



Minerals Plan of Operations Inspection
U.S. Department of the Interior
Bureau of Land Management
Royal Gorge Field Office



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

Operation Type: ☐ 3600 ☒ 3809 w/ occupancy ☐ 3809 w/o occupancy

Date: Aug 9, 2018 Time: 12:07 Weather: Sunny	Operation Name: Gold hill Mine (Steen) Case Number: COC51793 CDRMS Number: M1983141
<u>Attendees</u> BLM: Stephanie Carter and Amber Sanderson Operator(s): Company representative: Chris Voorhees Other(s): CDRMS: Amy Eschberger	<u>General</u> Operation(s) are in compliance with documentation on file <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Operation(s) and disturbance on-site coincide with the operations and access on file <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Inspection Purpose: ☐ Pre-Operations ☒ General ☐ Final ☐ Trespass ☐ Complaint

Inspection Items	Compliant	Non-Compliant	N/A
1. Method of Operations			
Drilling, Trenching/Surface Excavation & Underground Excavation			
a. Drilling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Pad Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii. Mud Pits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iii. Borehole Abandonment/Monitoring Well Conversion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Complete <input type="checkbox"/> Incomplete			
iv. Pad Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Trenching/Surface Excavation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Trench/Excavation Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii. Trench/Excavation Stability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
iii. Trench/Excavation Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Underground Excavation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Portal Construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ii. Blasting Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii. Portal Reclamation/Conversion of Entry	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Site Conditions			
a. Material/Waste Rock Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Erosion & Stormwater Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Man-made Structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Weed Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Safety Conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Interim Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Additional Actions Necessary

Non-Compliance Issues to be addressed by Operator

None

Final Notes

General Comments:

- 04/2013, BLM issued a Notice of Temporary Suspension for all the Gold Hill Mine and Mill operations. Mining or milling operations may not occur until the BLM receives a completed Plan of Operations from the operator and a NEPA analysis (ROD) is approved. Only then will BLM terminate the suspension order and mining/milling operations can continue.
- According to CDRMS records the site has been inactive since 2008 and the Temporary Cessation (TC) has now expired (06/2018). An amendment was received by CDRMS on 12/19/2017 for the Gold Hill Mill, but it did not include the Mine. An adequacy review was sent out on 01/04/2018. CDRMS are waiting response from the operator.
- A monitoring water well (MW-1) is used to quarterly sample water released/discharged from the Mount Royale No. 1 portal/adit. Monitoring includes: Base Metals (As, Cd, Mn, Zn), Sulfate, pH, Temp., hydraulic Conductivity and TDS.

- The sediment pond was partially full of water and was being fed by water discharge from the portal opening. Ankle deep water surrounded the portal entrance. The water was clear with no evidence of iron dissolution. The CDPHE has determined the settling pond does not require a discharge permit for water discharging from the Mine portal into the pond.

Proprietary Information: None

Date inspection shared with CDRMS: 09/13/18

Date inspection shared with Operator: 09/13/18

Images

Image 1:



Comment: Signage located on a locked gate accessing the mine, SW of the mill tailings pad.

Image 2:



Comment: Access road to Cash Mine portal

Images

Image 3:



Comment: SW settling pond being fed by water discharge from portal entrance

Image 4:



Comment: Water from portal entrance feeding settling pond

Images

Image 5:



Comment: Storage containers and equipment on-site. Keep a watch on housekeeping for future inspections.

Image 6:



Comment: water in settling pond. Check water quality sampling with CDRMS

Images

Image 7:



Comment: Portal entrance

Image 8:



Comment:
Water surrounding portal entrance

Images

Image 9:



Comment:
Site overview to the west of portal entrance

Image 10:



Comment: Access Road leading east toward Mine entrance/portal