



STATE OF
COLORADO

Cazier - DNR, Tim <tim.cazier@state.co.us>

BLM Inspection on 08/01/2018: Beaver Creek & Patton Mine

1 message

Amber Sanderson <asanderson@blm.gov>

Wed, Aug 8, 2018 at 12:45 PM

To: "Cazier - DNR, Tim" <tim.cazier@state.co.us>, phillip.courtney@state.co.us

Hi Tim and Phil,

Attached are the BLM inspections for both Beaver Creek and Patton Mines. I have also attached an updated Patton Mine map of the surface disturbance on private lands and KML files of the surface disturbance boundary I collected during the inspection and the SLB GPS points Phil took of the state/BLM mineral boundary.

Please let me know if you have any questions.

Take care,

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Amber Sanderson
Geologist
BLM Royal Gorge Field Office
3028 E. Main St.
Cañon City, CO 81212
(719) 269-8750

6 attachments



080118_PattonMine_ShawPark_Disturbance_map.pdf
1589K



080118_PattonMine_SLBMap.pdf
1615K



080118_BeaverCreek_Inspection.pdf
265K



080118_ShawPark_Patton_Mine_Inspection.pdf
257K



PattonMine_Disturbance_Boundary_080118_Inspection.lyr.kmz
3K



080118_SLB_Points.kmz
2K



Minerals 3600 Mine and Reclamation 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 noncompliant. Any non-compliance issues are reported in the Additional Actions Necessary section of this inspection.

Operation Type: ☒ Surface – continual ☐ Surface – intermittent ☐ Underground

Date: Aug 1, 2018 Time: 09:16 Weather: Sunny	Operation Name: Beaver Creek Case Number: COC077243 CDRMS #: M1977322
Attendees BLM: Amber Sanderson Operator(s): Micke Leidich and Mark Jesik Other(s): None	General 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			
Hardrock Quarry, Pit, Other			
a. Hardrock Quarry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Operations Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Processing Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Blasting <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Interim Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Final Benches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Working Floor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Pit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Operations Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Processing Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Slopes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Operations Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Processing Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Weed Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Safety Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Interim Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Items	Compliant	Non-Compliant	N/A
3. Housekeeping			
a. Container Management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Spills/Leaks Observed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Air, Water, Noise, Other Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Monitoring Reporting	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Regulatory Submittals	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Other Agency/Entity Permits	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Final Reclamation			
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
<p>General Comments:</p> <ul style="list-style-type: none"> - Operator predicts to start operating again within the next month - Operator will most likely have to blast the western corner of the highwall to remove interbedded sandstone/conglomerate material from the mined clay seams. Blasting date/time will depend on blast contractor. No drill pads, mud pits or plugging necessary for these types of drill/blast ops. - No equipment present on-site during inspection
Proprietary Information: None
Date inspection shared with CDRMS:
Date inspection shared with Operator: 08/08/2018

Images

Image 1:



Comment: Overburden and stockpiles stored on working/staging floor. Recent removal of processed material (stockpile) from staging floor since previous inspection.

Image 2:



Comment: Overburden stockpiled east of working/staging floor on private lands.

Images

Image 3:



Comment: Area beneath highwall where raw material is pushed down to working floor for processing.

Image 4:



Comment: Haul road leading to highwall. Adequate ingress/egress to highwall.

Images

Image 5:



Comment: Active highwall where clay seams are excavated with a trackhoe and pushed to the working floor below via a dozer.

Image 6:



Comment:

Clay seam that is actively being mined. Clay material is scraped off of highwall and then pushed to working floor with a dozer

Images

Image 7:



Comment: Steep sloping clay seam actively being mined. Most likely have to blast the upper portion to remove sandstone overburden.