

**APPENDIX J**  
**SEPA AND SERP APPLICATIONS**

## WAC 197-11-960 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 observation 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:

City of Woodland General Sewer Plan/Facility Plan

2. Name of Applicant:

City of Woodland, Washington

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

Rob VanderZanden, P.E.

Phone: (360) 225-7999

P.O. Box 9, Woodland, WA

Zip 98674

4. Date checklist prepared March 12, 1999

5. Agency requesting checklist: City of Woodland, Washington

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

The General Sewer Plan/Facility Plan (GSP/FP) includes a recommended Phase I improvement program that is scheduled to be completed by December 31, 2001 and provide wastewater treatment capacity for the City of Woodland through the year 2009. It is anticipated that the recommended Phase II improvements will be constructed in 2009 and will provide treatment capacity through 2023.

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

Yes, the General Sewer Plan/Facility Plan recommends improvements related to wastewater conveyance and treatment to comply with existing treatment and water quality standards and to provide capacity for the City of Woodland through 2023.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

The GSP/FP identifies a number of environmental and physical conditions in the planning area and evaluates the potential impact of the existing and future discharge on Water Quality in the Lewis River. To ensure water quality standards are met, the Water Quality evaluation resulted in recommending use of ultraviolet light for disinfection and construction of an equalization basin to control the discharge during low river flow conditions. An SRF checklist has been completed and is included in the GSP/FP.

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.

**Do not know.**

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

**The City of Woodland will need to adopt the General Sewer Plan/Facility Plan and the Washington State Department of Ecology (DOE) will need to approve it. A Shoreline Permit will be required for construction.**

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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 proposal is a General Sewer Plan/Facility Plan for the City of Woodland's sewer collection, conveyance and treatment system. The Plan was prepared in accordance with the requirements of WAC 173-240-050 and 173-240-060. The sewer system serves an existing population of approximately 3,570 persons. The plan includes information on the existing system and proposals for improvements to the system.**

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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 City of Woodland sewage collection and treatment system extends to all or part of Sections 12, 13, 14, 23, and 25 of Township 5 North, Range 1 West, Willamette Meridian; and Sections 7, 8, 17, 18, 19, and 30 of Township 5 North, Range 1 East, Willamette Meridian. The treatment plant is located at 100 Treatment Plant Road in Woodland, and the discharge is at latitude 45°54'04" and longitude 122°44'10".**

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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)?

**Most areas in the planning area have slopes which are less than 2%. Exceptions to this are hills to the north and east of the planning area which have slopes up to 25%.**

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.

**Soils throughout the service area are sand, sandy loam or silty loam. Much of the surrounding land is farm land or pasture land.**

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

**No.**

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

**The existing dike will be extended to an area adjacent to the site to protect the site from flooding. Approximately 11,000 cubic yards of material will be used of which 3,200 cubic yards will come from moving the existing dike and excavations. The remaining will come from nearby gravel pits.**

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

**Localized soil erosion could occur on material excavated and stockpiled for re-use as native backfill.**

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

**Approximately 20% of the proposed WWTP site will be covered with impervious surfaces when construction is complete including the area of proposed treatment basins.**

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

**Project specifications will require the construction contractor to prevent soil erosion from occurring during construction activities by having and following an approved erosion control plan.**

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.

**Emissions to the air during construction would be from construction equipment such as backhoes, dozers, and dump trucks. Once project is complete, no emissions to the air will occur.**

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

**Does not apply.**

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

**None.**

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.

**Columbia River and Lewis River (tributary to Columbia River), and Horseshoe Lake (is fed from the Lewis River and releases water back into the Lewis River)**

- 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.

**Yes, effluent discharge pipeline work will occur within 200 feet of the Lewis River. Plans are not available at this time. Project plans and specifications will contain requirements for soil erosion control and surface water protection.**

- 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 - Does not apply.**

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

**None - Does not apply.**

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

**The existing WWTP site is located entirely within the 100-year floodplain and is protected by a dike.**

- 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.

**Existing sewage treatment plant discharges treated wastewater to Lewis River under current NPDES Permit. Annual average flow is approximately 0.393 million gallons per day (MGD). Discharge of treated effluent will continue after project completion and will meet all water quality and treatment standards for an estimated year 2023 annual average flow of 1.4 MGD.**

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 - Does not apply.**

c. Water Runoff (including storm water):

- 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.

**Runoff from covered structures and lab building will be collected in gutters and routed to below grade infiltration basins.**

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

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:  
Areas subject to spill will be designed for containment (i.e. biosolids loading area). Other areas will be planted with grass. Parking is anticipated to be gravel.

4. **Plants**

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

- deciduous tree: alder, maple, aspen, other
- evergreens tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bulrush, 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?  
Grass will be removed and replanted.

c. List threatened or 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:  
Does not apply.

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: **owls, gulls, blackbirds, osprey**

mammals: deer, bear, elk, beaver  
other: **field rodents**

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

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

**Bald eagles. Certain salmon & steelhead stocks in the Lewis River may be listed as endangered species in the near future.**

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

**General area is part of migration route for waterfowl such as Canadian geese and various ducks. Lewis River is a migration route for salmon & steelhead.**

- d. Proposed measures to preserve or enhance wildlife, if any:  
**None are anticipated. Site is already developed.**

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.

**Electricity for running the aeration systems at the sewage treatment plant and for heating the lab building.**

- 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:

**Interior lighting in lab building will use fluorescent light fixtures. All buildings will be insulated properly to reduce heating/cooling requirements. Economic evaluation will be performed to determine if high efficiency or premium efficiency motors are cost effective for electrical treatment process equipment.**

**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.

**None.**

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

**None.**

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

**None.**

**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.

**Moderate construction noise associated with improvements proposed by this plan can be anticipated during regular work hours. Aeration blowers will run continuously.**

- 3) Proposed measures to reduce or control noise impacts, if any:  
**Construction activities will be limited to daylight hours, except for special circumstances. Aeration blowers will be equipped with silencers and be housed in a building.**

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties?  
**The City's existing WWTP is located on the proposed site of the recommended WWTP improvements. The plan recommends that the City obtain 2 acres for plant expansion. Currently the land recommended to be purchased by the City is vacant.**
- b. Has the site been used for agriculture? If so, describe.  
**No.**
- c. Describe any structures on the site.  
**Existing structures at the current WWTP include a headworks facility, a primary clarifier basin, basins containing biological contactor shafts and media, a secondary clarifier basin, a chlorine contact basin with effluent pump station, an aerobic digestion basin, a lab building, a maintenance building, a motor/control building, an emergency power generator, and a flood protection dike around the perimeter of the plant site.**
- d. Will any structures be demolished? If so, what?  
**Yes, the headworks, the primary clarifier basin, the biological contactor basins, and the secondary clarifier basin will be demolished. The chlorine contact basin may also be demolished.**
- e. What is the current zoning classification of the site?  
**Public/Quasi Public/Institutional.**
- f. What is the current comprehensive plan designation of the site?  
**Public/Quasi Public/Institutional.**
- g. If applicable, what is the current shoreline master program designation of the site?  
**Does not apply.**

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

**No.**

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

**There will be two (2) full time operators.**

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

**None.**

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

**Does not apply.**

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

**Does not apply - use is compatible.**

9. **Housing**

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

**Does not apply.**

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

**Does not apply.**

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

**Does not apply.**

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?

**Lab building height will be 10-12 feet at its highest point. Building will be concrete block with metal roofing. Process basins will be up to 24 feet tall, but are anticipated to have 15-20 feet of this height constructed below grade. Basins will be cast-in-place concrete.**

TO BE COMPLETED BY APPLICANT

EVALUATION FOR  
AGENCY USE ONLY

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

**None - Does not apply.**

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

**Does not apply.**

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. 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?

**Fishing, boating, outdoor recreation, etc.**

- 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 - Does not apply.**

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.**

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

**None known.**

- c. 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.

**The WWTP is served by a City street. Access from this street will remain.**

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

**Does not apply.**

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

**Does not apply.**

- 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).

**No.**

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

**Water, air and rail transportation are available in Woodland, however, they will not be utilized by the WWTP. The WWTP is located next to a small airport used by a few private planes.**