

## **SEPA ENVIRONMENTAL CHECKLIST**

### ***Purpose of checklist:***

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

### ***Instructions for applicants:***

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

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

### ***Instructions for Lead Agencies:***

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

### ***Use of checklist for nonproject proposals:***

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*** [\[HELP\]](#)

1. Name of proposed project, if applicable: [Eagle Cliff Mine Expansion](#)
2. Name of applicant: [Eagle Cliff Northwest, LLC](#)
3. Address and phone number of applicant and contact person:

*A. 2. Name of applicant has changed to John Bredfield DBA L Rock Industries, Inc. (comment by Nicole Damer, DNR 09/05/2023).*

*A. 3. Applicant address has changed to: John Bredfield DBA L Rock Industries, Inc., PO Box 850, Castle Rock, WA 98611 (comment by ND, DNR 09/05/2023).*

Applicant: Eagle Cliff Northwest, LLC  
1902 E State Route 4  
Cathlamet, WA 98612

Contact: Ryan Moore  
Vector Engineering Inc.  
2724 Black Lake Blvd  
Suite 202  
Tumwater, WA 98512  
(360) 352-2477

*A.11. The proposed project would increase the mineral extraction and mining-related disturbance area within a currently permitted mine (DNR Surface Mine Reclamation Permit #70-012730). Additionally, the total permit acreage will decrease from 60 acres to 57.4 acres. The site will be reclaimed to pastureland with a pond.*

*The previous SEPA review was withdrawn to correct discrepancies between onsite conditions and information included in the application. Form SM-8a and the maps have been updated to list the total area to be disturbed as 48 acres. (comment by ND, DNR 09/25/2023).*

4. Date checklist prepared: 11/30/2021
5. Agency requesting checklist: Department of Natural Resources (DNR)
6. Proposed timing or schedule (including phasing, if applicable): It is anticipated that the mine has 10 additional years of production with a maximum of 350,000 cubic yards of merchantable material per year.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. None Known.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. Hydraulic Analysis, Floodplain Development Permit, Surface Mine Reclamation Inspection Report, Surface Mining Reclamation Permit,
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. None known.
10. List any government approvals or permits that will be needed for your proposal, if known. Shoreline Permit
11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) Surface mine expansion of an existing gravel mine on a 57 acre parcel in Lewis County. Parcel zoning is County ARL – Agricultural Resource Zone. Upon completion of the mining project, the site will be left vacant with a large pond as shown on the plans.
12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you

are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. Address: 425 Mandy Road – Toledo, WA.  
SE ¼ Sec 27 T11N R2W, W1/2 SW1/4 Sec 26 T11N R2W

A. 12. The site is located at 451 Mandy Road, in Toledo, WA (comment by ND, DNR 09/05/2023).

## B. Environmental Elements [\[HELP\]](#)

### 1. Earth [\[help\]](#)

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)? Does not apply.

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. Newberg Fine Sandy Loam

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. No

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. Minable area is shown on the plans. No backfill will be placed on site, other than along the south and southeastern permit boundary. Backfill will consist of onsite material and wash plant fines that will be pumped back into the pond, see narrative for more detail. Maximum back fill depth of 16 feet with an approximate quantity of 2,000 - 3,000 cubic yards.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. No significant erosion will occur.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? None

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: Standard construction erosion control practices, surface gravel will absorb the rainwater.

### 2. Air [\[help\]](#)

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. Mining activity would have temporary impacts on air quality including emissions from construction vehicles; increased suspended particulated (dust) during grading and loading.

- 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: **The contractor would implement BMPs for air particulate control. Possible BMPs would be.**
- Watering surfaces to control dust. Install temporary ground cover to control dust.
  - Vehicle inspection and maintenance.

### **3. Water** [\[help\]](#)

a. Surface Water: [\[help\]](#)

- 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. **Cowlitz River directly north of 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 floodplain? If so, note location on the site plan. **Yes**
- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. **No**

b. Ground Water: [\[help\]](#)

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. **No well or groundwater withdrawal are proposed.**

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. **None proposed.**

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. **No runoff is proposed from the mine site area.**

2) Could waste materials enter ground or surface waters? If so, generally describe. **No.**

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. **No**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: **All runoff during and after mining will be directed into the pond shown on plans.**

**4. Plants** [\[help\]](#)

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

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

*B. 4. DNR Special Concerns Report does not list any threatened or endangered species as occurring within either Section 26 or 27. Section 26 is listed as containing Sitka spruce vegetation zone and both Sections are listed as containing western hemlock vegetation zone (comment by ND, DNR 09/05/2023).*

b. What kind and amount of vegetation will be removed or altered? **All pasture grass will be removed in stages. Reclaimed surfaces will be replanted.**

- c. List threatened and endangered species known to be on or near the site.  
Threatened Species: Golden Paintbrush, Kincaid's Lupine known to be near the site per USFWS IPAC species map.
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: Reclaimed surfaces will be replanted with native grasses and/or trees from the Lewis County native plantings list.
- e. List all noxious weeds and invasive species known to be on or near the site. None known.

**5. Animals** [\[help\]](#)

- 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.

Birds: hawk, songbird, crow  
Mammals: deer  
Fish: Chinook, Coho, Steelhead, Cutthroat Trout

- b. List any threatened and endangered species known to be on or near the site. Marbled Murrelet, Streaked Horned Lark, Yellow-billed Cuckoo, Monarch Butterfly and Taylor's Checkerspot known to be near the site.
- c. Is the site part of a migration route? If so, explain. Yes, Pacific Waterfowl Fly-Way
- d. Proposed measures to preserve or enhance wildlife, if any: None necessary.
- e. List any invasive animal species known to be on or near the site. None known.

**6. Energy and Natural Resources** [\[help\]](#)

- 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. Petroleum fuels for equipment operations.
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. No

*B. 5. DNR Special Concerns Report does not list any threatened or endangered species as occurring within either Section 26 or 27. Section 26 is listed as containing eastern wild turkey. Section 27 is listed as containing chum salmon, cutthroat trout, largescale sucker, mottled sculpin, osprey, redbelt shiner, reticulate sculpin, speckled dace, and torrent sculpin. Both Sections are listed as containing waterfowl concentrations, Chinook salmon, coho salmon, and steelhead trout (comment by ND, DNR 09/05/2023).*

- 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: **None**

## **7. Environmental Health** [\[help\]](#)

- 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. **Vehicle maintenance and refueling will be done on site, which can result in environmental health hazards.**

- 1) Describe any known or possible contamination at the site from present or past uses.  
**Possible contamination from vehicle maintenance and refueling.**
- 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. **Fuel storage for vehicles and mining equipment to be on site.**
- 4) Describe special emergency services that might be required. **None**
- 5) Proposed measures to reduce or control environmental health hazards, if any: **There will be designated maintenance and refueling locations on site to help minimize potential environmental hazards.**

### **b. Noise**

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **Excavation equipment exhaust noise.**
- 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. **This mine has been permitted since 2012 and while it has had violations of its shoreline permit, and mining boundaries, there has not been a noise violation on site (county or Federal regulations). Additional noise testing will determine what has already been proven during the 10 years of permitted use. The**

machinery and mining systems used have not changed during the usage of this mine. Please refer to the Noise Addenda provided by Vector Engineering for all noise related information.

3) Proposed measures to reduce or control noise impacts, if any: Operation time would occur during hours of other road traffic and farm equipment operations.

## **8. Land and Shoreline Use** [\[help\]](#)

- 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. [Curent use of the property is a surface mine. Adjacent properties are pasture land. There is also a truck stop/waste water field to the southeast. Proposal will not affect current land uses.](#)
  
- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [No](#)
  - 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [No](#)
  
- c. Describe any structures on the site. [Office building and mining equipment.](#)
  
- d. Will any structures be demolished? If so, what? [No](#)
  
- e. What is the current zoning classification of the site? [County ARL – Agricultural Resource Zone](#)
  
- f. What is the current comprehensive plan designation of the site? [County ARL](#)
  
- g. If applicable, what is the current shoreline master program designation of the site? [Royal or Urban Conservancy](#)
  
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [The river shoreline north of the site makes it a critical area. Mine activities are well away from the shoreline and thus, do not have impact.](#)



- i. Approximately how many people would reside or work in the completed project? [Once mining project is complete, 0 people will reside or work on site.](#)
- j. Approximately how many people would the completed project displace? [None](#)
- k. Proposed measures to avoid or reduce displacement impacts, if any: [Does not apply.](#)
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [Review of County code to insure project is compatible with exiting and projected land uses and plans.](#)
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [None necessary.](#)

## **9. Housing** [\[help\]](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [Does not apply.](#)
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [Does not apply.](#)
- c. Proposed measures to reduce or control housing impacts, if any: [Does not apply.](#)

## **10. Aesthetics** [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [N/A](#)
- b. What views in the immediate vicinity would be altered or obstructed? [Surface mining operation will be visible for the life of the project.](#)
- b. Proposed measures to reduce or control aesthetic impacts, if any: [Reclamation will restore the site to its original aesthetic.](#)

## **11. Light and Glare** [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [Does not apply.](#)
- 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 known.](#)
- d. Proposed measures to reduce or control light and glare impacts, if any: [None needed.](#)

**12. Recreation** [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [State boat launch approximately 3 miles east on Mandy Rd. and 3 Miles west on Mandy Rd.](#)
- 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: [Does not apply.](#)

**13. Historic and cultural preservation** [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe. [None known.](#)
- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [None known.](#)
- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [Does not apply.](#)
- 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. [Does not apply.](#)

*B. 13. DNR Special Concerns Report lists DAHP historic properties within Sections 26 and 27, GLO trails within 2,640 feet of both Sections, and archaeological sites within 5,280 feet of both Sections (comment by ND, DNR 09/05/2023).*

#### **14. Transportation** [\[help\]](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [Existing access to Mandy Rd shown on plans.](#)
  
- 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? [No. Castle Rock, approximately 15 miles.](#)
  
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal 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). [No](#)
  
- 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? [Completed project will result in a vacant property, no vehicle trips generated. During excavation, the expansion is expected to result in an increase in truck traffic. Trip estimate is unknown at this time.](#)
  
- 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: [Does not apply.](#)

#### **15. Public Services** [\[help\]](#)

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [No](#)

b. Proposed measures to reduce or control direct impacts on public services, if any. [Does not apply.](#)

**16. Utilities** [\[help\]](#)

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. [There are no proposed utilities under this proposal.](#)

**C. Signature** [\[HELP\]](#)

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 Ryan Moore

Position and Agency/Organization Project Manager, Vector Engineering Inc.

Date Submitted: 10/27/22

**D. Supplemental sheet for nonproject actions** [\[HELP\]](#)

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.