




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: Cherokee Clay Mine	MINE/PROSPECTING ID#: M-1977-325	MINERAL: Clay (general)	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: August 1, 2018	INSP. TIME: 13:15
OPERATOR: The Summit Pressed Brick and Tile Company	OPERATOR REPRESENTATIVE: Mike Leidich & Mark Jesik	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$18,500.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 9, 2019	

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>NA</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>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <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 by Tim Cazier (DRMS) as part of the regular monitoring program to assess compliance with the approved mine reclamation permit. The Permittee (Summit Pressed Brick & Tile Company) was represented by Messrs. Mike Leidich and Mark Jesik during the inspection. The Cherokee Clay Mine is approximately five miles southwest of Florence and is accessed from Fremont Co Road 84. This is a 110c clay mine. The mine was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through November 2018. The previous inspection was on June 19, 2014. The approved post-mine land use is wildlife habitat as approved in TR-01. There are no open infractions. Both the surface and minerals are privately owned.

Backfilling and Grading: Sufficient backfill material appeared to be available. The mine is required to backfill to a 3H:1V slope.

Financial Warranty: The \$18,500 bond held by the Division is adequate for the observed mine disturbance, but is most likely insufficient for the maximum allowed disturbance of 8.4 acres.

Fish and Wildlife: No impact to wildlife was 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. Stockpiled material showing evidence of recent material removal was observed in the center of the site, near the west end (see **Photo 1**). Google Earth was used to measure the disturbed area, which was estimated to be approximately 4 acres, based on 2016 imagery. Highwalls were estimated to vary between 10 and 12 feet in height, sloped at roughly 2H:1V, and appeared stable (see **Photo 2**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations.

Roads: the sediment pond on the west side appeared positioned to capture most of the sediment generated from the site, significantly reducing the potential for sediment from haul roads to travel offsite.

Reclamation Success: Reclamation has been initiated on the south side of the site.

Revegetation: Some revegetation has been initiated on the south side of the site (see **Photo 3**). No noxious weeds were observed.

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

Support Facilities On-site: None observed.

Signs and Markers: The permit sign was properly posted (see **Photo 4**). The southeast boundary marker was observed, delineating that corner of the permit boundary. The northern boundary markers were not located as mining has not progressed near the northern extents of the permit area. Mine personnel should verify these markers are in place prior to disturbing any area to the north.

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. The west sediment pond is shallow. Mine personnel should monitor the pond to be sure it is not overtopped by site runoff during heavy rains. Should overtopping occur, the sediment pond should be deepened.

Topsoil: Topsoil is stockpiled on northwest corner of the site.

Structures: The only structures observed within 200 feet of the active area is the county road on the west side of the site and buildings and utility lines on the west side of the road. As no excavation is planned below the road elevation, no engineering stability evaluation is deemed necessary.

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. Stockpiled material showing evidence of recent material removal (looking east).

PHOTOGRAPHS (cont.)



Photo 2. South side highwalls sloped between 2H:1V and 3H:1V (looking NW).



Photo 3. Some revegetation initiated on the south side of the site (looking west from east end).

PHOTOGRAPHS (cont.)



Photo 4. Permit sign.

Inspection Contact Address

Matt Welte
Summit Brick & Tile Co.
P.O. Box 533
Pueblo, CO 81003

EC: DRMS file
Mike Leidich (Summit Brick)