

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: [\[help\]](#)

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: [\[help\]](#)

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: [\[help\]](#)
City of Dayton Water System Plan
2. Name of applicant: [\[help\]](#)
City of Dayton

3. Address and phone number of applicant and contact person: [\[help\]](#)
Karen Scharer, AICP, Planning Director
City of Dayton
111 South First Street
Dayton, WA 99328
509-382-2361
4. Date checklist prepared: [\[help\]](#)
February 5, 2015
5. Agency requesting checklist: [\[help\]](#)
Washington State Department of Health
6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)
Approval of Water System Plan - Spring/Summer 2015, implementation of improvement projects identified in plan over 6-year and 20-year planning periods.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)
The Water System Plan identifies improvements to the City of Dayton's water system that need to take place over the next 6 and 20 years to meet Dayton's projected water needs and be able to supply a safe and reliable amount of water to its residents.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)
Gray & Osborne, Inc., completed a Wellhead Protection Plan as part of the City's April 2001 Water System Plan. That plan is incorporated into this Water System Plan. The existing Wellhead Protection Plan identifies the susceptibility and vulnerability of Dayton's groundwater wells through delineations, analysis, and identification of existing and potential contamination sites.
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. [\[help\]](#)
No.
10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)
The Water System Plan needs to be approved by the Washington State Department of Health, Office of Drinking Water. The Department of Ecology will review and may comment on the Water System Plan, but this is not required.
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.) [\[help\]](#)
The Water System Plan is a document covering all aspects of the City's water system. The plan includes projected water demands for the next 20 years (2014-2034) and identifies capital improvement projects that are needed over the next 20 years to meet the needs of Dayton. The plan covers physical facilities (wells, reservoirs, waterlines), operational plans, source

water protection, financial status of the water system, and projected costs of the improvements. The area covered under this plan is the City's existing, retail, future, and water rights place of use water service areas.

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. [\[help\]](#)

The location of the proposal encompasses the City's existing, retail, future, and water rights place of use water service areas. The above water service areas include the City limits, the majority of the Urban Growth Area (UGA), and existing services outside the UGA. Portions of the UGA were excluded from the City's water service areas due to existing topography and water features.

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

1. Earth

a. General description of the site [\[help\]](#)
(circle one): Flat, rolling, hilly, steep slopes, mountainous,
other _____

The City of Dayton lies in the Touchet River valley at the confluence of the Touchet River and Patit Creek.

The valley floor is relatively flat (slopes are less than 1 percent) with the minimum elevation of 1,557 feet above sea level and a maximum elevation of 2,085 feet within the city limits. The valley is bordered by moderate to steep sloping hillsides (slopes of 30 to 40 percent) to the north and east respectively and steep hillsides (slopes of 50 to 90 percent) in the southern portion of the community at Rock Hill bluff.

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)
~30 to 40 percent

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. [\[help\]](#)

The major soil's association in the study area is the Patit Creek Hermiston Association and the Athena-Palouse Association. The Patit Creek-Hermiston-Onyx Association is characterized as having nearly level, well drained, medium textured soils that formed in alluvium. Some of these soils are gravely or cobbly. The Athena-Palouse Association can be described as being dominantly strongly sloped, to moderately steep, well drained, medium textured soils that formed in wind-laid silts. Farmland exists outside the UGA, but no land within the UGA is zoned farmland.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)
Steep slopes surrounding the Touchet River valley.
- 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. [\[help\]](#)
No filling or grading is identified or proposed in this Water System Plan. However, capital improvement projects outlined in the plan, such as new waterlines, typically require filling or grading as part of the project. Quantities needed will not be known until project designs are completed.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)
With the exception of the Front Street Drain Line Project, erosion is not anticipated for any of the capital improvement projects described in the Water System Plan. Erosion could potentially occur in the steep portions of the pipe alignment for the Front Street Drain Line Project. Erosion and sediment best management practices (BMPs) and controls would be specified in the construction contract documents for this project. Contractor would be required to comply with contract document provisions.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#)
New waterlines do not create impervious surfaces although they are usually placed under streets that are impervious. A new pump station building would create an impervious area. The extent of these areas are not known in this Water System Plan and will not be known unless Dayton proceeds with a project and completes design of the project.
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)
Any potential erosion as a result of these projects should be minimal. Any necessary measures to reduce or control erosion will be determined during project design and incorporated into an Erosion Control Plan.

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. [\[help\]](#)
No air emissions are projected from the completion of this Water System Plan. Construction of capital improvement projects described in the plan would create automobile and industrial equipment emissions as part of construction, but no emissions following completion of the projects.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)
No.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)
Not applicable.

3. Water

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. [\[help\]](#)
Touchet River, Patit Creek, and Mustard Hollow. Several wetlands have been mapped and included in the U.S. Fish and Wildlife Service's National Wetlands Inventory Database. These wetlands are hydrologically connected to the Touchet River and occur within the City's UGA.
- 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. [\[help\]](#)
Some waterline projects may be within 200 feet of a stream. The Water System Plan does not identify any particular stream on the capital improvement project list. This information will be determined during the design of the project.
- 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. [\[help\]](#)
The amount and location of fill and dredge material to be placed in or removed from surface water or wetlands is not identified in the plan. This information will be determined during the design of the project.
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)
No.
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)
According to FEMA's Flood Insurance Rate Maps (FIRM's), portions of the area lie within a 100-year floodplain. Much of the City of Dayton is protected from flooding due to levees constructed along the Touchet River.
- 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. [\[help\]](#)
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. [\[help\]](#)
The City currently withdraws groundwater for potable water use.

- 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. [\[help\]](#)
None.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. [\[help\]](#)
None.

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)
Some pollutants associated with general construction could potentially enter 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:

Any necessary measures to reduce or control erosion will be determined during project design and incorporated into an Erosion Control Plan.

4. **Plants** [\[help\]](#)

- a. Check the types of vegetation found on the site: [\[help\]](#)

- _X_ deciduous tree: alder, maple, aspen, other
X evergreen tree: fir, cedar, pine, other
X 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? [\[help\]](#)

Some incidental vegetation may be removed or altered as a result of the completion of this Water System Plan. Specific kind and amount of vegetation would be determined during project design.

- c. List threatened and endangered species known to be on or near the site. [\[help\]](#)
Listed plant species occur within Columbia County, but none are known to be within the City of Dayton's UGA.
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)
Completion of all capital improvement projects, described in this Water System Plan, will include landscaping which will enhance vegetation on project sites. This includes planting of native trees and shrubs and removal of invasive noxious weeds.
- e. List all noxious weeds and invasive species known to be on or near the site.
Yellow starthistle, Mediterranean sage, Japanese/Bohemian knotweed, Leafy spurge, cheatgrass, and rattle grass.

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: [\[help\]](#)
 birds: **HAWK, HERON**, eagle, **SONGBIRDS**, other:
 mammals: **DEER**, bear, elk, **BEAVER**, other: **WILD TURKEY, PHEASANT, QUAIL, DUCKS, AND GEESE**
 fish: bass, **SALMON, TROUT**, herring, shellfish, other: **STEELHEAD**
- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)
The Touchet River, a major tributary of the Walla Walla River, supports populations of ESA listed Mid-Columbia Basin steelhead and bull trout.
- c. Is the site part of a migration route? If so, explain. [\[help\]](#)
The Touchet River is a migration route for various species of fish including ESA listed juvenile and adult steelhead and adult bull trout. The reach of the Touchet River, which flows through Dayton, has been identified as a "Priority Area" for fish recovery in both the Walla Walla Subbasin Plan and the Snake River Salmon Recovery Plan.
- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)
The Water System Plan does not degrade wildlife or wildlife habitat.
- e. List any invasive animal species known to be on or near the site.
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. [\[help\]](#)
The Water System Plan does not require any energy following completion. Electricity would be used to run pumps, valves, and telemetry during project construction.
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)
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: [\[help\]](#)
The Water System Plan includes a conservation plan to reduce water usage by Dayton customers. A reduction in water usage would reduce electrical usage by the City to pump water and conserve energy.

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. [\[help\]](#)

No.

- 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.
- 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.
Calcium hypochlorite used for disinfection of potable water.
- 4) Describe special emergency services that might be required.
An emergency response plan is part of the Water System Plan. No special emergency services will be required from completion of the Water System Plan.
- 5) Proposed measures to reduce or control environmental health hazards, if any:
Follow Material Safety Data Sheet instructions and recommendations for handling and using calcium hypochlorite.

b. Noise

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

No noise currently exists which might affect the Water System Plan.

- 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. [\[help\]](#)

Construction noise would be created during the construction of any capital improvement project described in the Water System Plan. No noise would be created after completion of a project.

Short-term: All noise created by the projects would be intermittent and temporary in nature and confined to project sites during daylight hours (6:00 a.m. to 6:00 p.m.) for the duration of the project. Construction noise may be audible to residents in surrounding neighborhoods. Commuters and pedestrians traveling in the vicinity of the project may notice temporary noise. Any noise generated in these areas will dissipate quickly as

commuters and pedestrians distance themselves from the source. Since the proposed work is transitory, the impact to surrounding areas is temporal and not anticipated to result in continuous exposure at harmful levels.

Long-term: None.

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)
Not applicable.

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. [\[help\]](#)
The Water System Plan covers the City of Dayton's water service area within the UGA. Current uses within the City are varied.

- 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? [\[help\]](#)

As the City of Dayton has grown, land that once was used for agriculture has been turned into residential, commercial, and industrial areas. Only limited portions of land within the UGA are currently being used for agriculture.

- 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:
None anticipated.

- c. Describe any structures on the site. [\[help\]](#)
Structures that may be constructed as part of capital improvement projects for the water system include pump buildings.

- d. Will any structures be demolished? If so, what? [\[help\]](#)
It is unknown at this time if any structures will require demolition as a result of the construction of several of the capital improvement projects.

- e. What is the current zoning classification of the site? [\[help\]](#)
The City of Dayton has over seven different zoning classifications within the City UGA. The Water System Plan describes projects that would serve all of those classifications.

- f. What is the current comprehensive plan designation of the site? [\[help\]](#)
Primarily residential.

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)
Not applicable.

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)
Not applicable.

- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)
The projected population of the City of Dayton at the end of the Water System Plan time period (2026) is 3,139.
- j. Approximately how many people would the completed project displace? [\[help\]](#)
The Water System Plan and its capital improvement projects would not displace any people.
- k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)
Not applicable.
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)
The Water System Plan will be incorporated into the City's comprehensive plan, which determines specific water, sewer, transportation, parks, schools, fire and police, and other City services to ensure it is compatible with existing and projected land uses.
- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:
Conformance with City and Columbia County existing and projected land uses and plans.

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)
The Water System Plan does not provide any housing units, but does provide plans to serve the expected growth in housing. A number of housing units will be provided as a result of the City's growth over the planning period of the Water System Plan.
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)
No housing would be eliminated or completion of any of the planned projects suspended as a result of the Water System Plan.
- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)
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? [\[help\]](#)
The Water System Plan proposes the construction of new pump station buildings. The new pump stations would be made of concrete masonry units (CMU) approximately 12 feet high. The final height depends on size and final design of the pump station buildings.
- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)
No views would be altered or obstructed as a result of the completion of the Water System Plan or any of the proposed projects.
- c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)
None.

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)
The Water System Plan and its associated projects will not produce any light or glare.
- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)
Not applicable.
- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)
Not applicable.
- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)
Not applicable.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)
The City has various parks and recreational areas within the UGA that the Water System Plan covers.
- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)
No.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)
Not applicable.

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. [\[help\]](#)
The City of Dayton has three historical districts listed on the National Register of Historic Places - two residential and one commercial. These are the Southside National Historic District, Washington Street National Historic District, and Downtown Dayton National Historic District. There are also several individual residences listed outside the districts. In addition, there is one district listed on the Dayton Register of Historic Places - the Downtown Dayton Historic District. There are also several individual listings of houses on the Dayton Historic Register. In both the national and Dayton Historic Districts, buildings are designated as primary/contributing or non-contributing. Included among these is the oldest existing railroad station in Washington (1881) and the Columbia County Courthouse, the oldest Washington State Courthouse still in use. The areas in which these landmarks are located are shown in the historic overlay map shown in the City of Dayton Comprehensive Plan.
- 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. [\[help\]](#)
The City of Dayton Environmental Report for Water System Improvements, Phase I (Anderson Perry & Associates, Inc. - 2003), which included a review of cultural resources within the City.

- 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. [\[help\]](#)

The City of Dayton Environmental Report for Water System Improvements, Phase I (Anderson Perry & Associates, Inc., 2003), which included a review of cultural resources within the City.

- 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.

An Unanticipated Discovery Plan for cultural resources was required for the City's 2004 Water System Improvements Project. The City adopted the Confederated Tribes of the Umatilla Indian Reservation "Policy and Procedure Manual for the Repatriation of Ancestral Human Remains and Funerary Objects". That plan or similar plan would be utilized for future construction projects. Previously, the Tribes and other organizations were contacted in 2003 as part of the preparation for an environmental report for waterline replacements throughout the City, including 100 percent of the proposed project areas.

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. [\[help\]](#)
Capital Improvement projects outlined in the Water System Plan would be accessed by various streets with the UGA of the City of Dayton.
- 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? [\[help\]](#)
Columbia County Public Transportation (CCPT) is available to all residents of Columbia County as well as to residents of Waitsburg and Dixie located in adjacent Walla Walla County. The majority of trips are to Walla Walla. The nearest transit stop is Waitsburg, which is 10 miles away from Dayton.
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)
Not applicable.
- 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). [\[help\]](#)
No new roads or streets will be required as a result of the completion of this Water System Plan.
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)
Some work may be in the vicinity of existing railroad tracks, but should not affect rail traffic.

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? [\[help\]](#)

Not applicable.

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.

Proposed construction of water system improvements will temporarily affect traffic in the City.

h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

Utilize traffic control plans for safety and to minimize transportation impacts.

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. [\[help\]](#)

The Water System Plan would not create an increased need for public services. The Water System Plan is a planning tool to provide a public service to meet growth within the City of Dayton.

b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

Not applicable.

16. Utilities

a. Circle utilities currently available at the site: [\[help\]](#)

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system (outside City), 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. [\[help\]](#)

The Water System Plan would not require any utilities to be completed. Capital improvement projects in the plan completed would require electricity and water service.

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: David Jepsen PE

Name of signee DAVID JEPSEN PE

Position and Agency/Organization PROJECT ENGINEER, ANDERSON PERKINS + ASSOCIATES, INC.

Date Submitted: 3/12/15

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?
No increase of these elements is anticipated since the future water demand is projected to be less than in 2014.

Proposed measures to avoid or reduce such increases are:

The City has adopted water use efficiency goals and a plan to meet these goals.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?
Proposed construction of water system improvements are within existing public rights-of-way and easements and should not affect these elements.

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

None.

3. How would the proposal be likely to deplete energy or natural resources?
No. Water demand is anticipated to decrease in the future.

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

Implement City's water use efficiency plan.

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 construction of water system improvements listed in the Water System Plan may impact historic or cultural resources.

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

For internally funded projects, the City will have an Inadvertent or Unanticipated Discovery Plan in place to handle discovery of historic or cultural items.

For projects funded with state or federal monies, a Historical Cultural Survey will be performed prior to starting construction.

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?
The City's Water System plan should not affect land and shoreline use. The City and Columbia County wil review and certify that the Water System Plan is consistent with adopted comprehensive plans, development regulations, and other policies.

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

Follow City's comprehensive plan and development regulations.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?
No. Water demand is anticipated to decrease.

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

None.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.
None identified.