

**PART ELEVEN – FORMS**

**WAC 197-11-960 Environmental Checklist.**

**ENVIRONMENTAL CHECKLIST**

**A. BACKGROUND**

1. Name of proposed project, if applicable.

*Water System Comprehensive Plan*

2. Name of Applicant:

*Sallal Water Association*

3. Address and Phone Number of Applicant and Contact Person:

*Ted Stonebridge, Manager  
P.O. Box 378  
44021 SE Tanner Rd Suite E  
North Bend, WA 98045-0378  
425-888-3650*

4. Date Checklist Prepared:

*July 2019*

5. Agency Requesting Checklist

*King County*

6. Proposed Timing or Schedule (including phasing, if applicable)

*The development of Water System Comprehensive Plan (Plan) occurred in 2018 and 2019.*

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

*This Plan provides a 10-year capital improvement plan (CIP). These projects will be implemented based on need and available financing.*

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

*None.*

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.

*This Plan will require approval by the Washington Department of Health, and King County prior to adoption by the Association.*

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

*Government approval and permits will be obtained for each project implemented in the CIP.*

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 scope of work for the Water System Comprehensive Plan is organized into the following chapters:*

- *Chapter 1, Introduction, provides background information including system history, inventory of existing facilities, service area agreements, interlocal agreements, future service area, service area policies and conditions of service, and related planning documents.*
- *Chapter 2, Basic Planning Data, includes existing and future population projections; number of service area connections; and water use data including production, consumption, lost and unaccounted for water, peaking factors, and equivalent residential units. Service area characteristics, existing and projected land use, and water demand forecasts are also included.*
- *Chapter 3, Water Quality - includes existing drinking water quality standards, anticipated future drinking water quality standards, water quality monitoring schedule, and water quality analysis.*
- *Chapter 4, Hydraulic Analysis - discusses the hydraulic modeling program, model development, system demands, model calibration, and distribution system analysis that includes peak hour and available fire flow simulations. System design standards, general facility standards, and an analysis of Granite Falls' source of supply, and storage capacity.*
- *Chapter 5, Water Conservation Plan, includes water use data collection, program development and implementation, recommended measures and level of implementation, regional conservation programs, Granite Falls' conservation program, water right evaluation, and water system reliability analysis.*
- *Chapter 6, Source Water Protection Program – Wellhead Protection and potential contaminant inventory.*

- *Chapter 7, Operations and Maintenance Program, reviews water system management and personnel, operator certification, routine operating procedures, preventative maintenance, record keeping, water quality sampling procedures, and discusses the coliform monitoring plan, emergency response program, safety procedures, cross-connection control program, and service reliability.*
  - *Chapter 8, Design Standards – Presents the design and construction standards.*
  - *Chapter 9, Capital Improvement Plan (CIP), provides an implementation schedule for 10 years.*
  - *Chapter 10, Financial Program, analyzes past income and expenses, revenue and cash flow to fund CIP and emergency improvements, and assesses the rate structure to consider affordability of rates and water conservation.*
12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including the street address, if any, and section, township, and range, if known. If a proposal would occur over a range of areas, provide the range or boundaries of the site(s). 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 study area for this Plan is the service area for Sallal, which incorporates part of North Bend and unincorporated King County.*

**B. ENVIRONMENTAL ELEMENTS**

This is a nonproject action, therefore a number of the environmental elements will not apply. A general answer will be provided where appropriate. The answers will apply generally to Granite Falls' service area.

**1. Earth**

- a. General description of the site (check one):  flat,  rolling,  hilly,  steep slope,  other:

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

*Sallal is situated in the eastern portion of North Bend and extends east, south and north of the City limits. The southern extent is Rattlesnake Lake, the northern extent is the base of Mt Si and the eastern extent is east of Trucktown (468<sup>th</sup> Ave SE). The Snoqualmie River flows through the Sallal service area.*

- c. What general types of soils are found at 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.

*Generally the soils are permeable outwash.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

**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.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

**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.

*To be determined on a project specific basis.*

- 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.

*To be determined on a project specific basis.*

- 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.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

- 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.

*To be determined on a project specific basis.*

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.

*To be determined on a project specific basis.*

- 2) 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.

*To be determined on a project specific basis.*

- 3) Proposed measures to reduce or control surface, ground, and runoff water impacts, if any.

*To be determined on a project specific basis.*

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.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

- 4) Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

*To be determined on a project specific basis.*

**4. Plants**

a. Check types of vegetation found on the site:

- Deciduous tree: Hemlock, yew, alder, apple, cherry, and maple.
- Evergreen tree: Douglas fir, cedar, pine, spruce
- 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: Foxglove, lupine, paintbrush, berries, ferns, moss and lichens
- To be determined on a project specific basis.

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

**5. Animals**

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

- Birds: ducks, geese, osprey, great blue heron, turkey vulture, bald eagle.
- Mammals:
- Fish:
- To be determined on a project specific basis.

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

*To be determined on a project specific basis.*

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

*The entire Puget Sound basin is a part of the Pacific Flyway.*

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

*None required.*

**6. Energy and Natural Resources**

- a. What kind 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.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

- c. What kind of energy conservation features are included in the plans of this proposal? List other proposed measures to control energy impacts, if any.

*To be determined on a project specific basis.*

**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.

*To be determined on a project specific basis.*

- 1) Describe special emergency services that might be required.

*To be determined on a project specific basis.*

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

*None required.*

**8. Noise**

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

*To be determined on a project specific basis.*



- 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.

*To be determined on a project specific basis.*

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

None required.

**9. Land and Shoreline Use**

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

*Existing land use is a mix of low density urban residential with some commercial, in North Bend and rural in unincorporated County.*

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

*No.*

- c. Describe any structures on the site.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

- e. What is the current zoning classifications of the site?

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis. The Plan presents existing and projected future populations within the Sallal service area.*

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

*None.*

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

*None required.*

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

*To be determined on a project specific basis.*

## **10. Housing**

- 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 eliminate? Indicate whether high, middle, or low-income housing.

*None.*

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

*None required.*

## **11. Aesthetics**

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*None required.*

**12. Light and Glare**

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*None required.*

**13. Recreation**

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*None required.*

**14. 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.*

- 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 required.*

## **15. 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.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveway? If so, generally describe (indicated whether public or private).

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

- f. How many vehicle trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

**16. 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.

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

**17. Utilities**

- a. Check utilities currently available at the site:

- Electricity
- Natural gas
- Water
- Refuse service
- Sanitary service
- Septic system
- Other:
- Not applicable

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction on the site or in the immediate vicinity which might be needed.

*To be determined on a project specific basis.*

**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: \_\_\_\_\_

*Walter H. Roberts*

Date Submitted: \_\_\_\_\_

*1/11/20*

**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 of the proposal, or the types of activities likely to result from the proposal, would affect the item in 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?

*To be determined on a project specific basis.*

Proposed measures to avoid or reduce such increases are:

*To be determined on a project specific basis.*

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

*Unknown at this time.*

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

*If threatened or endangered plant, animal, fish or marine species are discovered during construction, all work will cease until the Department of Fish and Wildlife or the Department of Natural Resources can be contacted and an expert brought on to the site.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

4. How would the proposal be likely to use or affect environmentally sensitive areas or area 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?

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses compatible with existing plans?

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*

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

*To be determined on a project specific basis.*