

City of Sumner

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:

Salmon Springs Phase II Water Line

2. Name of applicant:

City of Puyallup: Charles "Ted" Hill

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

**333 S. Meridian
Puyallup, WA 98371**

4. Date checklist prepared:

March 09, 2018

5. Agency requesting checklist:

City of Sumner

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

Project is estimated to take place in May to October of 2018

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.

**The Wetland Memo written July 1st, 2015 and the Habitat Management Plan written February 23rd, 2016 were used to help design this phase of the project.
The SWPPP being drafted.**

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

None are known to be pending.

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

**Updated Hydraulic Project Approval (HPA)
NPDES permit
City of Sumner Fill and Grade Permit**

10. 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.)

Salmon Springs provides approximately 60 percent of all water supply for the City of Puyallup's (City) water system and is located northeast of the City on the east hill within the City of Sumner (Sumner). Portions of the water line from the spring source to the City is the oldest (1906) and most important piece of infrastructure in the City's water system. Due to the age and critical nature of this water line, the City is proposing to construct a new line from the East Valley Highway East connection point to the existing chlorination compound. This consists of trenching along the proposed alignment, through and adjacent to residential neighborhood roadways and over a portion of the Salmon Creek. Trenching will also take place in the fenced off gravel access road which leads to the chlorination compound. The existing portion of the water main will be bypassed will remain in place to maintain service during construction, to provide a backup in case of a seismic event, and to minimize ground disturbance and vegetation removal in sensitive areas.

- 11. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The project is located just southwest of the confluence of Salmon Tributary and Salmon Creek, starting at the existing chlorination compound approximately 0.1 mile upstream of this confluence. Salmon Tributary enters Salmon Creek at approximately river mile (RM) 0.5 of Salmon Creek. Salmon Tributary runs generally north to south through the project area. The proposed project is located just north of Downtown Sumner in Section 18 of Township 20N and Range 05E (Figures 1 and 2).

TO BE COMPLETED BY APPLICANT

**EVALUATION FOR
AGENCY USE ONLY**

B. ENVIRONMENTAL ELEMENTS

1. Earth

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

The project area is characterized by moderately flat residential roadways and a gradual hill incline along the gravel access road to the chlorination compound surrounded by forest and wetland vegetation.

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

10% on the gravel access road.

- 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.

According to soil survey data for Pierce County, soils in the vicinity consist solely of Xerochrepts, 45 to 70% slopes. This soil type is characterized by deep gravelly sandy loam that formed from sandy and gravelly outwash and/or glacial till on valley sides. The upper layer of soil contains a significant amount of loose gravel and stream cobbles.

The project area is not within the vicinity of any agricultural resource lands or the 300-foot buffer of agricultural resource lands as identified on the City of Sumner's Agricultural Resource Land Map.

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

The upper layer of soil within the project area is generally unstable as it consists mostly of loose gravel and cobbles. The project is also within an area mapped by the City of Sumner as a Type II landslide hazard due to generally steep slopes (15% to 24.99%). However, no landslides have been mapped in the vicinity of the project site and geotechnical analysis indicates that the project area is globally stable and the potential for a deep-seated landslide and slope instability is low. The project area is not within an area mapped by the City of Sumner as a seismic hazard area.

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

Approximately 3,000 cubic yards of excavation will occur due to open trenching for the new water main. Native material will be hauled off site and disposed of in accordance with the project specifications. Approximately 100 cubic yards of Controlled Density Fill (CDF) and 4000 tons of Gravel Backfill will be used for pipe bedding, backfill and re-graveling of the access road to the chlorination compound.

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

Short-term erosion may occur during construction as clearing, grubbing, and excavation will occur.

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

Approximately 3% of the site will be covered with impervious surfaces by the proposed meter vault and additional components added to the chlorination compound. Paving and concrete work will be done to replace sections of the roadway and sidewalks which are torn up due to pipelaying work.

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

Standard temporary sediment and erosion control (TESC) best management practices (BMPs) will be installed prior to construction and regularly inspected throughout. These BMPs will include, but are not limited to: biodegradable erosion control blankets, temporary seeding, silt fence, straw bales, containment fences, stabilized construction entrances, and final revegetation of the disturbed areas. In addition, the project will comply with the City of Sumner's municipal NPDES permit with the Department of Ecology as well as all related City code.

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.

The project may result in short-term reductions in air quality due to increased

emissions from construction equipment, vehicles, and dust during construction. The project will not create any long term source of air emissions.

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

There are no off-site sources of emissions or odor that may affect this proposal

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

During construction, measures will be taken to limit the amount of idling time of construction equipment and vehicles. Dust will be minimized by spraying exposed soil with water, if necessary

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.

The project will be adjacent to and over Salmon Tributary, a spring-fed tributary of Salmon Creek. Salmon Tributary enters Salmon Creek at approximately RM 0.5 of Salmon Creek. Salmon Creek flows approximately 0.5 miles west to the White River. There is also a seepage wetland in the immediate vicinity of the project area that is identified on the City of Sumner's wetland inventory map and delineated in the field. This wetland is not identified on the National Wetland Inventory.

- 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 proposed work and staging area will occur over and within 200 of Salmon Creek. No in-stream construction or access activity is allowed, there for a temporary bridge, shown on the Plan Drawings, shall be placed for construction access to the northern portion of the site.

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

None.

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

The proposal is not within any FEMA mapped 100-year floodplain. However, it is likely within the limits of 100-year flooding of Salmon Tributary. The proposed elevated stream crossing has been designed to allow for adequate clearance for flood

flows and potential debris. The bridge previously constructed for city access and future chlorination compound maintenance has also been designed to allow for adequate clearance of flood flows and potential debris.

- 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:

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

No.

- 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.

None. Non-project Action.

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.

Non-project Action. The city has and maintains a city-wide stormwater system with a NPDES permit.

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

No, non-project Action.

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

Standard temporary sediment and erosion control (TESC) best management practices (BMPs) will be installed prior to construction and regularly inspected throughout. These BMPs will include, but are not limited to: biodegradable erosion control blankets, temporary seeding, silt fence, straw bales, containment fences, stabilized construction entrances, and final revegetation of the disturbed areas. In addition, the project will comply with the City of Sumner's municipal NPDES permit with the Department of Ecology as well as all related City code.

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?

Approximately 27 trees are expected to be removed. Of those trees 2 of them are alders, 3 are Douglas Firs, 2 are Pine and the rest are landscape trees which will be replaced if disturbed or removed.

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

No listed threatened or endangered plant species are known to be on or near the site.

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

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: skunk, opossum, squirrel,

fish: bass, salmon, trout, herring, shellfish, other:

Non-project Action. These species may be found within the City.

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

Endangered Species Act listed species with the potential to be present on or near the site include Chinook salmon (Puget Sound ESU) and steelhead trout (Puget Sound DPS). However, any anadromous fish that may utilize Salmon Tributary likely only occur in the lower gradient portion of the creek below the existing chlorination compound. Above the chlorination compound the stream gradient increases significantly and there are several cascades that are barriers to fish passage. WDFW data only shows documented or modeled anadromous fish occurrence in approximately the lower 400 ft. of the creek, while the Puyallup Tribal Fisheries' Annual Salmon, Steelhead, and Bull Trout Report for the Puyallup/White River Watershed (2013-2014) mentions that the flow in Salmon Tributary is likely too low to provide spawning access to Chinook and steelhead.

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

Most of the State of Washington is within the Pacific Flyway.

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

No in-water work or wetland impacts are proposed in order to preserve these sensitive areas, especially since Salmon Tributary provides excellent spawning habitat for anadromous fish species in its lower reach. Construction of the proposed elevated stream crossing and access bridge will be conducted during an appropriate work window in order to minimize potential inadvertent impacts to fish or fish habitat within Salmon Tributary. BMPs listed in the SWPPP will also be used to avoid or minimize any impacts to habitat for wildlife during construction. Also, removal of existing landscaping shall be restored to its original condition. Replanting of landscaped or native trees shall include planting of salvaged or new shrubs and trees, restoration of beauty bark, top soil, fertilizer, excavation, backfill, restoration of fences, planters, grates, and other landscaping improvements in accordance with the plans.

- 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.

None. Non-project Action.

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

None. Non-project Action.

- 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:

None.

7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

No environmental health hazards are anticipated. However, as there will be concrete work involved and heavy construction equipment used, there is the potential for spill of concrete or petroleum products.

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

No additional emergency services will be required. The SPCC plan will have necessary contact information and procedures in the event of a spill. Spill containment kits will be available on site at all times.

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

Spill cleanup kits and containment materials will be on site at all times. All waste materials will be fully contained and disposed of offsite in accordance with federal, state, and local laws. No equipment will operate in the water and all refueling will be conducted at least 50 ft. from open water.

- b. Noise

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

Main source of noise coming from the project will be from small equipment brought in to clear and grub, string pipe, pave the roadway and transport equipment.

- 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.

There will be short-term increased noise from construction activities. The loudest form of noise during construction will be from tracked equipment such as excavators and front-end loaders. Construction activities will be conducted between 7:00 am and 6:00 pm on weekdays and 10:00 a.m. to 6:00 p.m. on Saturdays, Sundays, and legal holidays according to Sumner Municipal Code 15.34. There will not be any long-term noise impacts as a result of this project.

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

For short term noise, construction will be limited to be conducted between 7:00 am and 6:00 pm on weekdays and 10:00 am to 6:00 pm on Saturdays, Sundays, and legal holidays according to Sumner Municipal Code 15.34. All noise generated by project construction activities will comply with Sumner Municipal Code 8.14.

8. Land and Shoreline use

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

The site is mostly a residential housing area with the northern portion being a fenced off city access road for an existing chlorination compound structures.

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

No.

- c. Describe any structures on the site.

The structures on the site are the existing residential roadways and housing which take up most of the southern end of the project and then the existing bridge and chlorination compound structures at the very last northern portion of the project.

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

A portion of the existing fence around the chlorination compound, the meter vault, bypass and blow-off pump will be demolished; however, they will be upgraded and or replaced after the new pipeline is constructed.

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

Low Density Residential 12000 and Low Density Residential 8500

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

Public-Private Utilities & Facilities

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

The project is within the 50/100 ft. standard buffer of Salmon Tributary as well as within the 25 ft. buffer of the adjacent seepage wetland regulated by the City of Sumner. However, Sumner Municipal Code 16.56.100(G)2 allows for public water corridors within buffers “provided that the proposal is subject to review under the State Environmental Policy Act, and that the structure and function of impacted fish and wildlife habitat is replaced and restored; and that appropriate federal agencies are notified of the project.”

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

None.

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

None.

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

Non-project Action. No displacement would occur as part of this proposal. None proposed.

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

None proposed. Non-project Action.

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

None. Non-project Action

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

None proposed or needed.

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 tallest proposed structures will be either the 8 ft. tall replaced fencing round the chlorination compound and the portion of the pipeline elevated over Salmon Creek. The top of the pipeline will be approximately 5 ft. above the OHWM of the creek. The proposed elevated portion of the pipeline will be rapped in a 36-inch steal casing tied

down to the top of concrete ecology blocks.

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

No

- 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 no designated or informal recreational opportunities in the vicinity of the project area as the area is partly residential housing and partly secured by the City for protection of Salmon Springs and associated water chlorination infrastructure.

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

None

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

None

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No

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

None known

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

None

14. Transportation

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

There are multiple access points to site work. Access from the west comes from East Valley Highway E. Southern and eastern access can come from 154th Ave CT. E and Parker Rd E. The contractor shall keep lanes, drive ways and on/off ramps open to traffic at all times except when work requires closures. No driveway, may be closed without prior approval of the Owner, project supervisor, or Engineer unless written authority has been given by the affected property owner. The Contractor shall be responsible for notifying the affected property owners 2 working days in advance of scheduled interruptions to access.

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

The site is not served by public transit. The nearest transit stop is the Sounder Station in downtown Sumner, located approximately 1.5 miles southwest of the project area. Access to this transit stop will not be affected by the proposed project.

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

None

- 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).

Existing residential roads will need to be backfilled and repaved after new pipe is laid.

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

Non-Project Action. The City has two railroads lines; BNSF and UP both of which are not within the project area.

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

None. Non-project Action.

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

Since the roadways mainly provide access to a small residential population no large transportation impacts are anticipated. However, to reduce impacts all work within the traveled way of any roadway shall be limited to the hours between 7:30 a.m. to 4:30 p.m., unless otherwise approved by the City Engineer.

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.

Increased need for public services is not anticipated.

- 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.

In general, all underlined utilities are available to properties within the City of Sumner.

- 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.

The project will involve replacement of an existing water main for the City of Puyallup between Salmon Springs and an existing chlorination compound. The existing water main will remain in place to maintain service during construction, to provide redundancy in case of a seismic event, and to minimize the destruction of sidewalks, road ways and grassed areas.

17. SIGNATURE

I, the undersigned, swear under the penalty of perjury that the above responses are made truthfully and to the best of my knowledge. I also understand that, should there be any willful misrepresentation or willful lack of full disclosure on my part, the agency may withdraw any determination of non-significance that it might issue in reliance upon this checklist.

Signature:



Name: Charles T. Hill

Date Submitted: 03-15-18