# 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* [HELP]

1. Name of proposed project, if applicable:

   *Reservoir No. 4 Project*

2. Name of applicant:

*Tracy Coleman, City of Woodland, Public Works Director*

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

*Address: 230 Davidson Ave, P.O Box 9, Woodland, WA 98674*

*Phone Number: 360-225-7999*

4. Date checklist prepared:

*9/29/2022*

5. Agency requesting checklist:

*City of Woodland*

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

*The Reservoir No. 4 Project is scheduled for Bid/Ad in March/April of 2023 and construction is expected to be complete in January of 2024.*

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.

*No.*

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

*Grading, fill and building permits from the City of Woodland will be required for construction of the reservoir; coverage under the DOE CSWGP will be required; and a SEPA checklist will need to be completed for this project.*

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

*The project proposed to construct a new potable water storage reservoir, known as Reservoir No. 4, with a nominal volume of 1.5 million gallons on the City of Woodland Water Treatment Plant site. The reservoir will provide storage and needed service pressure to meet anticipated peak day and fire flow demands.*

*The new reservoir will be a glass-fused to steel bolted reservoir. The base of the tank will be at ground level with a 106-foot diameter and 29-foot height. The tank will be located to the northeast of the existing Water Treatment Plant and have the same overflow elevation as the*

*existing Reservoir No. 3. Once Reservoir No. 4 is online and operational the existing 500,000-gallon Reservoir No. 2 will be removed from service and demolished.*

*The project includes resurfacing of the existing gravel access road with HMA and extension of the road to the new reservoir. Site piping, storm, fencing, restoration, electrical, telemetry, and instrumentation are included.*

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 proposed reservoir will be constructed at the Woodland Water Treatment Plant site with an address of 130 Scott Hill Road. The property consists of Cowlitz County Parcels No. 508020100 and 508030100 and is accessed from Scott Hill Road which connects to Old Pacific Highway. The entire project is within City of Woodland property, easement, and/or right-of-way.*

## *B. Environmental Elements* [HELP]

### 1. *Earth* [help]

a. General description of the site:

*The project site has the City of Woodland water treatment plant building along with a maintenance building, water booster station, two ponds, two active water reservoirs and one abandoned reservoir, and a gravel access road. The remainder of the site is an open area with grass. The site slopes gradually from the southeast to the northwest with flat areas at existing reservoirs. The proposed improvements will construct a new reservoir to the northeast of the water treatment plant in the open area. The existing road will be paved with HMA and extended to the new reservoir.*

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

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

*Approximately 35%*

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.

*The NRCS Soil Survey classifies on-site soils as Kelso silt loam.*

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

*Per the Resource Map from the Washington State Department of Natural Resources (DNR), there are landslide hazards or unstable slopes near the proposed project sites. A deep-seated rotational*

*landslide hazard is mapped to the west of Scott Hill Road adjacent to Old Pacific Highway. Rock buttresses were placed on the toe of the slope for stabilization after a slide in 2000. Another deep-seated rotational hazard is mapped directly to the west of the project site. No landslide hazards or unstable slopes are mapped on the project site.*

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.

*Installation of the proposed 1.5 million gallon reservoir and asphalt roadway will require excavation of approximately 2,000 CY of earth to be wastehauled off-site and replaced with Crushed Surfacing per WSDOT standards. Import Crushed Surfacing shall meet the requirements of the current edition of the WSDOT Std. Specifications and will come from a local source.*

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

*Temporary Erosion and Sediment Control BMPS will be installed and maintained throughout construction.*

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

*The existing site of 6.98 ac has approximately 1.52 ac of impervious surfaces including the existing reservoirs, buildings, and roadway. Construction of a new reservoir and asphalt roadway will add approximately 0.26 ac of impervious surfaces.*

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

*Temporary Erosion and Sediment Control BMPS will be installed during construction to reduce and control potential erosion due to construction activities.*

### *2. Air* [help]

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.

*There will be dust generated during construction that will be mitigated through the efforts of the contractor. Once the project is complete and restoration is completed there will be minimal dust generated. The only emissions produced are likely to be a result of construction equipment associated with the construction of the project.*

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

*Dust may be generated during construction that will be mitigated through the efforts of the contractor. The only emissions produced are likely to be a result of construction equipment associated with the construction of the project.*

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

*Watering of the construction site/access to mitigate dust generation.*

## *3. Water* [help]

a. Surface Water: [help]

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.*

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.

*No fill or dredge material will be placed in surface water or wetlands.*

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, according to the FEMA Flood Map Service Center.*

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: [help]

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.

*No waste material will be discharged as a part of these projects.*

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.

*Stormwater Runoff will be generated from proposed and existing impervious surfaces. Existing stormwater facilities will convey runoff prior to and after construction of the project.*

2) Could waste materials enter ground or surface waters? If so, generally describe.
*No*

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.
*Existing drainage patterns will be fully maintained.*

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:
*Erosion Control BMPs will be installed prior to construction of the project to protect and maintain existing drainage patterns. Restoration of paved areas will not change existing drainage patterns.*

## *4. Plants* [help]

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

__X_ deciduous tree: alder, maple, aspen, other
__X_ evergreen tree: fir, cedar, pine, other
_____ shrubs
__X_ 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?
*New roadway construction and construction of the new reservoir will require clearing and grubbing of grass areas including removal of organics and topsoil at ground surface. Approximately 0.26 ac of vegetation will be removed; disturbed areas adjacent to roadway improvements and areas disturbed due to grading for the reservoir will be restored.*

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:
*Disturbed areas adjacent to roadway improvements and areas disturbed due to grading for the reservoir will be restored in kind with topsoil and hydroseed.*

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

## 5. *Animals* [help]

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.

*The site is previously developed/cleared, it is anticipated that wildlife may be encountered during construction due to the surrounding rural area and site location..*

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. The adjacent property to the east is mapped by the Washington Department of Fish & Wildlife as containing areas of priority habitat for the big brown bat (Eptesicus fuscus). This species is not listed as threatened or endangered.*

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

*Cowlitz County is part of the Pacific Flyway route.*

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

*No proposed measures.*

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

*None known.*

## 6. *Energy and Natural Resources* [help]

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.

*The proposed reservoir will require electrical telemetry equipment for reservoir monitoring.*

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:

*No conservation features or proposed energy reduction measures are included for this project.*

## 7. *Environmental Health* [help]

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 health hazards are identified aside from typical construction hazards. Contractor will perform daily construction safety meetings prior to beginning work.*

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

*None known.*

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.
*No toxic or hazardous chemicals will be stored, used or produced during the project's development or construction.*

4) Describe special emergency services that might be required.
*None.*

5) Proposed measures to reduce or control environmental health hazards, if any:
*Not applicable.*

*b. Noise*

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
*Existing traffic will be present along the roadways during construction but the noise generated will not effect 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.
*Short-term noise associated with the project would include construction noise. This noise would be limited to daytime/working hours. Long-term noise will not be generated as part of the project.*

3) Proposed measures to reduce or control noise impacts, if any:
*None.*

## *8. Land and Shoreline Use* [help]

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 currently owned by the City of Woodland and used for public utilities. The proposed construction of a new reservoir is consistent with existing land use. Adjacent properties are low density residential and public land and land use on these properties will not be affected by the proposed project.*

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?
*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.

*Structures currently on site include the water treatment plant, the maintenance building, and three reservoirs on site.*

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

*The existing Reservoir No. 2 will be decommissioned and demolished.*

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

*Per the City of Woodland Zoning map, the entirety of the project is within Public/quasi-public institutional zoning.*

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

*Not applicable.*

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.

*No part of the site has been classified as a critical area by Cowlitz County EPIC gis mapping.*

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

*The construction of the proposed reservoir is on City owned property where the water treatment plant and additional reservoirs are located. The site is visited routinely for operation of the water treatment plant and maintenance and observation of reservoirs by the City's crews.*

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:

*Construction of the proposed reservoir will not impact existing and projected land use and plans.*

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

*Not applicable.*

## *9. Housing* [help]

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* [help]

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
*The proposed reservoir is composed of a concrete foundation with a glass-fused to bolted-steel exterior and a height of 29-feet.*

b. What views in the immediate vicinity would be altered or obstructed?
*None.*

b. Proposed measures to reduce or control aesthetic impacts, if any:
*Not Applicable.*

### *11. Light and Glare* [help]

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
*None.*

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* [help]

a. What designated and informal recreational opportunities are in the immediate vicinity?
*None.*

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:
*Not Applicable.*

### *13. Historic and cultural preservation* [help]

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.

*No.*

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.

*Not applicable.*

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.

*Not applicable*

## *14. Transportation* [help]

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.

*The site is accessed by a gravel access road from Scott Hill Road which connects to Old Pacific Hwy.*

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. No public transit is available in the area.*

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 new improvements will be made to existing roads, streets, pedestrian,bicycle or state transportation facilities within public right-of-way. The existing gravel access road will be resurfaced with HMA and extended to the new reservoir.*

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 non-passenger vehicles). What data or transportation models were used to make these estimates?

*No additional vehicular trips per day will be generated by the construction of this project.*

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:

*Not applicable.*

### *15. Public Services* [help]

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.

*Not applicable.*

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

*Not applicable.*

### *16. Utilities* [help]

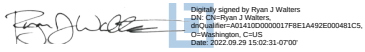
a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

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 consists of construction of a new 1.5-million-gallon reservoir and a paved access road. Electricity for the reservoir will be provided by Cowlitz County PUD.*

## *C. Signature* [HELP]

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:  _____

Digitally signed by Ryan J Walters
DN: CN=Ryan J Walters, dnQualifier=A01410D000001 7F8E1A492E000481C5, O=Washington, C=US
Date: 2022.09.29 15:02:31 -07'00'

Name of signee Ryan J. Walters, P.E. _____

Position and Agency/Organization Project Manager, Gibbs & Olson, Inc. _____

Date Submitted: September 29, 2022

## *D. Supplemental sheet for nonproject actions* [HELP]

(**IT IS NOT NECESSARY** to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent 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.