

SEPA ENVIRONMENTAL CHECKLIST

UPDATED 2014

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

1. Name of proposed project, if applicable: Donation Pump Station Upgrade and Donation Force Main
2. Name of applicant: City of Kelso
3. Address and phone number of applicant and contact person: Michael Kardas, P.E. Kelso Community Development Director, 360.747.8434

4. Date checklist prepared: March 12, 2022
5. Agency requesting checklist: City of Kelso
6. Proposed timing or schedule (including phasing, if applicable): Construction in 2022/2023
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. W-1304A Geotechnical Slope Assessment
9. Do you know whether applications are pending for governmental approvals or of other proposals directly affecting the property covered by your proposal? If yes, explain. No
10. List any government approvals or permits that will be needed for your proposal, if known.
 - Administrative Decision
 - Setback Variance
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.)

Upgrade the existing Donation sanitary pump station. The improvements include:

 - 450 S.F. CMU utility building with a 9'-8" wall height and a lean-to style metal roof. The building will be surrounding by a concrete block security and screening wall 6' high. Two person doors are to be located on the south elevation. A wet well access area and access gate are to be located on the west elevation.
 - A replacement diesel powered emergency generator measuring 3'-4" wide 15' long x 7'9" high.
 - Valve vault replacement on the west end between the building and the street. The vault will be surrounded on three sides by a 2-foot high curb wall.
 - Utilities and general site improvements.

Force Main:

 - Replace the existing 8" force main within 4th Ave. with a 16" HDPE force main running south from the pump station approximately 1, 150 lineal feet.
 - No additional environmental impacts anticipated with the new force main.
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.

North 4th Avenue, Kelso WA. SEC 26 T8N R2W Lot 22455, Property ID 3036854

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)? 35%-40% at east end outside of the pump station project area. 4th St. road bed is generally flat
- 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. Alluvial sand and gravel in flats and Troutdale Formation on slopes
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. Yes. Past general instable slopes and landslide along N 4th Ave. in 2009.
- 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.
The existing site, within the footprint of the improvements, will be cleared, graded and resurfaced to facilitate the operational needs of the facility. A combination of asphalt and concrete surfacings will be constructed to facilitate both vehicular and pedestrian access to the site, equipment and pump station building. Approximately 9 cubic yards of material will be cut from the site and approximately 18 cubic yards of material will be filled on the site to construct the improvements. Fill material is expected to be aggregate material transported to the site from a commercial quarry and cut material is anticipated to be hauled and disposed of offsite at a location intended for this use.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
The construction sites for the pump station and force main are flat. Construction will be subject to Kelso Engineering and Design Manual
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? 25% of the pump station site. 100% of the existing paved street.
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Construction activity will comply with the recommendations of the geotechnical reconnaissance report and the Kelso Engineering and Design Manual related to erosion control.

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. General construction activity and use of the emergency diesel generator when necessary.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. No other sources of emissions or odor other than that described in Sections 2.a and 2.c.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:
The sanitary pump station equipment will be housed within a concrete building. The valve vault will be underground. The force main will be buried under the street.

3. Water

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.
The Cowlitz County EPIC mapping system indicates a possible fish bearing stream running diagonally through the western portion of the site. The WA DNR Forest Practices Application Mapping Tool indicates the presence of a fish bearing stream east and uphill of the site. WA WDFW PHS mapping system does not indicate a stream on site. Kelso city staff indicate that the stream was filled in in the prior century as part of the local diking system. There is no evidence of a stream on site today.
- 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. 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. The project is to upgrade the Donation sanitary pump station and install a force main in the street. The

improvements will improve reliability and should help reduce the possibility of unanticipated sewage discharge. No waste discharge to the ground is anticipated with this project.

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. Storm water runoff from the site will follow existing drainage patterns and enter the existing storm sewer collection system within N 4th Avenue which conveys flows offsite.
- 2) Could waste materials enter ground or surface waters? If so, generally describe. The proposed improvements will reduce the likelihood of waste water entering ground or surface waters.
- 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: The project will comply with the Kelso Engineering and Design Manual standards.

4. Plants

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? Established grass in the project area will be disturbed. No construction activity will occur on the forested slope above the construction site with the exception of tree trimming and vegetation maintenance. The force main will primarily be under the paved street and road shoulder. A small section of unpaved right of way will require the removal of blackberry bushes and other brush.

c. List threatened and endangered species known to be on or near the site. None known

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: The project will comply with the Kelso requirements and standards for landscaping applicable to the RSF-5 zone.

- e. List all noxious weeds and invasive species known to be on or near the site. None known

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. Examples include:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other:

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

- b. List any threatened and endangered species known to be on or near the site. None known

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

- d. Proposed measures to preserve or enhance wildlife, if any: None required

- e. List any invasive animal species known to be on or near the site. None known

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 service is currently provided by Cowlitz PUD and will continue to serve the upgraded pump station.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. No, the building is low scale

- 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. The on-site standby diesel generator will be contained behind a 6-foot high concrete wall and chain link fence.

1) Describe any known or possible contamination at the site from present or past uses. The use is a sanitary pump station. The existing underground diesel tank will be decommissioned, and new storage tank located above ground with the standby generator.

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 known

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
- 5) Proposed measures to reduce or control environmental health hazards, if any: The project will comply with Kelso Engineering and Design Manual and applicable state regulations relating to diesel storage tanks and standby generators.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? The neighborhood is a low density residential area. Vacant lots are to the south. The existing pump station sits below the eastern hill. All operations will occur within the concrete pump station building or below ground.
- 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. General traffic noise and intermittent use of the standby generator.
- 3) Proposed measures to reduce or control noise impacts, if any: Operations will be contained within the pump station building. The standby generator will include an enclosure rated for Level II sound attenuation (63-78 dBA) and will be enclosed by a 6-foot concrete wall.

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. The current use is a sanitary pump station. Adjacent lots are either vacant or used for single family residential use.
- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? The property is not used for or designated for farm use.
 - 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 concrete pump station building and below ground vaults. Paved street over the force main.
- d. Will any structures be demolished? If so, what? Yes, the existing pump station building will be replaced by a 450 S.F. concrete pump station.
- e. What is the current zoning classification of the site? RSF-5 for the pump station. Public right-of-way for the force main.
- f. What is the current comprehensive plan designation of the site? Residential and right-of-way.
- g. If applicable, what is the current shoreline master program designation of the site? None

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. Yes, steep slopes to the east outside of the pump station project 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 needed
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: The applicant will apply for a city administrative review and for a variance to the front yard setback standard.
- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: There are not agricultural or forest lands nearby.

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? Pump station building will be less than 14 feet high with an exterior composed of CMU. Force main will be below the street level.
- 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? Outdoor safety light to be used at the pump station as needed.
- 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
- 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? Kelso School District site to the north includes outdoor play fields.
- 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: 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 located on or near the site? If so, specifically describe. The existing pump station was constructed in the early 1950s and is not eligible for listing in a local, state, or national register. The street is not eligible for listing.
- 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. The site is within an area DAHP indicates may have a high probability of archaeological resources. The proposed project will take place within the footprint of the existing pump station building except for excavating and grading necessary to install the site surfacing improvements and utility installation. The force main will be installed in an existing paved road.
- 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. GIS consultation
- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. The city will comply with the state inadvertent discovery rules.

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. N 4th Ave.
- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? No
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? None

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). No
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. Local street system and I-5 located further east will not be impacted by operation of the pump station or force main.
- 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? Potentially 2-4 ADT's associated with site monitoring and maintenance. No vehicle trips associated with the Force main.
- 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

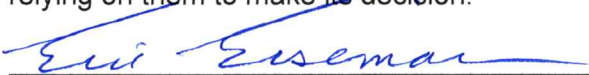
- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. No
- b. Proposed measures to reduce or control direct impacts on public services, if any. None

16. Utilities

- a. Circle utilities currently available at the site:
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. The project is to upgrade an existing sanitary pump station and install a new force main in the street. Electric, potable water service is available on-site.

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 Eric Eisemann

Position and Agency/Organization Principal, E² Land Use Services

Date Submitted: March 18, 2022