



The BLM has conducted an inspection of your operations, which concludes whether the documented operations on file with BLM are compliant or noncompliant. Any non-compliance issues are reported in the Additional Actions Necessary section of this inspection.

<b>Operation Type</b> :	Surface – continual	$\Box$ Surface – intermittent		
Date: March 18, 2022 Time: 11:03 Weather: Sunny		Operation Name: Fremont Co - Qaugmire Pit Case Number: COC-078247 CDRMS #: M-1990-047		
1	tendees	General         General         Operation(s) are in compliance with documentation on file         Yes       No       N/A		
<b>Operator(s):</b> Not Present <b>Other(s):</b> None		Operation(s) and disturbance on-site coincide with the operations and access on file		

**Inspection Purpose**:  $\Box$  Pre-Operations  $\Box$  General  $\checkmark$  Final  $\Box$  Trespass  $\Box$  Complaint **Objective:** An inspection was conducted to determine if all reclamation standards have been met. Per the inspection, revegetation along the highwall is still not sufficient and does not meet reclamation conditions per the reclamation plan. Reference the noncompliance section for additional information.

Inspection Items	Compliant	Non- Compliant	N/A		
1. Method of Operations					
Hardrock Quarry, Pit, Other					
a. Hardrock Quarry			$\checkmark$		
Operations Equipment					
<ul> <li>Processing Equipment</li> </ul>					
• Blasting 🗆 Internal 🗆 External					
Interim Benches					
Final Benches					
Working Floor					
b. Pit					
Operations Equipment					
Processing Equipment					
• Slopes					
c. Other					
Operations Equipment					
Processing Equipment					
2. Site Conditions					
a. Material/Waste Rock Management			$\checkmark$		
b. Erosion & Stormwater Control					
c. Man-made Structures					

d. Weed Management	$\checkmark$	
e. Safety Hazards		$\mathbf{k}$
f. Interim Reclamation		$\checkmark$

Inspection Items	Compliant	Non- Compliant	N/A		
3. Housekeeping					
a. Container Management			$\checkmark$		
b. Spills/Leaks Observed			$\checkmark$		
c. Hazardous Substances/POL Management			$\checkmark$		
d. General Housekeeping			$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$		
4. Access					
a. Road Management			$\checkmark$		
b. Berms			$\checkmark$		
c. Security			$\checkmark$		
d. Signage			$\checkmark$		
e. Surface Water Controls			$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$		
5. Quality Assurance/Quality Control					
a. Routine Site Conditions Monitoring			$\checkmark$		
b. Air, Water, Noise, Other Monitoring			$\checkmark$		
c. Monitoring Reporting			$\checkmark$		
d. Regulatory Submittals			$\checkmark$		
e. Other Agency/Entity Permits			$\checkmark$		
7. Final Reclamation	$\checkmark$				
a. Exploration/Sampling Location	$\checkmark$				
b. Access Roads/Trails					
c. Grading					
d. Revegetation					
e. Removal of Structures					
f. Free of Trash					

### Additional Actions Necessary

Non-Compliance Issues to be addressed by Operator

### 7.d. Final Reclamation – Revegetation

Revegetation is still inadequate along the regraded highwall. Vegetation is visible including native grasses and trees; however, adequacy has not been met per the reclamation requirements (ref. images 7-11). Reseeding was conducted in 2019 and fall 2020 on the upper highwall. NOTE - Adequate vegetation is based on 80% of the surrounding undisturbed desirable vegetative canopy area. Desirable vegetation is vegetation that contains natural vegetation relative to the surrounding undisturbed vegetative species.

### • Reclamation "Path Forward":

• *Future Inspection:* Watch revegetation efforts for an additional growing season. Tentative inspection scheduled for August 2022 to inspect the revegetation progress along the recontoured highwall.

- 05/02/22 CDRMS and BLM coordination: Suggestion was presented to plant ponderosa trees along the barren highwall to provide soil stabilization, additional moisture and cover for grass regrowth. Cut timber scattered throughout the site was also suggested to help with moisture retention, erosion and deter other public land users from disturbing the reclaimed areas.
- 05/06/22 BLM Range Specialist Consultation: The top layer seems to be mostly decomposed granite vs organic matter which could cause the seed to resist germination/growth. Using some type of netting or tackifier or heavier mulch such as wood chips rather than straw could help germinate the seed when minimal soil is present. The seed mix is adequate for this area; however, going heavier on the native seed and adding an annual such as trilakalia or annual oat grass to serve as a cover crop could help build some organic matter. A little moisture wouldn't be beneficial as well.
- 05/10/22 BLM Forester Specialist Consultation: About 50 ponderosa seedlings would be a good start. Make sure to place logs along the hillside contour, as some soil stabilization will be needed before any trees will take.

### 7.e. Final Reclamation – Removal of Structures

- Boulders were placed along the edge of the county road right-of-way (ROW) to deter the public/road users from disturbing the reclamation work conducted last spring/summer (ref. images 1-2). BLM will require these boulders to be removed prior to finalizing reclamation and releasing reclamation obligations.
- A small pull trailer potentially is located on BLM lands along the southern reclamation boundary near the mine sign (ref. image 3-4). Is this trailer owned by Fremont County? If so, this trailer needs to be removed in order to meet reclamation requirements.

#### **Final Notes**

General Comments:

- NE highwall slope is adequate (reclamation plan states at least 2.5H:1V final slope) calculated slope from images taken during inspection = 2.4:1 slope (ref. image 5).
- Ponderosa pine saplings along the southern disturbance area have grown to ~2-4 ft tall (ref. image 6).
- Tentative inspection scheduled for August 2022 to inspect the revegetation progress and determine if all reclamation requirements have been met per the reclamation plan.

Date inspection shared with CDRMS: 04/07/2022

Date inspection shared with Operator:

Image(s) 1-2:

Images



Comment: Boulders were placed between the mine boundary and C.R. 12 right-of-way pullout. These boulders need to be removed to meet final reclamation requirements.

# Image(s) 3-4:





Comment: Per the reclamation plan, the final highwall will have an ~ 2.5:1 slope which is a 40% gradient with an angle =  $21.8^{\circ}$ . Per the images measured slope in the field, the reclaimed highwall slope is ~ 2.4:1 with

a slope angle of 24°. Therefore, the slope of the reclaimed highwall is considered adequate to meet the reclamation standards outlined in reclamation plan. Scale = 9 inches : 0.25 inches

# Image(s) 6:



Comment: Ponderosa pine trees along the ridge of the southern reclaimed area









Comment: Grass growth is improving since the last inspection in the lower (southern) section of the reclaimed area. The upper portion of the highwall still lacks vegetation.