 yards upstream of avian tower 4. Grant PUD is proposing to armor the additional 300 yards of shoreline from the avian tower to the dam.

Stabilization efforts include using an excavator/backhoe to level the bank (e.g. pull it back) to allow safe access with a front end loader near the edge of the bank. The rip-rap (~24 inch diameter) will be added to the bank using dump trucks and front end loaders to provide stability to the remaining 300 yards of the shoreline from avian array tower 4 to the Wanapum dam to prevent further erosion and damage to the avian tower.

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-90, take the Huntzinger Road exit and travel south on Huntzinger Road for approximately 6 miles to Wanapum Dam (will be on your left). The project site is located within the secured perimeter of Wanapum Dam. The proposed project is located on the right (west) bank of the Wanapum dam. Township 16N Section 20 Range 23 EW, M

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

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

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other
The topography at the site is varied, ranging from gently sloping to near vertical rock outcroppings.

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

Approximately 40%.

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.

Schwana Complex.

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

Due to high run off flows of the Columbia River, the right (west) bank near the Wanapum avian tower 4 requires further armoring and stabilization.

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.

Rip rap (~ 24 inch diameter) will be added to the bank to prevent further erosion.

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

The proposal is to prevent further erosion due to high water run off flows of the Columbia River.

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

There will be no impervious surfaces.

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

Rip rap (~24 inch diameter) will be added to the bank using dump trucks and front loaders to provide stability to the remaining 300 yards of the shoreline from avian tower 4 to the Wanapum dam to prevent further erosion and damage to the avian tower.

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.

Temporary emissions of dust and vehicle exhaust from construction activities would occur during the construction period. Once construction is complete there will be no air emissions.

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

No off-site sources of emission or odor will affect this proposal.

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

Verify that all construction equipment is in good working condition to keep exhaust to a minimum.

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

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

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

Yes. The Columbia River.

- 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.

Work will occur in the water. The rip-rap will be placed landward of OHWM. The ten year average of the Wanapum tailrace is 491.5 feet. See attached map showing contours of the OHWM.

- 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 material will be placed 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 surface withdrawals or diversions will be required for this proposal.

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

Yes.

- 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.

There will be no discharge of waste materials into surface waters associated with this project.

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

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

No groundwater will be withdrawn.

- 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.

Water material will not be discharged to the ground.

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.

Not applicable.

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

No.

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

No.

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

Stormwater control best management practices will be utilized.

4. Plants [\[help\]](#)

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

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

Orchards, vineyards or other permanent crops.

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

water plants: water lily, eelgrass, milfoil, other

other types of vegetation (**There is very little vegetation, mostly weeds.**)

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

No vegetation will be removed from this site.

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

There are no known threatened or endangered plant species on or near the project site.

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

None.

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

None.

5. **Animals** [\[help\]](#)

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

Examples include:

hawk, heron, eagle, songbirds, other:
mammals: other:
 herring, shellfish, other _____

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

Spring Chinook salmon of the Upper Columbia River (UCR) Evolutionary Significant Unit (ESU)

Summer steelhead of the UCR Distinct Population Segment (DPS)

Bull trout of the Columbia River DPS could potentially exist in the vicinity at various times of the year.

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

Yes. This section of the Columbia River is a migration route for anadromous and resident fish and numerous waterfowl.

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

There are no proposed measures. The work will occur completely out of and away from the water and no fill or substrate disturbance will occur. All work will occur landward of the OHWM.

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

There are no invasive animal species known to be on or near the site.

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

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

The proposed project will not require any energy needs beyond those required for construction.

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 completed project will not require the long-term use of energy.

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.

No.

- 1) Describe any known or possible contamination at the site from present or past uses.
None.
- 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.
None.
- 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.
No chemicals will be stored, used or produced at any time.
- 4) Describe special emergency services that might be required.
No emergency services will be required.
- 5) Proposed measures to reduce or control environmental health hazards, if any:
There are no proposed measures.

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.

Noise from construction activities will consist of construction equipment and power tools. There will be no additional noise after the completion of the project.

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

Noise generated from equipment will be limited to general work hours. One hour before sunrise and sunset.

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.

The project site is located within the secured perimeter of the Wanapum Dam. Adjacent properties are used for the operation of Wanapum dam. Huntzinger Boat Launch is south of the project site which provide recreation access to the Columbia River.

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?

No.

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:

No.

c. Describe any structures on the site.

Avian array tower 4 is located near the site.

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

No structures will be demolished.

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

Remote Rural

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

Rural Conservancy

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

Rural Conservancy

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

No.

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

No one will reside in the completed project area.

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

No people will be displaced.

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

There are no proposed measures.

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

Not applicable.

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

Not applicable.

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

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

None.

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

None.

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

There are no proposed measures.

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?

Not applicable.

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

No views will be altered or obstructed by the construction of the project.

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

No aesthetic impacts are anticipated with the proposed project.

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

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

No lights are proposed.

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

Not applicable.

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

Lights from the Wanapum Dam will be visible but will not negatively affect the proposal.

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

There are no proposed measures.

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

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

Huntzinger Boat Launch is south of the proposal and provides recreational opportunities for boating, fishing and other water based activities.

b. Would the proposed project displace any existing recreational uses? If so, describe.
No.

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

There are no proposed measures.

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.

The work site is adjacent to Wanapum Dam which is a hydropower dam potentially eligible for the National Register.

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.

There are no Indian or historic evidence at this work site.

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.

The work site is in the FERC licensed project boundary that has been surveyed and subject to a completed Section 106 consultation and compliance process. Reference "Priest Rapids Hydroelectric Project Historic Properties Management Plan" (April 17, 2011) on file with the Washington Department of Archeology and Historic Preservation.

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.

The proposed work will have no effect to sites or cultural resources, therefore no preservation or avoidance measures are required.

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

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

Huntzinger Road is located to the west and provides access to the site.

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?

No.

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

None.

- 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).

Not applicable.

- e. Will the project or proposal 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 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?

None.

- 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.

No.

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

There are no proposed measures.

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.

No.

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

There are no proposed measures.

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

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

- c. 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.

Not applicable.

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: Deb Firestone

Name of signee Deb Firestone

Position and Agency/Organization Regulatory Specialist

Date Submitted: 10/1/2019