



**DETERMINATION OF
NONSIGNIFICANCE**

Lake Tapps Reservoir 5-Year Maintenance Plan

Description of proposal:

Lake Tapps Reservoir 5-Year Maintenance Plan: Ongoing maintenance and repairs to reservoir, including but not limited to:

- *Maintenance and repair of tunnel in-take facilities and associated trash rack;*
- *Maintain and repair gates, fences, and barricades;*
- *Graffiti cleanup and painting;*
- *Grading and graveling of roads;*
- *Routine building and sign maintenance;*
- *Maintain and repair fish screen and fish return;*
- *Boat launch maintenance;*
- *Log boom maintenance, including replacing rotting logs;*
- *Maintain, repair and/or replace buoy equipment and signs;*
- *Maintenance of various valve, gauge, and pipeline facilities;*
- *Backflow preventer maintenance;*
- *Inspect, maintain and repair measurement equipment, such as the weir and piezometer;*
- *Maintain ditch system, including repair damaged culverts;*
- *Debris and trash removal;*
- *Removal of dangerous stumps and downed dangerous trees;*
- *Removal of noxious, non-native, invasive vegetation;*
- *Aquatic plant control (Eurasian milfoil); and*
- *Maintenance and repairs to dike surfaces, including replacement of retaining block wall / rockery with rockery or quarry spalls.*

Proponent and Lead Agency: *Cascade Water Alliance*

Location of proposal, including street address, if any:

Lake Tapps Reservoir is east of Tacoma, Washington, lying within the City of Bonney Lake and north central Pierce County, Washington and in the northwestern portion of the Puyallup/White River Water Resource Inventory Area (WRIA) 10. All

work will be done within the Lake Tapps Reservoir under Cascade Water Alliance ownership.

Threshold Determination: *The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist, dated June 28, 2017 (attached) and other information on file with the lead agency. This information is available to the public on request.*

There is no comment period for this DNS.

This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the date of signature below. Comments must be submitted by *July 12, 2017*.

There is no agency appeal.

Responsible Official: *Michael A. Gagliardo*

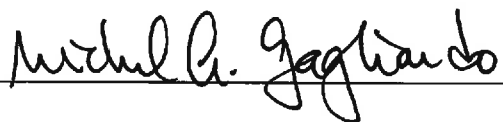
Position/Title: *Director of Planning*

Phone: *425-4543-0930*

Address: *520 112th Avenue NE, Suite 400, Bellevue, WA 98004*

Date: *June 28, 2015*

Signature:



Attachment: SEPA Checklist, dated June 28, 2017.

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

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

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals: [\[help\]](#)

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

1. Name of proposed project, if applicable:

Lake Tapps Reservoir – 5-Year Maintenance Plan

2. Name of applicant:

Cascade Water Alliance
Attn: Michael Gagliardo, Director of Planning

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

520 112th Avenue NE, Suite 400
Bellevue, WA 98004
(425) 283-0368
www.cascadewater.org

4. Date checklist prepared:

June 28, 2017

5. Agency requesting checklist:

Cascade Water Alliance

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

Annual Maintenance (2017 – 2022). See attached 5-Year Work Plan.

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

Periodic updates to the annual Maintenance Plan.

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

- Final Environmental Impact Statement, Lake Tapps Reservoir Water Rights and Supply Project– June 16, 2010
- Lake Tapps Integrated Aquatic Vegetation Management Plan (IAVMP), prepared by Tetra Tech, dated January 2015
- Pierce County Exemption from Shoreline Management Act – February 28, 2017
- Washington Department of Fish and Wildlife HPA #129605-1 – June 5, 2013; Expires June 4, 2018
- Washington Department of Fish and Wildlife HPA #2016-6-260+1– June 3, 2016; Expires October 31, 2020
- State of Washington Department of Ecology NPDES – March 2, 2016; Expires March 31, 2021
- DNS for Lake Tapps Reservoir 5-Year Maintenance Plan - June 2017

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No.

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

Cascade Water Alliance – SEPA Determination

City of Bonney Lake – Shoreline Exemption

Pierce County – Shoreline Exemption

Washington Department of Fish & Wildlife – Hydraulic Permit (HPA #129605-1)

Washington State Department of Ecology – General Permit

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.)

Ongoing maintenance and repairs to reservoir, including but not limited to:

- Maintenance and repair of tunnel in-take facilities and associated trash rack;
- Maintain and repair gates, fences, and barricades;
- Graffiti cleanup and painting;
- Grading and graveling of roads;
- Routine building and sign maintenance;
- Maintain and repair fish screen and fish return;
- Boat launch maintenance;
- Log boom maintenance, including replacing rotting logs;
- Maintain, repair and/or replace buoy equipment and signs;
- Maintenance of various valve, gauge, and pipeline facilities;
- Backflow preventer maintenance;
- Inspect, maintain and repair measurement equipment, such as the weir and piezometer;
- Maintain ditch system, including repair damaged culverts;
- Debris and trash removal;
- Removal of dangerous stumps and downed dangerous trees;
- Removal of noxious, non-native, invasive vegetation;
- Aquatic plant control (Eurasian milfoil); and
- Maintenance and repairs to dike surfaces, including replacement of retaining block wall / rockery with rockery or quarry spalls.

Reference attached 5-Year Work Plans.

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.

Lake Tapps Reservoir is east of Tacoma, Washington, lying within the City of Bonney Lake and north central Pierce County, Washington and in the northwestern portion of the Puyallup/White River Water Resource Inventory Area (WRIA) 10.

All work will be done within the Lake Tapps Reservoir under Cascade Water Alliance ownership.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

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

N/A The Lake Tapps Reservoir is manmade with some aquatic vegetation along the outer edges of the waterbody. The reservoir is used for recreational purposes and is also a reservoir used for water storage. The dike systems are vegetated with grass, some shrubs, gravel shorelines, and rock armouring and/or ecology blocks, which are essential to maintaining the reservoir.

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

N/A All work would be done waterward of the OHWM and will not affect riparian and upland slopes.

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.

N/A

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

N/A

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.

N/A

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

N/A

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

N/A

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

N/A

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.

During maintenance activities: Exhaust from boats to access the reservoir and emissions from construction equipment necessary to remove retaining block walls / rockeries and replace with rockeries of quarry spalls.

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

N/A

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

N/A

3. Water

a. Surface Water:

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

Yes, the White River. The subject site is the Lake Tapps Reservoir.

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

No. All work will occur waterward of the OHWM within the reservoir.

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.

N/A

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

No.

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

Yes. The reservoir is within the Lake Tapps' shoreline.

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

N/A

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.

N/A

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

No.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No.

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

N/A

4. Plants

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

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

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

The 5-Year Maintenance Plan includes: vegetation management to control non-native, noxious, invasive plant species, including Eurasian milfoil; removal of dangerous stumps; and removal of downed dangerous trees.

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

None known within the reservoir.

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

Natural reestablishment of native aquatic plants is anticipated after control of non-native plants.

e. List all noxious weeds and invasive species known to be on or near the site.

Noxious and invasive species that may be present in the reservoir include, but are not limited to blackberry, tansy ragwort, Japanese knotweed, and Eurasian milfoil.

5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

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

mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other _____

According to the Lake Tapps IAVM Plan, the following birds have been identified in the area: bald eagle, osprey, pileated woodpecker, barn swallow, violet-green swallow, tree swallow, mallard, great blue heron, cedar waxwing, common crow, belted kingfisher, Canada goose, various gulls, and killdeer.

According to the Lake Tapps IAVM Plan, fish composition within the Lake Tapps Reservoir includes common carp, black crappie, cutthroat trout, mountain whitefish, rainbow trout, sculpin, red-side shiner, bluegill, yellow perch, tiger musky, smallmouth bass, rock bass, largescale sucker, and kokanee.

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

None known.

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

The site is located within the Pacific Flyway migratory bird route which extends the length of coast North America. The Lake Tapps Reservoir is an artificial waterbody with a diversion canal on the inflow that prohibits anadromous fish passage.

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

N/A

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

According to the Lake Tapps IAVM Plan above, Asian clam may be present in the area.

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.

N/A

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:

N/A

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. Federally-approved, and state-approved aquatic herbicides will be applied by a licensed applicator according to herbicide label specifications.

- 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.

N/A

- 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.

Federally-approved, and state-approved aquatic herbicides will be applied by a licensed applicator according to herbicide label specifications.

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

None anticipated. However, the licensed applicator will provide necessary PPE during application, as required by the herbicide label.

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

The licensed applicator will provide necessary PPE during application, as required by the herbicide label.

b. Noise

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

During maintenance activities: Noise from boats to access the reservoir and from construction equipment necessary to remove retaining block walls / rockeries and replace with rockeries of quarry spalls.

- 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.

N/A

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

N/A

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The Lake Tapps Reservoir is manmade with some aquatic vegetation along the outer edges of the waterbody. The reservoir is used for recreational purposes and is also a reservoir used for water storage. The system of dikes is essential to maintaining the reservoir.

Adjacent property uses include residential, parks, golf course, and roads. Proposed activities will enhance the uses on the reservoir as well as the adjacent properties. The proposal will not affect current land uses on nearby or adjacent properties.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

The site is a reservoir that does accommodate in-lake structures, including docks, boat launches, boat ramps, as well as dike structures.

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

No. However, failing retaining block walls / rockeries will be removed and replaced with rockery or quarry spalls.

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

N/A Open water reservoir – manmade lake.

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

N/A Water supply and recreation.

g. If applicable, what is the current shoreline master program designation of the site?

N/A The subject site is a manmade reservoir.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No.

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

None.

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

None.

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

N/A

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

N/A

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

N/A

9. Housing

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

N/A

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

N/A

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

N/A

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?

N/A

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

N/A

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

N/A

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

N/A

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

N/A

- c. What existing off-site sources of light or glare may affect your proposal?

N/A

- d. Proposed measures to reduce or control light and glare impacts, if any:

N/A

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

Water sports, boating, fishing.

- b. Would the proposed project displace any existing recreational uses? If so, describe.

No. The project is anticipated to improve and enhance recreational uses by reducing the density of non-native plant species, removing debris, and improving the structural integrity of the reservoir's dike systems.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

To the extent practicable, any necessary control measures would be implemented during low recreational use periods.

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? If so, specifically describe.

No. However, the White River Project was recorded by the National Parks Service Historic American Engineering Record on the National Register of Historic Places.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

None known.

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

N/A

- 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.

N/A

14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

N/A

- 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?

N/A

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

N/A

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No.

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

All work will occur within the waters of the Lake Tapps Reservoir.

- 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?

N/A

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

- h. Proposed measures to reduce or control transportation impacts, if any:

N/A

15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

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

N/A

16. Utilities

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

N/A

- 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.

N/A

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Michael A. Gagliardo

Name of signee: Michael A. Gagliardo

Position and Agency/Organization: Director of Planning; Cascade Water Alliance

Date Submitted: June 28, 2017