



City of Monroe
806 West Main Street, Monroe, WA 98272
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www.monroewa.gov

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:

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

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. BACKGROUND

1. Name of proposed project, if applicable:

Department of Corrections Second Reservoir

2. Name of applicant:

City of Monroe

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

Kim Klinkers, City of Monroe, kklinkers@monroewa.gov, 360-863-4531

806 W. Main Street, Monroe, WA 98272

4. Date checklist prepared:

January 24, 2020

5. Agency requesting checklist:

City of Monroe

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

Anticipated construction start date is in September 2020.

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

There are not any future, anticipated plans related to this project.

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

Geotechnical Report, Prepared by HWA Geosciences

Wetland Reconnaissance, Prepared by Perteet

- 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 other proposals affecting the property currently.

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

Conditional use, building, and plumbing/mechanical permits are needed for this proposal from the City of Monroe. Washington Department of Health must approve the project report prior to construction.

- 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.)

This project proposes to construct an additional 0.85 million gallon potable water storage tank / reservoir to serve the City of Monroe 330 Pressure Zone. The proposed tank is proposed to be located immediately adjacent to one of the City's existing water storage reservoirs on the Department of Corrections property. The parcel containing the project is approximately 595 acres, but the project will disturb less than one acre of the parcel.

- 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.

Project is located on Washington State Department of Corrections (DOC) property within the City of Monroe: parcel 27061100100500. The parcel address is 17000 West Main Street, Monroe, WA 98272, and is located in Section 11, Township 27N, Range 6E. The reservoir will be located next to the existing reservoir on the southwestern portion of the DOC property.

B. ENVIRONMENTAL ELEMENTS

1. Earth

- A. General description of the site
(Circle one): Flat, rolling, hilly, steep slopes, mountainous,
other:

The area of proposed work generally consists of slopes up to 15%. Man Made 3:1 slopes exist around the existing reservoir, and an area of steep slopes exists south of the proposed work.

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

Within the area of project work, steepest natural slopes are approximately 15%, with some existing man-made slopes of approximately 33%. South of the proposed work, steep slopes of approximately 60% slopes exist.

- C. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The soils on site were identified as medium to very dense Olympia beds, a pre-Vashon nonglacial deposit, which consists of silty sand, slightly to very sandy silt, and hard clay. The proposed project does not impact any agriculturally significant land.

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

There is evidence of a landslide south of the project site. The geotechnical report has recommended that a 50-foot buffer lie between the reservoir and the crest of the slope.

- 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.

Proposed grading will occur over 27,000 square feet. Project proposes to excavate 3,500 cubic yards of soil. Excavated material that is not suitable for backfill will be removed from the site and disposed of at an appropriate facility. Approximately 220 cubic yards of structural fill will be required for construction of the reservoir. Fill will be obtained from approved local fill sources.

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

During construction, loose or exposed subsoil could erode under intense rainfall. Disturbed area will be re-vegetated upon project completion to prevent erosion thereafter.

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

The overall parcel is approximately 13% impervious under existing conditions. Project will increase the impervious surfaces area by 6,091 square feet, which is approximately 0.02% of the overall parcel.

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

The project will include preparation of a Stormwater Pollution Prevention Plan (SWPPP) which will identify specific Best Management Practices aimed at preventing soil erosion and reducing sediment transport. Best management practices (BMPs), such as catch basin protection, sedimentation fencing, and rocked construction entrance will be used to minimize the potential for any sediment transport. Specific BMPS will be described in a construction-phase erosion control plan Temporary facilities will be maintained until areas of exposed soils are re-vegetated.

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:

Possible emissions include emissions from construction equipment, and automobiles.

Volatile organic compounds may be emitted during coating of the steel tank. No increase in long term emissions are associated with the project

- 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:

All coating products used will conform to the latest federal, state, and local air quality standard. Water trucks will be used to control dust during construction.

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.

There are no water bodies on the project site. There is a nearby wetland 500 feet southwest and down the steep slopes, and another small wetland approximately 1,000 feet north of the proposed reservoir, but they will not be impacted by the project.

- 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.

- 3)

There will be no work near surface waters.

- 4) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

No filling or dredging is proposed.

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

There is no surface water withdrawals or diversions anticipated.

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

No

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

Project does not propose to discharge waste material to surface waters.

b. Ground Water:

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

No

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

No waste material is proposed to be discharged into the ground.

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.

Runoff from the proposed reservoir roof and access road will be collected and conveyed to the proposed stormwater detention pond on site. Outflow from the proposed detention pond will be discharged to the ground and then sheet flow to the north.

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

There are no waste generating operations proposed.

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

Erosion control measures as noted in Section 1 will prevent pollution of surface water, groundwater, and runoff during construction. A permanent detention pond will be constructed at the site to control surface water runoff.

4. Plants

a. Check 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 proposed project area is bordered by forested area to the south, but consists primarily of grass, which is regularly mowed. Minimal trimming of the tree branches to facilitate construction may be required.

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

No threatened or endangered species are known to be at or near the site per the Washington Department of Fish and Wildlife Priority Habitats and Species Map.

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

Proposed landscaping will consist of grass seeding of all disturbed vegetated areas. Due to security concerns, additional trees or shrubs would not be desirable on the site..

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

None.

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 _____

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

None.

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

No

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

None _____

- 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.

Electricity will be required for regular operations once construction is complete, and will be provided by the existing electric service to the site. Electric power is needed for instrumentation, controls, and outdoor lighting. _____

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

No _____

- d. 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:

None – energy use by the permanent facility is minimal. _____

7. Environmental Health

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

None beyond typical hazards associated with construction equipment.

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.

During construction, the project would require the use and storage of small quantities of

gasoline, diesel, lubricant, paint, and other chemical products. Once the reservoir is in

operation, the tank will need re-coating of the exterior painting periodically. BMPs will be employed to minimize the risk of contamination

4) Describe special emergency services that might be required.

None.

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

BMPs will be used during construction to mitigate risks of leaks and spills. All materials and coatings anticipated to come in contact with potable water will conform to NSF 60 or 61. Design and construction will adhere to Washington Administrative Code, Washington Department of Health, and City codes.

b. Noise

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

None

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site.

In the short-term, noise will be generated due to construction activities during work hours.

In the long-term, there will be minimal noise generated from maintenance vehicles and the operation of the reservoir.

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

Construction will comply with local noise ordinance / working hours

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 site is currently an institution and the proposal will not change the use. Adjacent properties include both institutional, high density residential, industrial, and parks.

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?

None

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.

There are two existing reservoirs on the site. Monroe Correctional Complex buildings are located on the same parcel, over 1,000 feet from the proposed structure

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

No structures are proposed to be demolished.

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

Institutional.

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

Institutional

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

The site is not located near a shoreline.

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

There are steep slopes south of the reservoir site on the DOC property.

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

There will be no residents or full-time workers in the project. There will be occasional maintenance personnel on-site. The project will not change staffing at the City

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

None. _____

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

None _____

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

None – no change in use as it is adjacent to another water storage reservoir _____

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

None. _____

9. Housing

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

None _____

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

None. _____

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

None. _____

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 height of the reservoir is proposed to be approximately 40 feet to the tallest point. The principal exterior building material is painted steel.

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

The proposed reservoir will be adjacent to the current reservoir and almost the same height, so no there should be no altered views.

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

There are no measures proposed at this time. The City may choose to paint a mural on the reservoir in the future.

11. Light and Glare

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

The proposal will include downcasting lights near the reservoir.

- 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:

Lighting will be downcasting.

12. Recreation

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

There are not designated or informal recreational opportunities on site. There is land designated as parks on the City of Monroe comprehensive plan on the east border of the property line, but is approximately 3600 feet from the project site.

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

No.

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

None.

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.

There are buildings of the Monroe Correctional Complex that are eligible for the State's Department of Archaeology and Historic Preservation Historical Building Registry. These buildings are located over 3,000 feet northeast of the project site and will not be impacted by the proposed project.

- 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.

There are no known indications of historic use or evidence of cultural importance at the project site.

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- 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.

GIS Data / WISAARD Database

- 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, and describe proposed access to the existing street system. Show on site plans, if any.

The site is located on the DOC and access is via the facility. The facility is accessed by State route 522 by West Main Street followed by 170th Drive Southeast.

- 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.

Monroe's Community Transit routes 271 and 424 serve West Main Street.

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

None

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

If so, generally describe (indicate whether public or private).

The are no improvements to existing road infrastructure needed for this project.

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

No.

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

There will be no increase to the number of vehicle trips. The current number of trips per day generated by the existing reservoir is less than 1 per day.

- 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, health care, schools, other)? If so, generally describe.

No. .

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- 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 _____.

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity, which might be needed.

The project will require electricity and water. Water is provided by the City of Monroe. Electricity is provided by Snohomish PUD

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: 

Name of signee _____
Nathan Rostad, PE

Position and Agency/Organization _____
Civil Engineer, Murraysmith, Inc.

Date Submitted: 2/12/2020