


**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

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: 8-Mile Clay Mine	MINE/PROSPECTING ID#: M-1977-320	MINERAL: Clay	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: June 22, 2016	INSP. TIME: 10:15
OPERATOR: Summit Brick & Tile Co.	OPERATOR REPRESENTATIVE: Matt Welte, Mike Leidich	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$49,166.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 9, 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 8-Mile Clay Mine is approximately a mile north of the intersection of Highways 9 and 50 (west of Cañon City) and accessed from Fremont Co Rd 62. This is a 112c clay mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through June 2016. The previous inspection was on May 17, 2011 (the Division's record of this inspection was unavailable). The approved post-mine land use is rangeland. There are no open infractions.

Backfilling and Grading: Highwall benches are required during active mining for this permit (see **Photo 1**). Backfill material appeared to be available. The Division received a letter signed by Joseph Welte (Summit Brick & Tile) dated July 26, 1994 responding to a Division request for a slope stability analysis related to the 1993 permit conversion application. The letter indicated "the geotechnical report of slope stability analysis" was enclosed. The Division's electronic records do not include a copy of this stability analysis. If you have a copy of this slope stability analysis, please submit a copy to the Division.

Mr. Leidich asked about grading the pre-law disturbance area. The Division will require a modification to the permit. A Technical Revision or Amendment, depending on the type of disturbance and whether or not the pre-law disturbance area is in the current permit boundary area will need to be submitted. Please contact Tim Cazier regarding the specific type and location of the planned disturbance prior to submitting the modification to ensure the appropriate type of modification is requested.

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 10 to 15 years prior to this inspection.

Financial Warranty: The \$49,166 bond held by the Division is adequate for the observed mine disturbance. The bond was calculated in 1993 as part of the conversion from a 110c to the current 112c permit. The bond will need to be re-evaluated long before the maximum allowed affected area of 20 acres is attained.

Fish and Wildlife: No impacts observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: 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 7.7 acres (based on a 2011 satellite image). Both the 2015 and 2016 annual reports indicate 9.1 acres of mining disturbance. The permit has a maximum affected area of 120 acres. However, only 20 acres may be affected at one time.

Off-site Damage: The operation appeared to be confined to the permit boundary.

Processing Waste: Oversized rock and non-product material was stockpiled for backfill.

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

Reclamation Success: The north end (phases III and IV) has sloped to 3H:1V or flatter and topsoiled. Mr. Welte indicated the revegetation was the result of natural progression.

Revegetation: A small amount of unidentified thistle was observed in the permitted area. The Division recommends implementing weed management program to prevent 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 2**).

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

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

Signs and Markers: The permit sign was properly posted (see **Photo 3**) and boundary markers were observed to delineate the permit boundary (see **Photo 4**).

Permit Stipulations: There are no open permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Representatives stated the stormwater management plan is kept in the main office. Stormwater drains to the two sediment ponds (**Photo 5**) and infiltrates.

Topsoil: A topsoil stockpile is stable and labeled as such (see **Photo 6**).

Mr. Welte requested instructions for accessing the Division's documents from our website. An electronic copy was emailed shortly after the inspection. A hard copy of these instructions is included with this report. 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. Existing mine bench (looking NW).



Photo 2. Revegetated area (north end, looking NW).

PHOTOGRAPHS (cont.)



Photo 3. Permit sign at entrance.



Photo 4. Typical permit boundary marker.

PHOTOGRAPHS (cont.)



Photo 5. Topsoil stormwater/sediment pond (below bench, looking SE).



Photo 6. Labeled topsoil stockpile.

Inspection Contact Address

Matt Welte
Summit Brick & Tile Co.
P.O. Box 533
Pueblo, CO 81002

Enclosure

EC: DRMS file