

This SEPA checklist was submitted and approved as part of the permitting process for the 2014 WWTP Improvements project  
**WAC 197-11-960 Environmental checklist.**

ENVIRONMENTAL CHECKLIST

*Purpose of checklist:*

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

*Instructions for applicants:*

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

*Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:  
**City of Washougal Wastewater Treatment Plant Upgrades**
2. Name of applicant:  
**City of Washougal, Washington**
3. Address and phone number of applicant and contact person:  
**Trevor Evers, Public Works Director**  
**City of Washougal**  
**1701 C Street**  
**Washougal, WA 98671**  
**Phone: (360) 835-8501**
4. Date checklist prepared:  
**November 15, 2013**

## 5. Agency requesting checklist:

**City of Washougal, Washington**

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

**In order to accommodate projected increases in wastewater flow and to address existing wastewater treatment plant deficiencies, the City plans to implement improvements to the existing wastewater treatment plant (WWTP) in two remaining phases. All improvements will occur on the existing WWTP site. Phase I improvements were completed in 2012. Phase 2 is scheduled to begin in summer 2014. Phase 3 is scheduled to begin between 2018 and 2021.**

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

**The improvements proposed are based on year 2030 projections of population for the City. Wastewater flows for year 2030 have been established in the Facility Plan based on residential, commercial, and industrial growth and public uses. Additional facility planning and expansion will occur to meet the needs of the community and respond to environmental regulations as needed.**

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

**A Wetland Delineation Report was prepared and concurred in June 2004. A SEPA Checklist was prepared in association with the Facilities Plan in December 2008. Ecology required the preparation of an Environmental Report (ER) for Facility Plan approval in the event the City would seek future funding through USDA Rural Development. A No Effects Determination for ESA-Listed and Candidate Species and Wetland Mitigation Plan were prepared and included as an appendices to the ER. These documents were prepared in 2011.**

## 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.

**There are no pending applications for governmental approvals related to the WWTP site.**

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

**City of Washougal Planning Department, Washington Department of Ecology, and US Army Corps of Engineers permits and approvals (Wetland Application, Critical Area for Fish & Wildlife Habitat Conservation Areas, Critical Area for Aquifer Recharge Areas, Critical Area for Frequently Flooded Areas review, SEPA checklist, JARPA and Section 401 Water Quality Certification).**

**City of Washougal Building and Grading permits will need to be obtained, as well as Construction Storm Water permit through Ecology.**

## 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 involves construction and expansion at the existing WWTP.**

**Phase 1 improvements were primarily for maintenance and were completed in 2011 and 2012. The improvements included Operations Building improvements, Utility Shop Expansion, and dredging sludge lagoon cells #2, #3 and #4.**

**Phase 2 improvements include:**

- **Construction of a new influent pump station to supplement the capacity of the existing pump station**
- **New oxidation ditch distribution structure**

- **New Oxidation Ditch #2**
- **Modifications to existing Oxidation Ditch #1**
- **New UV disinfection system within a new building**
- **New plant water pumps for in-plant water needs**
- **New effluent pumping system within the UV building**
- **New force main to a connection to the existing force main at the existing effluent pump station**
- **Site work including paving, grading, flood protection berm improvements, site security, site process piping (including stub-outs and sections of pipe for Phase 3 facilities where economically appropriate), erosion and sediment control, and stormwater drainage**
- **New standby generator in the existing UV Building**
- **Stormwater decant facility with cover located on a fill pad constructed within Lagoon Cell 1**

**The design of Phase 2 components will take into account future components that will be constructed during Phase 3 and future construction projects to the extent that can be anticipated.**

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 Washougal WWTP is located south of Washington State Route (SR) 14, approximately 0.5 mile east of 32nd Street, near the Port of Camas/Washougal Industrial Park complex (Figures 1 and 2). The legal description is Township 1 North, Range 4 East, Section 16 (Property ID 71079001), Willamette Meridian. Latitude 45° 34' 18" N, longitude is 122° 19' 22" W.**

## 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)?  
**The steepest slope on the site is approximately 15%.**
- 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.  
**The soils underlying the WWTP site are Sauvie silt loam and silty clay loam.**
- 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.  
**Filling and grading will be required for the proposed improvements. There is a berm around the south and west perimeter of the WWTP in order to prevent flood waters from inundating the portion of the site that houses the treatment unit processes. If necessary, the berm will be raised or extended to perform its original function. In addition, fill will be placed within Sludge Storage Lagoon #1 to create a building pad for the UV/Effluent Pumping Facility and the Decant Facility. Fill will be obtained from a combination of sources: from the existing fill stockpile that is located on the south side of the existing oxidation ditch, from excavations for the Flow Distribution Structure and Oxidation Ditch, and from off-site sources, is additional fill is required.**  
**New roadways will be designed to match existing. Roadways will have a minimum width of 12 feet. Asphalt roadways will be crowned or cross-sloped to drain at 2 percent. There will be no sidewalks or curbs.**  
**Several new buildings will be constructed. The UV Treatment/Effluent Pump Station Building will be a one-story structure. The Decant Facility Building will also be a one-story structure.**  
**The Oxidation Ditch Flow Distribution Structure and Oxidation Ditch #2 will be partially below-grade.**
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.  
**Erosion could potentially occur as a result of grading or construction. Erosion control measures will be designed based on the grading and stormwater system design. The majority of the site is flat and therefore not subject to significant runoff. Standard best management practices (BMPs) and erosion control measures will conform to Ecology's requirements and be implemented during construction to minimize the potential for offsite transport of sediment.**
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?  
**Approximately 5-7% of the site will be covered with impervious surfaces after construction of the improvements. This includes impervious surfaces that existed prior on the site prior to construction.**
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:  
**Temporary measures to control erosion will be included in the contractor's specifications and follow the City of Washougal's Engineering Standards for Public Works Construction. Typical BMPs for erosion control include, but are not limited to: silt fencing, straw wattles, mulch berms and sediment traps.**

## 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.

**Short term and temporary air emissions will be generated during construction of the WWTP improvements. Typical emissions generated during construction include diesel exhaust and dust. The completed WWTP will have odor control facilities to prevent offsite migration of odors, including a enclosed headworks. No long term generation of air emissions are anticipated from the completed project. Implementation of the project is not expected to affect regional air quality such that ambient air quality standards promulgated under Chapter 173-470 Washington Administrative Code (WAC) will be exceeded.**

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

**No.**

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

**Construction practices at the WWTP site will incorporate measures to reduce windblown dust and construction equipment exhaust, such as use of water trucks and minimizing equipment idling.**

## 3. Water

- a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

**The City's WWTP is located in a low-lying area near the Columbia River just east of the Port of Camas-Washougal (Port) industrial area. The site is protected from Columbia River flooding by a levee system. However, flooding can occur at the site due to runoff from Campen Creek, Gibbons Creek, Steigerwald Lake, and other interior drainage basins (USACE, 2012).**

**The Campen Creek basin drains approximately 1.9 square miles along the eastern edge of the city, then flows into Gibbons Creek, which drains an additional 5.1 square miles of upland areas east of the city. Gibbons Creek then flows south under State Route (SR) 14 into the lower basin (USACE, 2012).**

**A diversion structure is located just downstream of the SR 14 crossing; up to 70 cubic feet per second (cfs) is diverted into a bypass channel and conveyed across the lower floodplain to the Columbia River. The bypass channel flows into a fish ladder that then discharges to the river by gravity through an 84-inch diameter culvert that penetrates the levee. Gibbons Creek flows exceeding 70 cfs at the diversion structure spill west into the lowland floodplain areas along the Gibbons Creek remnant channel.**

**An area covering 2.5 square miles east of the Gibbons Creek bypass channel drains to Steigerwald Lake. Overflows from the lake flow through two 48-inch culverts under the Gibbons Creek bypass channel into the Gibbons Creek remnant channel. As the Gibbons Creek remnant channel flows west it collects runoff from an additional 1.7 square miles of drainage area, including some residential areas north of SR 14 and the industrial area near the Port. The remnant channel flows through 16-foot span concrete pipe arch culverts at 28th and 32nd Streets. The channel then bifurcates just upstream of the Columbia River levee.**

**When the Columbia River is at normal stage, the Gibbons Creek remnant channel drains by gravity through a 72-inch diameter culvert that penetrates through the levee. However, when the river stage gets above the culvert outlet, a flap gate closes and water from the Gibbons Creek remnant channel is**

**pumped over the levee via a pump station that is owned and operated by the Port. The pump station consists of three identical 200-horsepower pumps; each pump has a capacity of 30,000 gallons per minute (gpm), providing a total combined capacity of 90,000 gpm.**

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

**The proposed project will occur on the existing WWTP site. Construction of the Oxidation Ditch is located within existing site wetlands.**

- 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.

**A wetland delineation has been completed and a figure illustrating the boundary of the wetland area is attached. Approximately 15,000 cubic yards of soil will be excavated for the construction of the oxidation ditch; about 30% of this, or 4,500 cubic yards will be removed from within the wetland boundary. Excavated material will be used as fill to create the fill pad within Lagoon #1 for the UV/Effluent Pump Station Building.**

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

**No surface water withdrawals or diversions will be required.**

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

**The current effective FIRMs for the City of Washougal were revised in based on a Flood Insurance Study (FIS) completed for Clark County in September 2012 (FEMA Flood Insurance Rate Map [FIRM] #53011C0554D). The map shows nearly the entire WWTP site to be within a "Zone A" flood hazard area, which is a Special Flood Hazard Area (SFHA) corresponding to inundation by the "base flood," or the flood that has a 1-percent annual chance of occurrence (i.e., 100-year flood event).**

**There is a berm around the south and west perimeter of the WWTP in order to prevent flood waters from inundating the portion of the site that houses the treatment unit processes. If necessary, the berm will be raised or extended to perform its original function.**

- 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 discharge of waste materials to surface waters will occur as a result of the proposed project. Standard construction BMPs will be implemented to prevent construction materials from entering surface waters.**

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 ground water will be withdrawn and no water will be discharged to ground water.**

- 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 into the ground from septic tanks or other sources.**

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 from the site is currently held in an onsite detention pond inside the berm before it is discharged through a manually-controlled outlet structure to a ditch outside the berm. The ditch carries stormwater to the adjacent wetlands. Stormwater detention and levels outside the berm are managed by the Port of Camas-Washougal's stormwater pump station. The pump station pumps stormwater to a tidally influenced section of the Columbia River.**

**Stormwater runoff for the improved WWTP site will be handled in this same manner, so detention will not be required for stormwater runoff. Stormwater quality features will be incorporated into the design as required by the *Stormwater Management Manual for Western Washington* by Ecology.**

**Per Ecology standards, a SWPPP will be prepared and submitted to the City and provided to the contractor in the contract document.**

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

**It is not anticipated that any waste materials will enter ground or surface waters. Standard construction BMPs at the WWTP will include erosion and sediment control, and spill prevention countermeasures.**

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

**Standard construction BMPs to reduce or control offsite migration of sediment or chemicals may include, but not be limited to, silt fencing, straw wattles, compost berms, hydroseeding, plastic sheeting or visqueen, and temporary dewatering.**

4. Plants

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

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

**Vegetation to be disturbed includes a 0.41 acre portion of on-site wetland.**

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

**No listed threatened or endangered plant species are known to occur on-site or near the site.**

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

**The plant site is currently not landscaped and landscaping improvements are not a part of the project.**

## 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: **waterfowl**

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

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

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

**No listed threatened or endangered animal species are known to occur on-site or near the site.**

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

**Yes, Washougal is within the Pacific Flyway zone, a major north-south route of travel for migratory birds in the Americas.**

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

**None.**

## 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 will be used for lighting and all mechanical processes. In general, electrical systems for this project will be heavy-duty industrial type with design emphasis placed on safety, reliability, maintainability, and economics. New materials and equipment will be specified which withstand the corrosive and hazardous conditions associated with WWTPs and have a normal life expectancy of 20 years.**

**EPA System Design Criteria requires that two separate and independent sources of electric power shall be provided for essential plant loads. The existing standby generator is aged and lacks sufficient capacity to supply the additional loads to be installed in Phase 2 and Phase 3. This engine generator supplies standby power to the entire plant electrical system, essential and non-essential loads alike. To facilitate economy in equipment sizing and operating costs, consideration will be given to segregating the new electrical system into essential and non-essential loads and providing standby power for the essential loads only. An evaluation will be performed during the early part of detailed design to define which existing and new plant loads are essential.**

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

**No, the project would not affect the potential use of solar energy by adjacent properties.**

- 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:

**Energy conservations feature will include installation of high efficiency ultraviolet light bulbs for disinfection of the final effluent, use of premium efficiency motors on all mechanical equipment, and use of energy efficient high output T5 lighting in buildings and LED lighting for site lighting.**

## 7. Environmental Health

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

**No environmental health hazards are anticipated to occur as a result of this proposal.**

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

**No special emergency services are anticipated.**

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

**Use and enforcement of health and safety guidelines. Standard construction BMPs will include spill prevention and cleanup kits.**

**b. Noise**

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

**No noise exists in the area that may affect the proposed 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.

**Construction activities will generate additional temporary, short term noise during general daylight hours (7 AM to 5 PM). Long term noise will include operation of the WWTP and is negligible in comparison to the current operational noise.**

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

**Construction equipment will include noise-muffling devices. No other noise reduction or control measures are anticipated to be necessary for the project.**

**8. Land and Shoreline Use**

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

**The site is occupied by the existing WWTP. Adjacent properties include parks and open space. Residential areas are located to the north across SR-14.**

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

**No.**

- c. Describe any structures on the site.

**The WWTP structures include a headworks building, influent and effluent pump stations, oxidation ditch, two secondary clarifiers, scum pump station RAS/WAS pump station, four sludge lagoons and UV disinfection building.**

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

**No existing structures will be demolished.**

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

**The site is currently zoned as Public Facilities.**

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

**The Comprehensive Plan designation of the site is Public Facilities.**

- g. If applicable, what is the current shoreline master program designation of the site?  
**The Shoreline Master Program designation does not apply.**
- 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 five full time employees that work at the site after project completion.**
- 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:  
**The proposed project is part of the Washougal and Clark County Comprehensive Plans. The City Council will approve all measures with regards to the proposed project.**

## 9. Housing

- 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

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?  
**The UV Treatment/Effluent Pump Station Building will be a one-story structure. The structure is principally masonry block. The Decant Facility Building will also be a one-story structure. This structure is concrete with a steel roof. The height of both of these structures will be approximately 15 feet. The height of the new oxidation ditch will be equivalent to the existing oxidation ditch (approximately 10 to 12 feet above grade). The oxidation ditch will be constructed of concrete.**
- b. What views in the immediate vicinity would be altered or obstructed?  
**No views will be altered or obstructed.**
- c. Proposed measures to reduce or control aesthetic impacts, if any:  
**The view of the oxidation ditch from the south and southeast will be obscured by the flood protection berm.**

## 11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?  
**The proposed project will utilize outdoor lighting consistent with the current plan (i.e., lighting parking area and exterior facilities) for security purposes. Care will be taken to minimize the unwanted effects of outdoor lighting that illuminates areas beyond the boundaries of the plant. Lights are not directed into the natural areas adjacent to the WWTP.**
- 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:  
**New or modified exterior lights will not be directed into adjacent natural areas.**

## 12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?  
**A ball field, jogging trail and playground are located in a residential area north of the site, across SR-14. The Steigerwald Lake Natural Wildlife Resource area is southeast of the site.**
- b. Would the proposed project displace any existing recreational uses? If so, describe.  
**No existing recreational uses would be displaced.**
- 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

- 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.  
**There are no places or objects listed on, or proposed for national, state or local preservation registers on the site or adjacent to the site.**
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.  
**No landmarks or evidence of historic, archaeological, scientific, or cultural importance are known to occur on or adjacent to the site.**
- c. Proposed measures to reduce or control impacts, if any:  
**Not applicable.**

## 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.  
**SR 14 serves the site. No access disruption is scheduled during the project.**
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

**No, the site is not currently served by public transit. C-TRAN operates two bus lines on Addy Street, just north of SR-14 from the site through a residential area.**

c. How many parking spaces would the completed project have? How many would the project eliminate?  
**The total amount of parking spaces will not change as a result of the proposed project.**

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).  
**New roadways within the site will be designed to match existing. Roadways will have a minimum width of 12 feet. Asphalt roadways will be crowned or cross-sloped to drain at 2 percent. There will be no sidewalks or curbs.**

e. Will the project 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? If known, indicate when peak volumes would occur.  
**Vehicular trips per day increase will be negligible. The majority of the vehicular trips would occur by Operations and Maintenance personnel traveling to and from the site. Peak volumes would likely occur during morning and evening commutes.**

g. 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, health care, schools, other)? If so, generally describe.  
**No, the proposed project will not result in an increased need for public services.**

b. Proposed measures to reduce or control direct impacts on public services, if any.  
**Not applicable.**

**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.  
**New or re-routed power lines will be installed by the local agency to operate new process equipment at the WWTP, such as the influent pumps, oxidation ditch distribution system, UV disinfection system, new water pumps, new Operations and Laboratory building. A contractor will install WWTP plant piping.**

**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.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR  
AGENCY USE ONLY

Signature: .....

Date Submitted: .....

## D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not 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?

**The proposal is responding to population growth in the area and the need for wastewater treatment. Development leads to incremental increases in discharges to water, air emissions, toxic or hazardous substance releases and production of noise. This project is not solely responsible for an increase in development, which could result in an increase in pollutants.**

Proposed measures to avoid or reduce such increases are:

**The proposal will utilize BMPs and incorporate measures to reduce discharges to water, air emissions and production of toxic or hazardous substances, and production of noise.**

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

**The indirect effects from the project would include possible disruption in migratory and feeding patterns during construction.**

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

**Facilities that occupy the site include lagoons and oxidation structures. The rest of the site is paved. The proposal includes utilizing plants for stormwater treatment. Increased wastewater treatment will provide a beneficial effect for fish and wildlife that utilize the Columbia River.**

3. How would the proposal be likely to deplete energy or natural resources?

**Indirect effects do not include depletion of energy or natural resources.**

Proposed measures to protect or conserve energy and natural resources are:

**Conservation measures would be employed to minimize impacts to energy and/or natural resources.**

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?

**The proposal includes impacts to wetlands. Wetland impacts will likely be mitigated at the Columbia River Wetland Mitigation Bank although the availability of credits is uncertain. If credits are not available, the City will mitigate wetland impacts through the development of on-site replacement wetlands. Existing decommissioned sludge storage lagoon #4 will be used for the on-site replacement wetlands.**

Proposed measures to protect such resources or to avoid or reduce impacts are:

**Wetland impacts would be minimized as much as possible, but due to the location of the existing facility and the need to respond to population growth, there is limited space to locate new facilities.**

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?

**There should be no indirect effects to these resources.**

Proposed measures to avoid or reduce shoreline and land use impacts are:

**Not applicable.**

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

**There should be no indirect effects to increasing demands on transportation, public service and/or utilities.**

Proposed measures to reduce or respond to such demand(s) are:

**Not applicable.**

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

**This proposal does no conflict indirectly with local, state or federal laws for the protection of the environment.**