

## 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 is sues are reported in the Additional Actions Necessary section of this inspection.

<b>Operation Type</b> :	Surface – continual	$\Box$ Surface – intermittent	□ Underground
Date: Jul 20, 2018Operation Name: CO-Quarries: Mica WhiteTime: 10:45Case Number: COC78191Weather: SunnyCDRMS #: M1992058			Mica White
BLM: A. Sanderson & D. J	Attendees Pike	Gene   Operation(s) are in compliance   ☑ Yes   Operation(s) and disturbance of   operations and access on file	ral   with documentation on file   No □ N/A   on-site coincide with the
Other(s): None	s (mille manager/operator)	ves □	I No □ N/A

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□ Pre-Operations

 $\blacksquare$  General  $\square$  Final

□ Trespass

□ Complaint

Inspection Items	Compliant	Non- Compliant	N/A	
1. Method of Operations				
Hardrock Quarry, Pit, Other				
a. Hardrock Quarry				
Operations Equipment				
Processing Equipment	$\checkmark$			
• Blasting			$\checkmark$	
• Interim Benches	$\checkmark$			
• Final Benches				
Working Floor				
b. Pit				
Operations Equipment				
Processing Equipment				
• Slopes				
c. Other			$\checkmark$	
Operations Equipment				
Processing Equipment				
2. Site Conditions				
a. Material/Waste Rock Management	$\checkmark$			
b. Erosion & Stormwater Control	$\checkmark$			
c. Man-made Structures	$\checkmark$			
d. Weed Management	$\checkmark$			
e. Safety Hazards	$\checkmark$			
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	$\checkmark$			
4. Access				
a. Road Management	$\checkmark$			
b. Berms	$\checkmark$			
c. Security	$\checkmark$			
d. Signage	$\checkmark$			
e. Surface Water Controls	$\checkmark$			
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				
b. Access Roads/Trails				
c. Grading				
d. Revegetation				
e. Removal of Structures				
f. Free of Trash				

## **Additional Actions Necessary by Operator**

Operator monitors dust from crushing/screening of processed material. Water trucks are used to minimize fugitive dust, however due to the lack of precipitation throughout the area, the site was dusty during the inspection. No offsite migration was observed nor migration into/toward any surficial water. Operator was spraying water at the time of the inspection. Site has never had an issue with dust in past inspections.

- 1. Include dust control mitigation into your Storm Water Management Plan (SWMP) to mitigate fugitive dust from crushing/screening processes and for the off-site transport of raw, final or fines materials.
- 2. Operator should reference their CDPHE 2014 APEN and 2017 Storm Water Permit (COG500000-Sand and gravel) which states the appropriate control measures in order to minimize the generation of fugitive dust.

## **Final Notes**

## General Comments:

- 1. Suggestive Dust Control Measures: Attach a water sprayer along the conveyor belt of the crusher/screener to minimize fugitive dust? This may help decrease dust during processing, however water saturation can interfere with the product by swelling the material if the material expands when wet. This could affect the weight of the final product.
- 2. Watch berm height on access road. Berms should be  $\geq \frac{1}{2}$  the height of the largest vehicle/equipment's axle. Material (Fines) can be added to the berms if erosion from drought/wind continues.
- 3. Check both of these inspection items during the next inspection.











to increase berm size to the axel size of the largest piece of equipment using the access road.