




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Beaver Crk Clay Mine	MINE/PROSPECTING ID#: M-1977-322	MINERAL: Clay	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: June 22, 2016	INSP. TIME: 11:55
OPERATOR: Summit Brick & Tile Co.	OPERATOR REPRESENTATIVE: Matt Welte, Mike Leidich	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$22,500.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: BLM	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 7, 2017	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Permittee (Summit Brick & Tile) was represented during the inspection by Messrs. Matt Welte & Mike Leidich. The Beaver Crk Clay Mine is approximately 8 miles NNW of Penrose, and accessed from Fremont Co Rd 132/Upper Beaver Creek Road. This is a 110c clay mine. It was operating at the time of the inspection.

Availability of Records: Annual fees are paid through February 2017. The previous inspection was on May 17, 2011 (the Division's record of this inspections was unavailable). The approved post-mine land use is rangeland. There are no open infractions.

Backfilling and Grading: Backfilling to 2H:1V (except for rock faces) is required for this permit. Sufficient backfill material appeared to be available (large rock and soils between the marketable material).

Complete Inspection: The entire permit area was inspected. No problems were observed during the inspection.

Excess Spoil and Dev. Waste: Overburden piles observed appeared to be stable.

Explosives: The mine has a blasting plan. Mr. Welte stated the most recent blast was in 2011.

Financial Warranty: The \$22,500 bond held by the Division is adequate for the observed mine disturbance.

Fish and Wildlife: No impacts observed.

Hydrologic Balance: Standing water observed in the pit (see **Photo 1**) appeared to be stormwater and not groundwater.

Gen. Compliance with Mine Plan: During the inspection a dozer was being used to push material (see **Photo 2**) over the highwall to be collected at the pit bottom. The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 6.4 acres (based on a 2011 satellite image). Both the 2016 and 2017 annual reports indicate 7.5 acres of mining disturbance. High walls were estimated to be as high as 80 feet and appeared mostly stable (see **Photos 3 and 4**).

Off-site Damage: The operation appeared to be confined to the permit boundary, but access road was very near the permit boundary on the west side.

Processing Waste: Waste rock and soil from the onsite screening process was being stockpiled for backfill.

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked offsite.

Revegetation: A small amount of Common Mullein was observed in the permitted area. The Division recommends implementing weed management to prevent this List C noxious weed species from becoming a problem. The only area that had been revegetated was the pre-law area north of the north side access road (see **Photo 5**).

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Support Facilities On-site: A screen, loader, and dozer were observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 6**) and boundary markers were observed to delineate the permit boundary (see **Photo 7**).

Permit Stipulations: There are no open permit stipulations.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. Stormwater observed in pit (looking NE from working area above highwall).

PHOTOGRAPHS (cont.)



Photo 2. Working bench (looking east).



Photo 3. Highwall (1 of 2, looking west).

PHOTOGRAPHS (cont.)



Photo 4. Highwall (2 of 2, looking south).



Photo 5. Revegetated pre-law disturbance area (NW of pit, north of access road, looking east).

PHOTOGRAPHS (cont.)



Photo 6. Permit sign.



Photo 7. Typical permit boundary marker.

Inspection Contact Address

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EC: DRMS file
Stephanie Carter, BLM