



STATE OF WASHINGTON
DEPARTMENT OF CORRECTIONS
ADMINISTRATIVE SERVICES DIVISION
CAPITAL PROGRAMS
PO Box 41112, Olympia, Washington 98504-1112
Tel (360) 725-8352 ♦ FAX (360) 586-8723

April 2, 2014

The Department of Corrections is planning to add water storage capacity to the Larch Corrections Center. Larch Corrections Center is located at 15314 NE Dole Valley Road near Yacolt, Washington.

As Lead Agency, the Department of Corrections submits the enclosed Environmental Checklist and Declaration of Non-Significance for your review and comment.

Comments will be received until 5:00 p.m., April 18, 2014. Please address all comments to:

Eric Heinitz, Environmental Planner 5
Environmental and Regulatory Compliance
Department of Corrections
P.O. Box 41112
Olympia, Washington 98504-1112
360-725-8397
eric.heinitz@doc.wa.gov

The date of this action is April 2, 2014.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kent Nugen".

Kent Nugen, P.E.
Director, Capital Programs

Enclosure

ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. **Name of the proposed project:**
LCC Water Reservoir Improvements
2. **Name of Applicant:**
Larch Corrections Center
3. **Address and telephone number of applicant and contact person:**
Eric Heinitz
Environmental Specialist 5
Washington State Department of Corrections
P.O. Box 41112
Olympia, Washington 98504-1112
Telephone: (360) 725-8397
FAX: (360) 586-8723
4. **Date checklist prepared:**
March 24, 2014
5. **Agency requesting checklist:**
Washington State Department of Corrections (DOC)
6. **Proposed timing or schedule (including phasing, if applicable):**
The design is scheduled to be complete this spring. Construction is scheduled to start in June with project completion by December 2014.
7. **Are there plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**
Not at this time.
8. **List any environmental information that has been prepared, or will be prepared, directly related to this proposal:**
Geotechnical Testing site Plan, drawing attached.

9. **Are there applications that are pending for governmental approvals of other proposals directly affecting the property covered by the proposal?**

No.

10. **List any governmental approvals or permits that will be needed for the proposal:**

Building permit
Site Plan Review
Construction Stormwater General Permit

11. **Provide brief, complete description of the proposal, including the proposed uses and the size of the project and site:**

Add water storage capacity and water transmission capacity to the Larch Correction Center (LCC) water supply system to enhance fire protection capabilities and system reliability. At this point LCC anticipates demolishing the existing 30,000-gallon rectangular concrete tank, retaining the existing 130,000-gallon circular concrete tank, constructing three additional 130,000-gallon circular concrete tanks similar to the existing one, revising site piping, and adding an additional approximately 600 feet of 8-inch water transmission main, from the tanks to the distribution system.

12. **Location of the proposal. Provide sufficient information for a person to understand the precise location of the proposed project, including a street address if any, and section, township, and range. Provide a legal description, site plan, vicinity map, and topographical map, if reasonably available.**

Facility Address: 15314 NE Dole Valley Road, Yacolt, WA 98675
T 3 N, R 4 E, Sec 20.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. **General description of the site (underline):**

flat, rolling, **hilly**, **steep slopes**, mountainous, other:
This site has been previously graded which resulted in two flat parallel benches. In general the site slopes down from the the southeast to the northwest with slope gradients ranging from 10 – 40 percent.

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

40 percent slope.

c. What general types of soils are found on the site (for example clay, sand, gravel, peat, muck)? Specify the classification of agricultural soils and note any prime farmland.

Soils at this site consist of a two to three inch thick layer of sandy organic silt topsoil. Under the topsoil the native soils consist of poorly graded gravel and cobbles with a silty and clayey sand matrix. These soils are classified as mainly Tertiary Volcanics. There are no agricultural soils or farmland on or near this project site.

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

No.

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

Some minor grading may be required to create a flat stable platform for the reservoir tanks.

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

Yes, there could be a small amount of soil erosion on the site following any grading. However, the will be address in the Stormwater Pollution Prevention Plan.

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

Currently there is just over 1,400 square feet of impervious surface with the two existing water storage tanks. After construction of the three new tanks (each tank will cover about 706 square feet) a total of about 2,120 square feet of new impervious surface will be created in addition to the remaining existing tank which also covers 706 square feet. After removal of the 30,000 gallon rectangular storage tank the total amount of impervious surface will be approximately 2,825 square feet.

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

During construction, stormwater BMP's will be in place to prevent or minimize surface runoff. These could include, but are not limited to the use of hay bales and silt fences on the downhill side of the project. Permanent controls will be incorporated into the final grading design for the project such that surface runoff is collected and directed away from the reservoir structures to a suitable outlet.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial, wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities, if known.

There will be some emissions from the construction equipment during construction, but after the project is complete there will not be any emissions.

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

No.

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

All construction vehicles will meet air pollution standards for that region.

3. Water

a. Surface:

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

No.

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.

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 flood plain? If so, note location on the site plan.

No.

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

1. Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

Yes, these water reservoir tanks are for storing water for Larch Corrections Center which gets its water from ground water.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any. 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) is 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 (including quantities if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

Stormwater is the only expected runoff from the site, however, if the tanks are inadvertently overfilled there would be runoff from the overflow water.

Any runoff from this site will flow into the ground. No other waters will be affected.

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

No.

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

If required, a Construction Stormwater Pollution Prevention Plan will be developed for this project which will address all stormwater and runoff issues. Proper BMP's for runoff will be addressed in that plan.

In absence of a Construction SWPPP, temporary erosion controls will be required on the downhill side of the project to prevent water from leaving the site. A water detention area designed to trap sand and silt before running off the site into creeks or other stormwater conveyances may also be constructed. All collected water will be directed to a permanent discharge system.

4. Plants

- a. Underline the types of vegetation found on site:**

X deciduous trees: alder, maple, aspen, other:

X evergreen trees: fir, cedar, pine, other:

X shrubs: **Oregon grape, salal, sword fern**

X grass:

___ pasture:

___ crop or grain:

___ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other:

___ water plants: water lily, eelgrass, milfoil, other:

___ other types of vegetation:

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

Some trees and shrubs may need to be removed to allow for the installation of the new tank reservoirs.

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

None.

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

None.

5. Animals

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

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

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:**

N/A

6. Energy and Natural Resources

- a. **What kinds of energy (electric, natural gas, oil, wood, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.**

Electric to be used for the pumps.

- b. **Would the 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, explosion, spills, or hazardous waste that could occur as a result of this proposal? If so, describe.**

No.

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

None.

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

N/A

- 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 long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.**

Once construction is complete, there will not be any noise associated with this project.

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?**

The site is a prison and the actual project site is the existing water storage. Adjacent property is forest land.

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

No, only timber.

- c. **Describe any structures on the site.**

Two existing concrete water tanks; 130,000 gallon round tank and 30,000 gallon rectangular water tank.

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

The 30,000 gallon rectangular water tank will be demolished. DAHP has been notified of this demolition and they have issued a letter of "No Cultural Impacts".

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

FR-80

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

State Lands

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

N/A

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

No.

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

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:**

The current use of the property at this project site is water storage for Larch Corrections Center. This project will not change the use, only add additional storage.

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 of the proposed structure(s), not including antennas? What is the principal exterior building material(s) proposed?**

Currently the existing tanks are 10 feet above the ground. The new tanks will be 20 feet above the ground.

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

None.

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

No.

11. Light and Glare

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

None.

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

No.

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

No.

- 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?**

None.

- 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 recreational opportunities to be provided by the project or applicant, if any:**

N/A

13. Historic and Cultural Preservation

- a. **Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.**

No.

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

None. Attached is a letter from DAHP stating there are no cultural resource impacts as a result of this project.

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

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.**

There is a county road to the facility. That is all.

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

No.

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

None.

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

No.

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

No.

- f. **How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.**

N/A

- g. **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.

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

N/A

16. Utilities

- a. **Underline utilities currently available at the site:**

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic systems, cable, propane, 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.**

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.

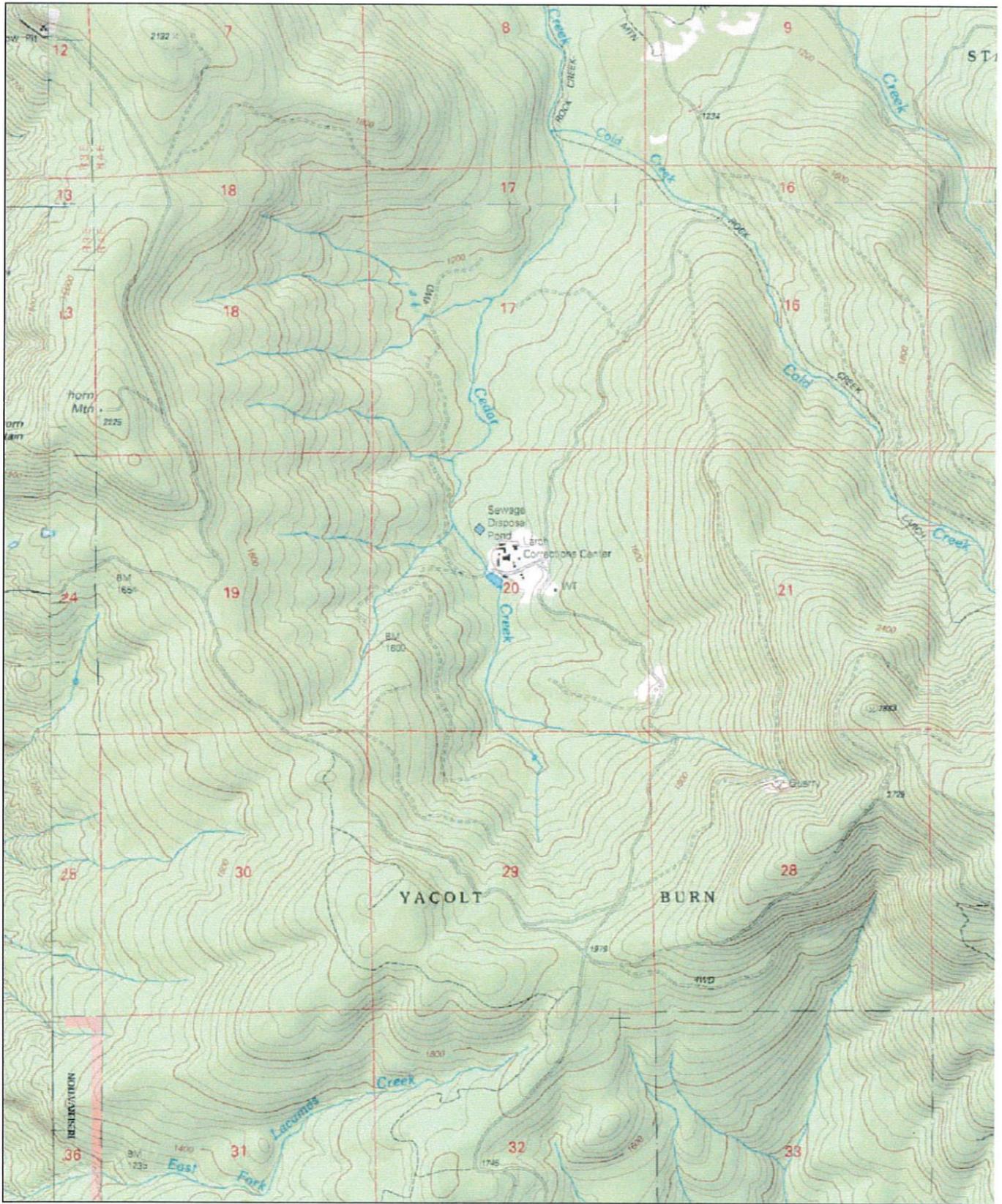
Signature: 

Date Submitted: 31 Mar 2014

REFERENCES

Geotechnical Report, Larch Corrections Center Reservoir Improvements, Yacoult, WA, PanGEO Inc., Project No. 13-256, March 2014.

Larch Corrections Center



0 0.75 Mi
0 4000 Ft

Map provided by MyTopo.com

T 3 N, R 4 E, Section 20 T&R
45.7310729, -122.3395094 Lat/Lon



Allyson Brooks Ph.D., Director
State Historic Preservation Officer

January 15, 2014

Mr. Eric Heinitz
Administrative Services Division
Department of Corrections
PO Box 41112
Olympia, Washington 98504-1112

RE: Larch Correction Center Water Improvements Project
Log No.: 011514-01-DOC

Dear Mr. Heinitz:

Thank you for contacting our department pursuant to Executive Order 05-05. We have reviewed the materials you provided for the proposed Larch Correction Center Water Improvements Project, Clark County, Washington.

We concur with your determination of No cultural resource impacts.

We would appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive.

In the event that archaeological or historic materials are discovered during project activities, work in the immediate vicinity must stop, the area secured, and the concerned tribe's cultural staff and cultural committee and this department notified.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in compliance with Executive Order 05-05. Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified.

Thank you for the opportunity to comment and a copy of these comments should be included in subsequent environmental documents.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 586-3080
email: rob.whitlam@dahp.wa.gov



SEPA
DETERMINATION OF NON-SIGNIFICANCE

In accordance with Chapter 197-11 Washington Administrative Code (WAC), State Environmental Policy Act (SEPA) Rules, Notice is hereby given of the following:

Description of Proposal:

The Department of Corrections plans to add water storage capacity and water transmission capacity to the Larch Correction Center (LCC) water supply system to enhance fire protection capabilities and system reliability. LCC anticipates demolishing the existing 30,000 gallon rectangular concrete tank, retaining the existing 130,000 gallon circular concrete tank, constructing three additional 130,000 gallon circular concrete tanks similar to the existing one, revising site piping, and adding an additional approximately 600 feet of 8-inch water transmission main, from the tanks to the distribution system. This project is located in Clark County, WA/

Proponent and Lead Agency: Washington Department of Corrections

Location of Proposal: Larch Corrections Center
Yacolt, Washington

Lead Agency: WASHINGTON STATE DEPARTMENT OF CORRECTIONS.

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.020(2)(c). This decision was made after review of a complete environmental checklist and other information on file with the lead agency. This information is available to the public on request.

- There is no comment period for the Determination of Non-Significance (DNS).
- This DNS is issued under 197-11-340(2). Comments must be received by 5:00 p.m., April 18, 2014.

Responsible official: Kent Nugen, P.E.
Position/Title: Director, Capital Programs

Address: P.O. Box 41112; Olympia, WA 98504-1112

Signature: 

Date: 3/31/14

Send comments to:

Eric Heinitz, Environmental Planner 5
Department of Corrections
Environmental & Regulatory compliance
PO Box 41112
Olympia, WA 98504-1112.

- There is no agency appeal

Date of this action: 4/02/2014