



**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:** ☒ Competitive/Negotiated Contract ☐ Free Use Permit (FUP) ☐ Common Use Area (CUA)

<b>Date:</b> July 28, 2021 <b>Time:</b> 09:30 am <b>Weather:</b> Sunny	<b>Operation Name:</b> Red Canyon <b>Case Number:</b> COC-77898 <b>CDRMS #:</b> M-1985-043
<b>Attendees</b>  BLM: S. Carter  <b>Operator(s):</b> P. Courtney, W. Stoughton, D. Bieber  <b>Other(s):</b>	<b>General</b>  <b>Operation(s) are in compliance with documentation on file</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <b>Operation(s) and disturbance on-site coincide with the operations and access on file</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <b>Current scale certification on file</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <b>Annual copies of scale tickets on file</b> <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
<b>1. Method of Operations</b>			
Hardrock Quarry, Pit, Other			
<b>a. Hardrock Quarry</b> <ul style="list-style-type: none"><li>Operations Equipment</li><li>Processing Equipment</li><li>Blasting <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External</li><li>Interim Benches</li><li>Final Benches</li><li>Working Floor</li></ul>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>b. Pit</b> <ul style="list-style-type: none"><li>Operations Equipment</li><li>Processing Equipment</li><li>Slopes</li></ul>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>c. Other</b> <ul style="list-style-type: none"><li>Area of Disturbance/Excavation</li><li>Operations Equipment</li><li>Processing Equipment</li></ul>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>2. Site Conditions</b>			
<b>a. Material/Waste Rock Management</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>b. Erosion &amp; Stormwater Control</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

c. Man-made Structures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Weed Management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Safety Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Interim Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Interim Management Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Inspection Items	Compliant	Non-Compliant	N/A
<b>3. Housekeeping</b>			
a. Container Management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Spills/Leaks Observed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Hazardous Substances/POL Management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. General Housekeeping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4. Access</b>			
a. Road Management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Berms	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>5. Quality Assurance/Quality Control</b>			
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"/>
<b>6. Final Reclamation</b>			
a. Exploration/Sampling Location	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Access Roads/Trails	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Removal of Structures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Free of Trash	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<b>Additional Actions Necessary</b> Non-Compliance Issues to be addressed by Operator
NONE.
<b>Final Notes</b> General Comments: <i>Safety, Security and Signage was the focus of this inspection, therefore all items in Sections 2-5 marked N/A are because those items were not specifically inspected during this visit.</i>

## **Security & Signage**

- Main gate still exists and no changes
- A 2nd gate was installed inside the main gate near the scales because Stacks just rented the house located outside the entrance. Additional gates and signage should help deter any unauthorized access.
- All signage is at the new gate by the scale and includes federal, company and permit required signage
- Sign-in and site-specific training has been moved to the new office from the scale house
- The scale check-in has also moved into the new office. The old scale-house building will be moved to the lab building area for use as additional storage space.
- Site staffing
  - Two main staff come in at 4 am, Monday – Friday
  - The remainder of the production/maintenance crew comes in at 5 am, Monday – Friday.
  - The scale POC is on staff at 6 am, as the scale opens at 6:30 am (haul trucks can't be on Barrett Rd. prior to this time, due to CUP conditions)
  - All staff offsite by 5 pm, except for the times when preventative maintenance (PM) might need to be done after 5 pm. Last load is 3:30 pm (No haul trucks on Barrett Rd after 4 pm per CUP).  
Some additional CUP conditions:
    - Red Canyon is allowed up to 26 “emergency” day uses annually on Barrett Rd. outside of the times stated above, but county needs to be notified first.
    - Red Canyon is also allowed up to 26 Saturday hauls per year (only during the hours of 8 am-2:30 pm)
    - Red Canyon is closed on Sunday
- All gates are shut and buildings locked when staff leave the site at 5 pm. The authorized companies have their own locks/keys to perform after hour PMs.
- Control tower, etc. all have a lock and are also locked nightly at 5pm.
- New “No Trespass” signs along the southern entrance boundary. No signage or fence are located along other boundaries because of the extreme terrain.

## **Safety**

- MSHA compliance
  - MSHA last onsite April 2021
  - Non-S&S citations
  - Inspector varies
- Daily safety meetings
- Employee incentive program
  - Includes hazard recognition, safety improvement, hazard communication (submitted to a committee). Can result in gift cards for employees.
  - If zero citation from MSHA inspection, then automatic \$100
  - If 5 years without a lost time/reportable get \$500.
  - Will soon to start handout of cards for exemplary behavior
  - Safety mentors wear the gold hard hats and perform the safety functions – two onsite currently
- Directional road signs, limited access one-way signs, stop signs and radio signs are located at the quarry. In addition, bench signs are installed so people know where they are at when onsite.
- Inside toe-berm is a physical barrier that keeps people away from the highwall. 20% rule is used for establishing safe distances – 20% of the bench height is the distance a person needs to stay back from the bench edge. People must stay a minimum of 10-feet away from the top edge.
- Radio and other communication
  - CBs and Handheld radios are used around the mine site, where active mining is taking place.
  - Radio communication and sirens are used for plant and belt start up, as well as a blast.
  - Emergency communication: “Lightening sensor” for the drill that gives 10, 5, 2 and 1 mile warnings. Drill operator will give verbal updates to crews and at 1 mile, foreman will let everyone know to shut down. No blasting if lightening is at 5 miles or closer.
- Emergency procedures on board in office. Perform test runs.

Date inspection shared with CDRMS: 8/2/2021

Date inspection shared with Operator: 7/30/2021

## Images

Image 1:



Comment: Lab area with signage stating “Designated Hotwork Area”



Image 2:



Comment: Signage for haul trucks near the scales outlining trim area safety precautions

## Images

Image 3:



Comment: Signage near scales regarding outlining site-specific hazard awareness training requirements



**Image 4:**



Comment: PPE sign just inside main gate, prior to quarry area entry; New 2<sup>nd</sup> gate

## Images

**Image 5:**



Comment: Blasting and check in requirement signage at entrance