



Jennifer Orozco

From: CarterFamily <carterzbr@gmail.com>
Sent: Wednesday, July 24, 2024 9:47 AM
To: Plan
Subject: Greenbar application, DOGAMI ID#07-0160
Attachments: 07-0160_20180904_OpRec.pdf

Hello,

Please see attached DOGAMI document stating groundwater is 72 feet below surface based on drill hole on tax lot 400 (the onsite well), and proposed mine depth is 45-60 feet.

This is very close to the water table. 12 feet doesn't leave much wiggle room.

What happens if they hit water? Will they stop mining? Will they report it?

Will our water be affected?

thank you,
Rob Carter
6404 se Riverdance rd
Prineville OR 97754

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MUCH OF THE INFORMATION REQUESTED CAN BE EXPLAINED ON THE APPLICATION SITE MAP.

The map must be a stamped survey from a Professional Land Surveyor on a topographic base map. Surveyed coordinates must be supplied. See *Surveying and Marking Reference*.

Map Requirements Include (but are not limited to)

1. Scale (1" = 100' to 500')
2. North arrow
3. Appropriate legal description(s) and tax lot numbers, etc.
4. Permit boundary (must be labeled)
5. Location of plant, office, and maintenance facilities
6. Locations of all intermittent water courses, perennial streams, springs, wetlands, and wells
7. Present mine areas and future mining blocks
8. Areas for topsoil and overburden storage or spoil locations, including berms
9. Location of all proposed access roads
10. All property lines within 500' of the permit boundary
11. Location of processing and stockpile areas, plus visual and sound berms or screens
12. Setbacks from property lines, streams, etc.
13. Utility poles, gas line rights-of-way, etc.
14. Storage location of chemicals and petroleum products
15. Date of map preparation and name of the person preparing map

Pre- and post-mining cross-sections of the land surface may be required.

1. PRE-MINE CONDITIONS

- a) Current land use and zoning
RRM5 (Recreational Residential Mobile Zone)
- b) Average depth of topsoil 0 to 6-inches
- c) Type and density of vegetation
Sparse Juniper trees, sagebrush and native grasses
- d) Are there any springs, seeps, intermittent or perennial streams on or near the site?..... yes no
If yes, list here and locate on mine plan map.
Dry Creek flows through the southeasternmost portion of the proposed permit boundary; however, the creek will be protected via a no work area associated with the floodplain.
- e) Has a wetland delineation been completed? yes no
If yes, attach report.
- f) Has a landslide investigation been completed on this property?..... yes no
If yes, attach report.

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2. POST-MINING LAND USE

- a) What is the planned post-mining beneficial use of the permit area?
 - Agriculture _____
 - Range/Open Space _____
 - Forestry _____
 - Housing/Construction - 1 to 2 houses will likely be constructed with yards/vegetated areas surrounding the homes _____
 - Wildlife/Wetland _____
 - Recreation _____
 - Other _____

The post-mining use must be compatible with the local comprehensive plan or have specific land-use approval. For significant aggregate sites zoned for mining, local government must determine the post-mining land use.

3. RECLAMATION TIMING

- a) How many days after mining is completed will reclamation begin?
Reclamation will begin with 360 days after mining operations are completed.

OR

- b) If reclamation will be concurrent with mining, explain the procedure for concurrent reclamation.
Benches may be developed as excavation operations proceed.

4. OPERATING PLAN

- a) Mining method(s) to be employed (mark all that apply):
 - single bench multiple bench pond excavation
 - placer mine side hill cut hill top removal
 - other: _____
- b) Equipment to be used for mining:
Dozers, loaders, drills, excavators, haul trucks and crushing and processing equipment.
- c) Will there be on-site processing?..... yes no
If yes, check type of processing:
 - wash water contained in a closed system
source of water: _____
 - wash water discharged off site
 - dry processing
 - other: _____
- d) Will blasting be employed? yes no
- e) Distance to closest structure not owned by permittee.
Approx. 32 feet north of the property boundary / proposed permit boundary.
- f) Disposition of removed vegetation.
Vegetation onsite is minimal. Trees will be removed for wood and/or piled and burned.
- g) Soil types which will be disturbed by mining, processing, or reclamation.

In referencing the NRCS Web Soil Survey, there is no soil data currently available for this area. Hard rock is generally exposed at the surface therefore soils are minimal to none.

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- h) Average soil salvage depth None
- i) Overburden removal depth None
- j) Will soil, overburden, rock waste or crusher reject dumps or stockpiles be created during mining?..... yes no

If yes, list the estimated volume of each at the end of this form and locate on a mine plan map.

Additional information may be required for large dumps or those located on steep terrain.

- k) Will this plan require excavating across any property lines? yes no

- l) How and where will soil or subsoils be stored for reclamation? Locate storage areas on mine plan map.
There are no soils or subsoils available for salvage therefore no soils will be stored onsite.

What measures will be taken to reduce compaction and prevent water and wind erosion of the topsoil stockpiles and when will they be implemented?

There are no soils or subsoils available for salvage therefore no soils necessitate stabilization.

- m) What will be the minimum property line setback: for the excavation Variable- as shown on the map
for processing or storage Variable- as shown on the map

5. WATER RESOURCE PROTECTION

- a) Will mining occur below groundwater level?... yes no
- b) Will mine site dewatering be necessary? yes no

If yes, explain procedure and estimated depth to which water will be drawn down inside of the mine and where water will be discharged.

No dewatering planned or proposed.

WRD

A permit may be required from the Water Resources Department for dewatering activity.

- c) Will process water be contained on site?..... yes no
- d) Will storm water be contained on site?..... yes no
- e) Will a pond(s) be used to contain water?..... yes no

Explain containment procedures.

Best Management Practices including sloping, graveled roads and floors, low lying areas, vegetation, and infiltration will be utilized to contain stormwater runoff onsite. A DEQ NPDES Stormwater Permit is not needed as all stormwater runoff will be contained onsite.

If the answer to c) or d) is no, please explain discharge procedures.

Crushing operations at the site will be conducted via dry processing only so no process water will be generated.

A permit from the Department of Environmental Quality may be required for off-site discharges and is required for any discharge into public waters, wetlands, streams or lakes. Contact DOGAMI for these permits.

- f) Will any drainages/streams be relocated?..... yes no
If yes, complete Section 11.

- g) What will be the minimum undisturbed setback(s) of the operation from all stream(s) or drainage(s)?

The creek will be protected via setbacks as shown on survey map.

DEQ

List the name of stream(s) or drainage(s) and setback from each at the end of this form and locate on a mine plan map.

- h) How will the buffer(s) be identified and protected during mining and reclamation?
The setbacks will be marked in the field using stakes, fence posts and survey location information.
- i) Describe methods employed to control erosion in the permit area. Be specific, i.e., seeding and mulching, sediment basins or ponds, contour ditching, waterbars, etc.
Best Management Practices including sloping, graveled roads and floors, low lying areas, retention berms, vegetation, and infiltration will be utilized to contain stormwater runoff onsite and to control sedimentation and erosion. A DEQ NPDES Stormwater Permit is not needed as all stormwater runoff will be contained onsite.

- j) Will settling ponds/dams be constructed? yes no
State the number and size of the impoundment(s) and how they will be built. Will the pond be excavated or will berms be constructed? *Locate on a mine plan map.*
No ponds/dams are planned or proposed.

- k) If dams will be constructed, how high will they be and what is the maximum amount of water (in acre feet) to be impounded behind each dam?

No dams are planned or proposed.

WRD

If a dam is higher than 10 feet, and stores more than 9.2 acre feet of water, approval from the Water Resources Dept. is required prior to construction.

- l) If berms or a dam will be constructed, describe construction details and attach a sketch showing construction methods.
No dams are planned or proposed.

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- m) How deep will impoundment(s) be?
No impoundments are proposed or planned.
- n) If the impoundment(s) are to be removed upon completion of mining, how will they be drained and/or filled?
No impoundments are proposed, planned or necessitate removal.
- o) Will settling ponds, wetlands, or a water impoundment be left upon final reclamation? yes no
No impoundments are proposed, planned or necessitate removal.

6. GROUNDWATER INFORMATION

- a) Proposed mine depth ~45 to 60-feet
- b) Groundwater depth 72-feet below ground surface.
(Under static (pre-mine) conditions)
- c) What is groundwater depth estimate based on?
Depth is derived from drill hole completed on Tax Lot 400 (onsite well)
- d) Flow direction of groundwater, if known. unknown
- e) Distance to closest well outside the permit boundary.
Approx. 75-feet north of the property line

Wells within permit area must be shown on mine plan map. Attach a copy of the well log(s).

7. VISUAL AND NOISE SCREENING

Screening can be very effectively employed to isolate sites from public notice and to minimize noise from operations.

- a) Does a natural landform or vegetative screen currently exist along the permit boundary? yes no
If yes, what screen width will be maintained during mining?
An approximately 20-foot screen will be maintained.
- b) Will a berm and/or vegetation be established to develop a visual screen for the operation? yes no
If yes, describe the height and width of the berms and/or the type and density of vegetation; show location on mine map.

(Crushed rock stockpiles, although not permanent, can also be used to reduce noise from the operation.)

8. EQUIPMENT AND STRUCTURES REMOVED

- a) Upon final reclamation, will all structures, visual berms, equipment, and refuse be removed?..... yes no
If no, explain what will be left.
Safety berms / fencing may be installed above the northern and western perimeters of the quarry high wall to be left upon final reclamation.

9. RECLAMATION TECHNIQUES

- a) What will be done with oversized rock not used during mining?
Any oversize rock encountered will be utilized in the construction of the excavation perimeter berms.
- b) What will be the average depth of soil replaced on the area to be reclaimed? None

If less than 12" of topsoil is available, a substitute material may be required.

- c) Will additional material be utilized as a soil substitute to complete the revegetation? yes no
If yes, specify type(s), amount(s), and source(s).
Overburden, crusher rejects, and imported fill may be used.
- d) Will any waste products, such as tailings, crusher rejects, etc., be generated during mining? yes no
If yes, what will be done with them?
- e) How will processing and stockpile sites be reclaimed? If they are to be revegetated, explain procedures which will be employed to decompact areas prior to topsoiling/seeding.
The upper 12-inches will be ripped with earth-moving equipment as feasible to decompact the area(s) for revegetation.

10. REVEGETATION TECHNIQUES

- a) Species to be seeded/planted by type and amount.
An all-purpose, weed-free pasture grass seed mix will be utilized as needed if natural revegetation does not occur.
- b) Describe method and time of year for planned planting.
Seeding of grasses would be conducted via a broadcast method either in the spring or fall.
- c) List fertilizers and lime to be used (include amount).
No soils present therefore fertilizers and lime would be ineffective and will not be used.
- d) List type and amount of mulch or other erosion control techniques such as erosion netting.
None

Vegetative survival comparable to the density of original ground cover will normally be considered acceptable.

11. RECLAMATION PROCEDURES - POST-MINE DRAINAGE CONTROL AND RECONSTRUCTION

- a) During reclamation, will stream channel and/or bank stabilization and rehabilitation be necessary?..... yes no
If yes, attach plans. n/a

A Division of State Lands' permit is required for relocation of all perennial and some intermittent water courses.

- b) How will surface water runoff and erosion be controlled upon completion of mining? Describe and list structures that will be used.

Best Management Practices including sloping and infiltration to be utilized to control erosion and contain stormwater runoff onsite.

12. RECLAMATION PROCEDURES - IMPOUNDMENTS & POND DECOMMISSIONING

- a) Will dewatering be required?..... yes no
- b) Will it be necessary to backfill a water filled excavation pit or pond?..... yes no
- c) How will settling ponds be stabilized and revegetated?
Not applicable. No impoundments are proposed or planned.
- d) How will quality of imported backfill be monitored to protect groundwater quality?
Imported material will be inspected to ensure it meets the DEQ clean fill standard.

Monitoring may be required to ensure groundwater protection.

13. RECLAMATION PROCEDURES - LAND SHAPING

Long continuous slopes should be avoided or broken up with surface contours, ditches, or complex slope shape.

- a) What will be the:
 - i) -steepest above-water *excavated* slopes left after mining? (1½:1 is generally maximum) 1½H:1V or flatter
 - ii) -steepest above-water *fill* slopes left after mining? (2:1 is generally maximum) 2H:1V or flatter
- b) What will be done to ensure the stability of excavated slopes?
The excavated slopes will be stabilized via benching if high wall height exceeds 40 feet.
- c) What will be done to ensure the stability of fill slopes?
There are no planned fill slopes however if they are created, they will be graded and seeded with grass.
- d) Will this site be shaped or backfilled to blend in with surrounding topography? yes no

14. POST-MINING WATER IMPOUNDMENT(S)

- a) Number of impoundment(s) None
- b) Use of impoundment(s)
Not applicable. No impoundments are proposed or planned.
- c) Total surface area in acres
Not applicable. No impoundments are proposed or planned.
- d) Average depth
Not applicable. No impoundments are proposed or planned.
- e) How much is the water level expected to fluctuate annually?
Not applicable. No impoundments are proposed or planned.
- f) What will be the steepest and flattest in-water slopes left after mining?
Not applicable. No impoundments are proposed or planned.

Generally 3:1 in-water slopes are the steepest allowable, except off islands. To increase potential for wetland habitat establishment, 5:1 to 20:1 slopes are needed.

- g) Will shallow ponds, shorelines, or other areas conducive to wetland plant development be left? yes no
- h) What will be the impoundment water source?
Not applicable. No impoundments are proposed or planned.

WRD *A water right for the water source may be needed from the Water Resources Department.*

- i) What will be done for wildlife & fish enhancement, e.g. fish structures, islands, peninsulas, and irregular shorelines?
None
- j) If wetlands are to be constructed, explain the methods and final configuration.
None

15. OTHER PERMITS

In order to assist other agencies in the review of this plan and their ability to ascertain compliance with their laws, list all permits by type and number that are held (or applications filed) for this mine site or processing equipment (such as fill/removal permits, water rights, air quality and stormwater or waste water permits).

Agency/Permit Type	Permit Number

16. LANDOWNER CONSENT

As surface or mineral rights owner, I concur with the proposed subsequent use for any mining operation and with the operating and reclamation plan as submitted. I also agree to allow access to the State Department of Geology and Mineral Industries or their contractor for reclamation of the mine site if it is declared abandoned by the Department of Geology and Mineral Industries. By my signature below, I certify that I have a legal right to sign this document.

Appropriate signatures are needed for EACH land parcel.

I CONCUR (Surface Rights)

Name (Please Print or Type) Richard L. Bartels

Signature Richard L. Bartels Title OWNER

Company _____ Date 9/4/18

Name (Please Print or Type) _____

Signature _____ Title _____

Company _____ Date _____

I CONCUR (Mineral Rights):

Name (Please Print or Type) Richard L. Bartels

Signature Richard L. Bartels Title owner

Company _____ Date 9/4/18

Name (Please Print or Type) _____

Signature _____ Title _____

Company _____ Date _____

17. APPLICANT'S ACCEPTANCE

Name (Please Print or Type) Richard L. Bartels

Signature Richard L. Bartels Title owner

Company _____ Date 9/4/18

18. PREPARED BY (IF OTHER THAN APPLICANT)

Name (Please Print or Type) _____

Signature _____ Title _____

Company _____ Date _____

(office use only) DOGAMI ID# 07-0160