



SEPA ENVIRONMENTAL CHECKLIST

A. Background

1. Name of proposed project, if applicable:

PATTISON TRI-LAKES STATION REPLACEMENT PROJECT

2. Name of applicant:

Public Utility District No. 1 of Thurston County (Thurston PUD)

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

Kim Gubbe, Director of Planning and Compliance
1230 Ruddell Rd SE
Lacey, WA 98503
360-357-8783 ext. 125

4. Date checklist prepared:

6/6/22

5. Agency requesting checklist:

Washington State Department of Health.

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

Anticipated notice to proceed with construction August 2023. Anticipated completion of construction August 2024.

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

There are no plans to expand the water system or to pursue other construction or updates aside from the current proposal.

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.

None.

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

A project design and construction plans must be approved by the Washington State Department of Health. No other project specific approvals or permits are anticipated.

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.)

Replacement of existing booster pumps in existing booster station building.

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.

The site is located on TPN 80370100000 and 80410100000, located at 9412 Tri Lake Dr SE, Olympia, WA. Latitude 47.00180553, Longitude -122.74054373, located in the NE ¼ of the SE ¼, Section 36, Township 18 N., Range 01 W., WM.

B. Environmental Elements

1. Earth

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

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

Less than 5%

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.

Glacial recessional outwash underlies the project site. NRCS soils classification is Spanaway gravelly loam.

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

No; site is relatively flat with outwash soils.

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.

None.

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

No clearing or construction proposed.

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

Existing impervious area is approximately 1000 sf. No new impervious surfaces proposed.

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

N/A.

2. Air

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.**

Minor emissions during construction from operation of installer's vehicles. No new emissions result from the completed project.

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

None known.

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

none.

2. Water

3.

a. **Surface Water:**

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.**

No surface water bodies on site. Water bodies in the vicinity include: Lake Saint Clair (0.5 miles) and Long Lake (1.0 miles). No known streams or natural channels exit in the vicinity of the project 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 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:

- 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.**

Yes. Groundwater is withdrawn through approved wells for distribution to customers for domestic use and municipal supply. Water right certificate G2-25092C authorizes the withdrawal of up to 100.0 acre feet per year (afy) and 250 gallons per minute (gpm) for supply the Pattison 500 Water System, ODW ID 66578.

- 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

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.**

No new impervious areas or grading are proposed.

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

No such impacts anticipated.

- 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:**

None.

4. Plants

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

X Deciduous tree: Alder, maple, aspen, other

X Evergreen tree: Fir, cedar, pine, other

X Shrubs

X 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?**

None

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

None

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

None

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

No known occurrences of noxious weeds are located in or near project areas.

5. Animals

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.**

Birds: Hawk, eagle, songbirds,

Mammals: Mazama Pocket Gopher (MPG)

Fish: N/A

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

Area soils identified as "Mazama Pocket Gopher Indicator Soils, Less Preferred". No construction activities or site alterations are proposed however.

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

The site is located within the Pacific Flyway. Identified migratory birds include Bald Eagle, Black Swift, Evening Grosbeak, Lesser Yellowlegs, Olive Sided Flycatcher, Rufous Hummingbird, Short-billed Dowitcher.

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

None.

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

None identified.

6. Energy and Natural Resources

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

Electric energy used to power pumps, and all other electronic equipment and assets within pumphouse.

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:

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.

1) Describe any known or possible contamination at the site from present or past uses.

Area is within the <20 ppm zone from Asarco Smelter Plume.

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 identified.

- 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.**

None anticipated.

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

None identified.

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

N/A

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.**

Minor noise during construction phase. No noise is associated with the completed project.

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

Construction work to be generally limited to Monday through Friday between 7 am and 7 pm.

8. Land and Shoreline Use

- 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.**

Current use of site is operation of existing municipal well and open space.

- 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 non-forest 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.

Existing pumphouse and concrete reservoir.

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

No.

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

McAllister Geologically Sensitive Area.

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

Lacey Urban Growth Area (UGA), MGSA

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

Not Applicable

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

Yes; McAllister Geologically Sensitive Area.

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

None.

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

None.

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

None.

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

None; the water facilities are compatible with existing zoning. There are no new construction activities planned, only minor retrofit of interior of existing facilities.

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

None.

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.

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

None.

10. *Aesthetics*

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

No new structures proposed.

- 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?**

No impacts anticipated.

- b. **Could 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 identified.

- 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?**

Community walking along roads. WSWF boat launches at Lake St. Claire/boating and fishing.

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

No. The subject area is fenced and gated and does not provide any public access.

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 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.

None Known.

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.

None Known.

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.

An Archeological/Historical investigation was performed by Antiquity Consulting; Antiquity consulting is in the process of completing an archeological report for the project area.

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

14. Transportation

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.

Site served by 51st AVE SE. and Meridian RD SE.

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?

Bus Service, nearest stop 0.2 miles away at Tri-Lake Drive at Tri-Lake Loop stop.

- 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).**

No.

- 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?**

No change from existing, which is approximately 1 vehicular trip per day for inspection and maintenance of wells and water works. Typical vehicle access by PUD's fleet of light and medium duty trucks. Occasional (approx. once per year) access by heavy trucks (pump truck, small crane, or drill rig).

- 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:**

None.

15. Public Services

- 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.**

None.

16. Utilities

a. **Circle utilities currently available at the site:**

Power (electric); water, phone.

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 new services needed.

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:  _____

Name of signee: Kim Gubbe

Position and Agency/Organization: Director of Planning and Compliance – Thurston PUD

Date Submitted: 6/23/2022