SEPA
DETERMINATION OF NON-SIGNIFICANCE

Description of Proposal:

The Cedar Creek Corrections Center (CCCC) is constructing a composting facility for composting food waste and biosolids from the facility. This project will involve the construction of two pole buildings; Building A – 50' wide by 100' long and Building B – 40' wide by 100' long which are open on one side only. The compost system proposed will be a static pile operation utilizing building A for the static pile composting process and building B to allow the completed compost to cure. The completely composted material will be stored inside building B until it can be used outside on the gardens and surrounding fields at CCCC.

Proponent: Washington State Department of Corrections

Location of Proposal, including street address, if any:
Cedar Creek Corrections Center
12200 Bordeaux Road
Littlerock, WA 98556-0037

The project site is located at the northeastern edge of the facility, outside the perimeter fence.

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., July 26, 2011.

Responsible official: David B. Jansen, P.E.
Position/Title: Director of Capital Programs

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

Date: 7/6/2011 Signature:

Comments should be sent to:

Eric Herrera, Environmental Specialist 5
Department of Corrections
Capital Programs
PO Box 41112;
Olympia, WA 98504-1112.

☒ There is no agency appeal.

Date of this action: July 6, 2010

ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of the proposed project:

Cedar Creek Corrections Center Compost Facility

2. Name of Applicant:

Washington State Department of Corrections

3. Address and telephone number of applicant and <u>contact person</u>:

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:

May 11, 2010

5. Agency requesting checklist:

Washington State Department of Corrections (DOC)

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

Project to begin on or about August 1, 2010.

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:

Soils investigation report dated March 2011 which is available upon request.

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
Grading Permit
Electrical Permit
Plumbing Permit
Air Permit
Biosolids Permit

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

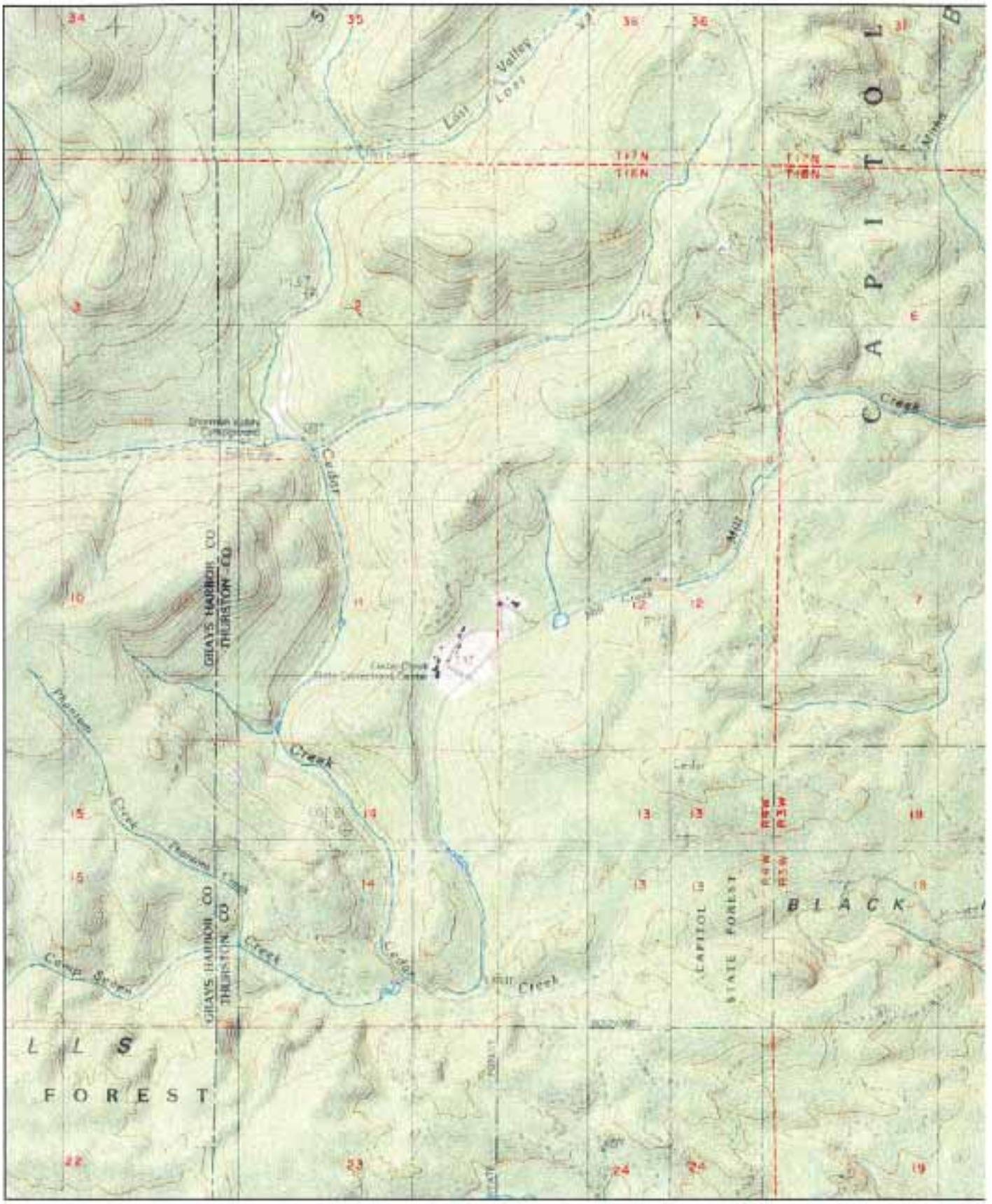
The Cedar Creek Corrections Center (CCCC) is constructing a composting facility for composting food waste and biosolids from the facility. This project will involve the construction of two pole buildings; Building A – 50' wide by 100' long and Building B – 40' wide by 100' long which are open on one side only. The compost system proposed will be a static pile operation utilizing building A for the static pile composting process and building B to allow the completed compost to cure. The completely composted material will be stored inside building B until it can be used outside on the gardens at CCCC.

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.

Cedar Creek Corrections Center
12200 Bordeaux Road
Littlerock, WA 98556-0037

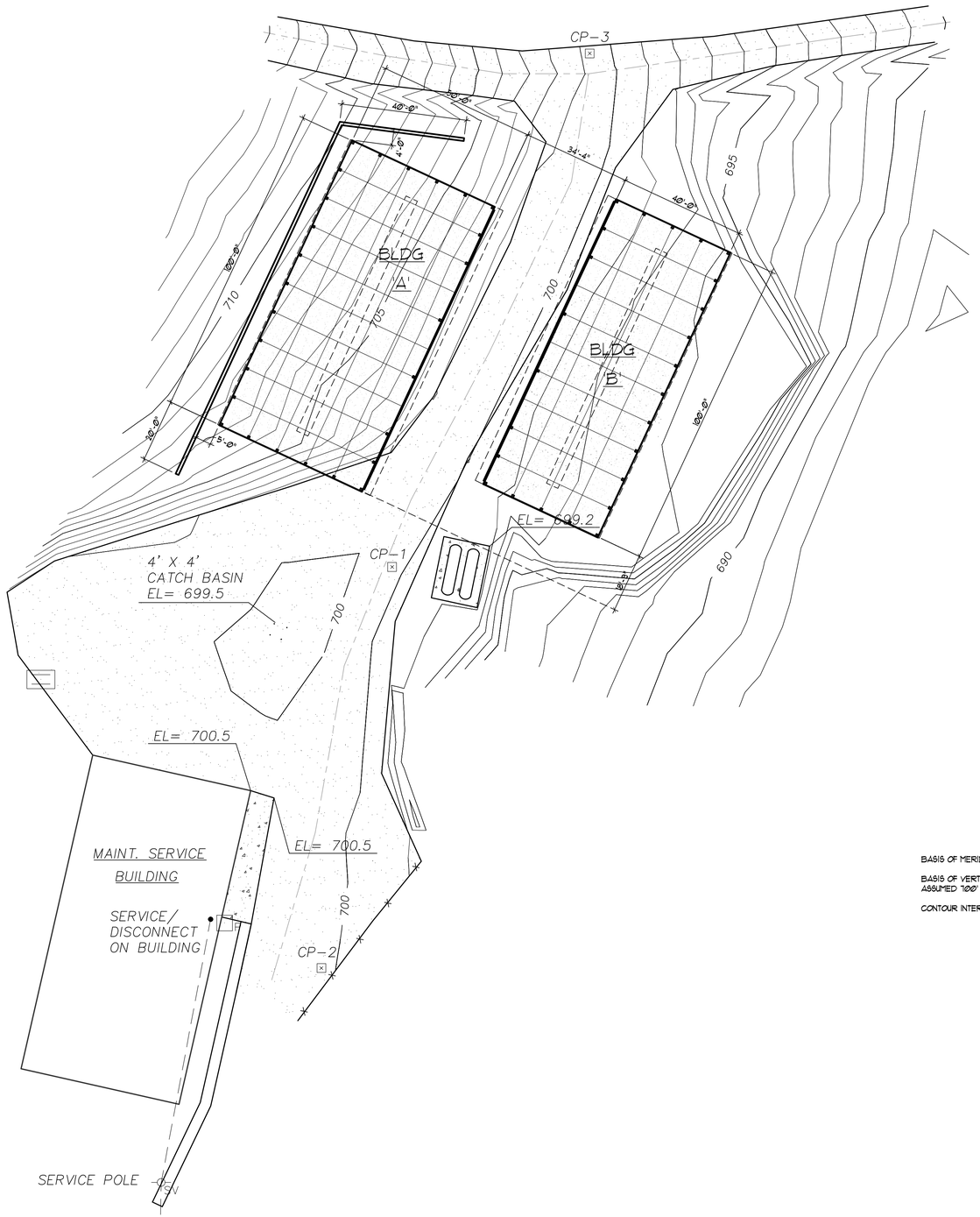
SW ¼, Section 11, T 16 N, R 4 W

Lat: 46.88774 N Lon: -123.13719 W



Map provided by MyTopo.com

SW1/4, Section 11, T16N, R4W



BASIS OF MERIDIAN: ASSUMED

BASIS OF VERTICAL DATUM:
ASSUMED 100' @ CP-1

CONTOUR INTERVAL = 1'

N

1
A1.01

SITEPLAN

1"=20'-0"

10-136 - 10-136-A1.01.dwg - bobbyb - 3/9/2011 11:11 AM

NEW COMPOST FACILITIES A & B

CEDAR CREEK
CORRECTIONAL CENTER

12200 BORDEAUX RD.
LITTLE ROCK, WA 98556

msgs architects

p 360 943 6774 f 360 352 7005
www.msgsarch.com

510 capitol way south
olympia, washington 98501

6261 REGISTERED ARCHITECT
R. WILLIAM SLOANE
STATE OF WASHINGTON

Permit Set MAR 2011

Revisions	Closing Date

Sheet Title

SITE PLAN

Sheet No.

A1.01

Project No.

10-136

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (underline):

flat, rolling, **hilly**, steep slopes, mountainous, other:

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

The slope the facility will be built on is 8%.

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.

The site is has native soils of silts and has been logged in the past and large stumps are still in the ground. Soils are deeply weathered soils derived from the Crescent Formation basalts and are a low plasticity silt with the Uniform Soil Classification of ML

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.

A portion of the site has already been previously graded and filled with soils and gravel to provide a level surface. However, there will be some grading required to excavate a site for Building A. A constructed slope not exceeding a 2:1 horizontal to vertical should be used as a minimum. The plans for this excavation call for a double terraced retaining wall with each wall constructed no more than four feet high.

The site for Building B will require excavation to the native soils and refilled as controlled structural fill, compacted to a minimum density of 95% of ASTM D-1557. These soils will come from the soils excavated from the site for Building A.

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

Yes. Although construction is planned for the dry season (August to September) rainfall on any exposed slope after clearing could cause erosion. On this project, all cut slopes will be seeded as soon as possible after construction to protect the slopes from sheet washing. Appropriate BMP's to prevent stormwater runoff will be installed and inspected during grading and construction.

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

9,000 sq ft. of new building construction and pavement.

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

The soils engineer for this project has recommended the use of a jute-mat staked to the slope to facilitate revegetation. A drainage swale constructed at the toe of the slope to collect storm water from flowing down slope is also required to prevent surface storm water from flowing to the building.

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 some odors given off through the composting process which should be contained mostly within the building structure and vented through a vent in the roof of the facility. Each compost pile will be covered with woodchips to help control odors and the composting process when operating correctly emits only a minimal odor for the first couple of days of the process. In addition, a biofilter will be installed to filter the air drawn through each pile during the composting process.

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:

Each active compost pile will be covered with approximately 6-12 inches of woodchips to control the odors from the composting process and a biofilter will be used to filter the air drawn through the piles during the composting process.

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.

Mill Creek is approximately 500 ft SE of the project site.

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.

None.

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.

No.

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.

None.

c. Water Runoff (including storm water)

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.

The only run-off from this site will be stormwater from the building roofs and existing gravel roadway. The roof runoff will be directed through downspouts and discharged through multiple dispersion trenches. The road runoff will continue to be collected in the facilities existing storm drain system.

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

No. A trench drain which flows to the exisiting sanitary sewer system will be constructed at the entrance to the compost building and all liquids from inside the building will be collected in this trench drain.

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

All surface waters will be collected in the existing and proposed storm drains.

4. Plants

a. Underline the types of vegetation found on site:

_X_ **deciduous trees: alder, maple:**

_X_ **evergreen trees: fir, cedar, pine, other:**

_X_ **shrubs:**

___ **grass:**

___ **pasture:**

___**crop or grain:**

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

___ w**ater plants: water lily, eelgrass, milfoil, other:**

___ **other types of vegetation:**

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

Only a few shrubs and trees will be removed from the building A site during excavation. None of these trees are more than a few years old. The entire site was logged several years ago.

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

No.

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

The terraces constructed to stabilize the slope behind building A will consist of native shrubs and grasses.

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:
Songbirds may occasionally visit this site.

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.

Electricity will be the only energy available and used. It will be used primarily for lighting and running the blower fans for the compost aeration units.

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:

All electric motors will be high efficency low voltage motors and they will run on a timer for optimal operation and efficiency. Lighting will be ceiling mounted T8 or T5 florescent fixtures.

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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.

Municipal wastewater biosolids contain pathogens which could be a hazard to some workers if general safety and hygiene procedures are not followed. The facility operation manual will address Health and Safety including personal hygiene and prevention practices for workers.

1. Describe special emergency services that might be required.

None.

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

The heat generated during the composting process will effectively destroy the pathogens.

b. Noise

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

Occasional delivery truck traffic and some equipment operations (fork lifts, backhoe, etc.) are operating in the area, but none of which will affect this project.

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.

Some short-term noise from construction equipment and the construction of the building structure. Hours of operation will be

daylight hours only, between 7:30 am to 6:00 pm only for construction of the facility.

Since all composting and recycling operations will take place within the building and the composting operation is a static pile which does not involve any large equipment operations, there should not be any noise generated from this project. There may be minimal equipment operations outside the facility and some truck traffic associated with diliveries of food waste and compost pickup.

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

None since there are no anticipated significant noise impacts.

8. Land and Shoreline Use

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

Cedar Creek Corrections Center is a prison housing approximately 400 offenders. The location of this compost center is outside the secure perimeter fence, in an area currently used for temporary equipment storage.

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

No.

c. Describe any structures on the site.

There are maintenance offices located to the southwest of this site. These buildings will remain on site and in use.

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

No.

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

On the Thurston County Assessors map, this site is zoned as government property. This land is owned by the Department of Natural Resources and leased to the Washington State Department of Corrections.

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

The Thurston County assessors map lists the designation as government property operated by the Department of Corrections.

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?

N/A

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

N/A

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

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?

The height of the compost buildings will be 24'. The exterior will be metal siding with a composition roof.

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

None.

c. Proposed measures to reduce 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?

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?

None.

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.

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 are no public streets serving this site. Bordeaux Road which serves the correction facility is owned and maintained by the Department of Natural Resources and the main access road to the composting and

recycling site is a gravel facility equipment access road maintained by the Department of Natural Resources.

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

N/A.

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

N/A

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.

Approximately on dump truck load of biosolids per week.

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:

None.

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.

Plumbing, electricity and a connection to the sanitary sewer are all the utilities needed. These will be provided by DOC.

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: _____