

ENVIRONMENTAL CHECKLIST

*Purpose of checklist:*

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

*Instructions for applicants:*

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

*Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

*Heglar Kronquist Site Remediation*

2. Name of applicant:

*Washington State Department of Ecology*

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

*Teresita Bala  
Department of Ecology  
Toxics Cleanup Program  
Eastern Regional Office  
Spokane, WA 99205-1295  
Tel: 509/329-3543*

4. Date checklist prepared:

*August 23, 2012*

5. Agency requesting checklist:

*Washington State Department of Ecology*

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

*Implementation of the remedial actions would take place in 2013 and 2014.*

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

*Future activities as part of the remediation action would be related to the inspection and maintenance of the landfill cap and groundwater monitoring.*

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

*The following Model Toxics Control Act (MTCA) documents have been completed: Remedial Investigation Report, Feasibility Study Report, and a Draft Cleanup Action Plan. Other MTCA documents to follow are: the final Cleanup Action Plan, Engineering Design and Construction Plans and Specifications, Compliance Monitoring Plan, Operations and Maintenance Plan, Institutional Controls Plan, and Remedial Action Report.*

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.

*Ecology's approval of the Engineering Design and Construction Plans and Specifications, Compliance Monitoring Plan, Operations and Maintenance Plan, Institutional Controls Plan, and Remedial Action Report.*

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.)

*The cleanup remedy is to enhance a landfill cap at the Heglar Kronquist Site. Approximately 55,000 cubic yards of black dross were disposed into this once 4-acre quarry. Leaching of contaminants from the dross resulted in groundwater concentrations of chloride and nitrate in the vicinity that exceed state standards. This landfill was capped in 1984; however, limited leaching still continues. The cap enhancement will include installing a multi-layer cap that will include a geosynthetic liner system, a drainage system, and a top soil cover with vegetation to reduce infiltration and promote better drainage. The existing gas venting system that is part of the current cap will be retained. Institutional controls including an Environmental Covenant, groundwater monitoring, and inspection and maintenance of the cap are also components of the remediation project.*

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.

*The Heglar Kronquist Site is located in a rural area near Mead, Washington and near the intersection of E. Heglar and E. Kronquist Roads approximately 10 miles northeast of downtown Spokane, Washington.*

TO BE COMPLETED BY APPLICANT

EVALUATION FOR  
AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. **Earth**  
a. General description of the site (circle one): Flat, rolling hilly, steep slopes, mountainous,  
other . . . . .

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

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

*Silt, sand, gravel, basalt*

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

*The landfill is situated on the eastern end of an ancient landslide block with the slide plane immediately to the east of the landfill. There is no sign of soil instability in historic times.*

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

*The 18-inch top soil cover of the enhanced cap will require about 6000 cubic yards of soil, 3500 cubic yards of reduced permeability soil and 2500 cubic yards of gravel that will be imported from off-site.*

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

*Erosion could possibly occur during regrading, placement of top soil, and final grading.*

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

*Zero.*

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

*The top soil cover will be seeded/vegetated to prevent erosion.*

## 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.

*Fugitive dust emissions from regrading, adding in the top soil, and regrading activities and exhaust from heavy earth moving equipment are expected during construction. There will be no emissions after completion of 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:

*Dust suppression techniques will be required during the construction activities.*

## 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, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

*There is an unnamed intermittent drainage ditch that is in the vicinity of the site. This ditch discharges to Deadmen Creek about a mile west of the 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.

*Not applicable.*

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.

*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.

*Groundwater would not be withdrawn. Stormwater infiltrated over the landfill area would be collected in the enhanced cap drainage layer to prevent contact with the dross and re-routed to ditches near the landfill perimeter where it would eventually be infiltrated to groundwater.*

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.

*Not applicable.*

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 over the landfill area is primarily stormwater. This infiltrated runoff would be collected by the drainage layer to prevent contact with the dross and rerouted to ditches near the perimeter of the landfill where the water would eventually be infiltrated to groundwater.*

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:

*Not applicable.*

4. Plants

a. Check or circle 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
- 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?

*Existing grasses on the surface of the landfill would be removed. The site will be revegetated through seeding as part of the cap enhancement. Ten pine trees located along the southern boundary of the landfill would be removed to ensure that the root systems do not disturb the landfill cap in the future.*

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. Circle 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: wild turkeys  
mammals: deer, bear, elk, beaver, other: dogs, cats, mice, raccoons, cougar  
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.*

## 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.

*None.*

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:

*Not applicable.*

## 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.*

1) Describe special emergency services that might be required.

*Not applicable.*

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

*Not applicable.*

b. Noise

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

*Noise from traffic transporting cap materials and operation of heavy equipment.*

- 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.

*Noise from traffic transporting cap materials and operation of heavy equipment. The noise would be during the daylight hours and would last only during the installation of the enhanced cap.*

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

*None.*

8. Land and shoreline use

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

*The site is now a closed landfill. The adjacent properties are residential properties and agricultural areas.*

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

*The landfill area has not been used for agriculture.*

- c. Describe any structures on the site.

*There are 17 gas vents (4-inch schedule 40 steel pipes) that are part of the existing cap which rises up to 10 feet above the current ground surface.*

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

*No.*

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

*The area is classified "Resource Lands" and zoned Small Tract Agricultural (STA).*

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

*Unknown.*

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

*Not applicable.*

- 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:

*Not applicable.*

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

*Not applicable.*

10. **Aesthetics**

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

*No structures are proposed.*

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

*Not applicable.*

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

*Not applicable.*

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?

*Not applicable.*

- 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:

*Not applicable.*

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.

*Not applicable.*

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

*Not applicable.*

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, archaeological, scientific, or cultural importance known to be on or next to the site.

*Not applicable.*

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

*Not applicable.*

#### 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 served by E. Kronquist Rd. It is near the intersection of E. Kronquist Rd. and E. Heglar Rd.*

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

*No. There are no known transit stops in the area.*

- 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.

*None.*

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

*Not applicable.*

#### 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.

*Not applicable.*

#### 16. Utilities

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

*None.*



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.

*Not applicable.*

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: Terrance Bab

Date Submitted: September 5, 2012