

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 [Find help answering background questions](#)

1. Name of proposed project, if applicable:

Phase I Improvements

2. Name of applicant:

Girl Scouts of Western Washington

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

Owner Contact: Zeke Brucker, 5601 6th Ave S., Suite 150, Seattle, WA 98108, (206) 370 9131
Owners Rep: Jason Flowers, Geosyntec Consultants, 520 Pike Street, Suite 2600, Seattle, WA 98101, (206) 496-1467

4. Date checklist prepared:

08/01/24

5. Agency requesting checklist:

King County

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

January 2025

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.

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.

The project received approval from the Department of Health. No other permits are expected.

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

Washington Department of Health
King County Commerical Building

11. Give a 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.)

SCOPE OF WORK INCLUDES REPLACING COMPONENTS OF EXISTING DOH-APPROVED DRINKING WATER SYSTEM. REMOVAL AND REPLACEMENT OF EXISTING 25,000 GALLON REDWOOD WATER RESERVOIR WITH 32,000 GALLON CONCRETE RESERVOIR. REMOVAL AND REPLACEMENT OF EXISTING 1,000 GALLON HYDROPNEUMATIC TANK AND TWO BOOSTER PUMPS WITH LIKE KIND TANK AND PUMPS. REPLACEMENT OF WELL HEAD PIPING AT TWO WELL WATER PUMP HOUSE AND REPLACEMENT OF PIPING FROM THE PUMP HOUSES TO THE NEW RESERVOIR.

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.

33320 NE 32ND ST CARNATION, WA 98014
Quarter NE, Section 22, Township 25, Range 7
King County Parcel # 222507-9001
See Attached Drawings and Contract Drawings for maps

B. Environmental Elements

1. Earth [Find help answering earth questions](#)

a. General description of the site:

The Site for the reservoir and booster station is a relatively flat area atop an approximately 185-foot tall ridge. A pipeline will run along a slope from the reservoir to the two pump houses approximately 900 feet away from the reservoir.

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

Fill will consist of on-site materials. The remaining excavation is in relation to the replacement pipeline.

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

60%

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.

Glacially consolidated/overridden silty sands with gravels and boulders. No agricultural use.

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

No

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.

Primary construction area is about 1,500 square feet. Fills and cuts up to about 3 feet deep will be required to construct/demolish foundations, but no other significant changes to grading.

Fill will consist of on-site materials. The remaining excavation is in relation to the replacement pipeline.

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

Some soil will be temporarily exposed, but grades are flat and erosion and sediment controls will be implemented as needed.

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

Approximately 10% of the top of the ridge will have impervious surfaces which is nearly identical to the current area because an existing 18 foot diameter reservoir will be replaced with a 20 foot diameter reservoir.

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

Site can generally be graded to avoid erosion off site. Silt fences or straw wattles will be installed where surface water cannot be managed entirely via grading.

2. Air [Find help answering air questions](#)

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.

Minimal air emissions for construction equipment of water tank and pipeline.

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

No offsite emissions are expected.

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

Equipment will only be on when in operation and will not be idling.

3. Water [Find help answering water questions](#)

a. Surface Water: [Find help answering surface water questions](#)

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.

The Tolt River is approximately 350 feet from the construction site

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

No

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.

None

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

No

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

b. Ground Water: [Find help answering ground water questions](#)

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 a general description, purpose, and approximate quantities if known.

The project will be to update components associated with an existing drinking water system. As a result, no change in the use of the existing DOH and DOE approved wells will occur.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (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.

None

c. Water Runoff (including stormwater):

a) 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.

The main source of runoff will be stormwater from precipitation. Construction BMPS will be implemented to prevent stormwater runoff from leaving the site.

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

no

c) 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.

Silt fences or straw waddles will be installed where surface water cannot be managed entirely via grading.

4. Plants [Find help answering plants questions](#)

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

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

Tree removal will be avoided as much as possible, but a few trees that might be removed along the path of the pipeline if it can not be avoided.

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

No known on site based on the WHNP Data Explorer.

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

No changes since minimal land disturbed

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

Tansy ragwort is mapped in the area based on iMAP.

5. Animals [Find help answering animal questions](#)

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

Examples include:

- Birds: hawk, heron, eagle, songbirds, other:
- Mammals: deer, bear, elk, beaver, other: cougar
- Fish: bass, salmon, trout, herring, shellfish, other: Other unknown fish

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

Within the construction area, there are no known endangered species; however, the Tolt River is habitat for Chinook Salmon, Bull Trout, and Steelhead.

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

Some portions could be part of the Pacific Coast Flyway. The Tolt River is part of the salmon and steelhead migration.

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

No change to wildlife habitat from the replacement of the existing infrastructure.

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

No known invasive species at or near the site.

6. Energy and Natural Resources [Find help answering energy and natural resource questions](#)

1. **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 project involves replacing existing equipment with in-kind components, which are powered by electricity. The new equipment will have the same power type and demand.

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

This project will not affect adjacent properties ability to use solar energy

3. **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 water reservoir will leak less which would decrease well pumping.

7. Environmental Health [Find help with answering environmental health questions](#)

- a. **Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because 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.**

Fuel for equipment used onsite will be stored on the property during construction. The project will comply with City and Ecology BMPs for construction.

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

None

5. **Proposed measures to reduce or control environmental health hazards, if any.**

Equipment will be monitored for spills or line breaks and a spill response will be performed.

b. Noise

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

The project is in remote location, so no noise in the area will affect the project.

- 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)?**

Some construction vehicle noise during construction during normal working hours. Otherwise, there will be no change in the noise in the area,

- 3. Proposed measures to reduce or control noise impacts, if any.**

Construction vehicles will not idle when not in operation, and any noise impacts will be temporary during construction.

8. Land and Shoreline Use [Find help answering land and shoreline use questions](#)

- 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 site is a campground for the Girl Scouts of Western Washinton. The adjacent properties are either private residences, commercial properties, or farms. There will be no affect on the current land uses on the property or the adjacent properties

- 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 because 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?**

The property was logged in the 1920s and 1930s. Since then, only limited clearing has been done for new living structures and road improvements.

- 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?**

There will be minimal construction traffic during the project which will not impact the working farms in the aera.

- c. Describe any structures on the site.**

There are several other structures on the parcel that sit outside the construction area. The only structures in the working area are the existing water reservoir, booster pump station, and two ground well pump houses.

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

An existing 25,000 gallon reservoir

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

The current zoning is RA-10

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

The current comprehensive plan has the area designation as a Rural Area.

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

Parts of the property near the Tolt River are designated as a conservancy shoreline. Construction work will be adjacent to this portion of the property.

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

Based on King County iMAP, the following critical areas on the property:

Adjacent to Tolt River - 100 year floodplain, wetland area, seismic area. Only minimal underground pipeline replacement in this area.

Across the Property - Critical Aquifer Recharge Area

Adjacent to Water Reservoir and along a section of the water line - Geological Hazardous area due to steep slopes.

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

There are currently 4 workers on the property and the number would not change.

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

None

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

Not applicable

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

Project has no impact on land use changes since only replacing existing drinking water system components.

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

No impacts on agricultural and forest lands so no measures required.

9. Housing [Find help answering housing questions](#)

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

Not applicable

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

Not applicable

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

Not applicable

10. Aesthetics [Find help answering aesthetics questions](#)

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

Replacement Water Tower will be 15 feet tall.

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

The water tower may restrict the views in the immedaite area but not more than the existing water tower. The tower is surrounded by trees and is below the canopy.

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

Not applicable

11. Light and Glare [Find help answering light and glare questions](#)

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

Not applicable

- 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?**

Not applicable

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

Not applicable

12. Recreation [Find help answering recreation questions](#)

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

The Propety is a Girl Scout Camp

- 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.**

No changes to use expected as part of this project.

13. Historic and Cultural Preservation [Find help answering historic and cultural preservation questions](#)

- 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.

There are no registered historical properties in the areas listed in Wisaard.

- 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.

No known features. We have not conducted a cultural resources survey, but we will only be disturbing areas that have been previously disturbed.

- 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.

Reviewed the WISAARD website for available information.

- 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.

None at this time because the project area has been previously disturbed.

14. Transportation [Find help with answering transportation questions](#)

- 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.

Streets are shown on the site plan for the construction drawings. No impacts on transportation expected.

- 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?

The nearest transit stop is 2 miles away in carnation for King County Metro 629

- c. 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).

No

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

No

- e. 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?

No change in vehicle trips

f. 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

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

Not applicable

15. Public Services [Find help answering public service questions](#)

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 change in service

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

Not applicable

16. Utilities [Find help answering utilities questions](#)

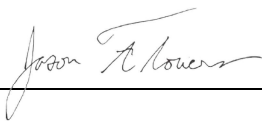
a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:

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 change

C. Signature [Find help about who should sign](#)

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.

X 

Type name of signee: Jason Flowers, PhD, PE

Position and agency/organization: Senior Engineer, Geosyntec Consultants

Date submitted: 08/26/2024

D. Supplemental sheet for nonproject actions [Find help for the nonproject actions worksheet](#)

IT IS NOT REQUIRED to use this section 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.