




## 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.

<b>MINE NAME:</b> 8-Mile Clay Mine	<b>MINE/PROSPECTING ID#:</b> M-1977-320	<b>MINERAL:</b> Clay (general)	<b>COUNTY:</b> Fremont
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Timothy Cazier, P.E.	<b>INSP. DATE:</b> June 15, 2021	<b>INSP. TIME:</b> 12:30
<b>OPERATOR:</b> Summit Brick & Tile Co.	<b>OPERATOR REPRESENTATIVE:</b> Julie Welte	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Partial Bond	<b>BOND AMOUNT:</b> \$49,166.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> October 22, 2021	

### 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>NA</u>	(SF) PROCESSING FACILITIES-----	<u>Y</u>	(TS) TOPSOIL-----	<u>Y</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 / 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 Ms. Julie Welte. 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 2021. The previous inspection was on June 22, 2016. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are privately owned by JAT Investments LLC.

Acid And Toxic Materials: No acid or toxic materials are stored or used on site.

Backfilling and Grading: Sufficient backfill material appeared to be available.

Excess Spoil and Dev. Waste: Ms. Welte explained overburden was used to backfill the area on the north end of the permit area (see **Photo 1**).

Explosives: The mine has filed a blasting plan with DRMS (July 2002). Ms. Welte stated blasting has not been performed recently, but will be required to mine through the thicker sandstone top layer above the clay (see **Photo 2**). There are three structures (based on Google Earth observations) within a quarter mile of the active pit: one to the northeast and two to the southwest on the other side of the ridge being mined (see **Figure 1**).

Financial Warranty: The \$49,166 bond held by the DRMS was last updated in 1993 for the conversion to a 112 permit and included 20 acres of disturbance. This amount is adequate for the reported 9.1 acres of mine disturbance, which includes roughly an acre of backfill.

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. The maximum allowed disturbed area is 20 acres. Google Earth was used to measure the disturbed area, which was estimated to be approximately 7.5 acres, based on 2019 imagery. Highwalls vary in height from over 30 feet (see **Photo 2**) to less than 10 feet (see **Photo 3**) due to the nature of the ridge being mined. Highwalls appeared relatively stable, with little chance of an offsite impact should a failure occur. Ms. Welte stated the near future plan is to mine downward, rather than expanding the pit area disturbance.

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

Processing Waste: No processing waste was observed.

Roads: CR 62 is graveled and adjacent to the affected area. On site roads are temporary and used only for truck loading and turn arounds. As such there are no roads in the permit area requiring maintenance.

Right of Entry: JAT Investments, LLC is the owner of both the surface and the clay mineral rights for the 8-Mile Clay mine. Ms. Welte explained JAT is the mine property ownership arm of Summit Brick. Subsequent to the

inspection, she provided the DRMS with a copy of the clay mining lease with JAT Investments, LLC for the 8-Mile mine.

Reclamation Success: The Operator has placed additional backfill in the northern end of the pit since the previous inspection (see **Photo 1**).

Revegetation: Ms. Welte indicated they had seeded the northwest corner (see **Photo 4**). 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 5**). Boundary markers (see **Photo 6**) were observed along the north and east boundary. Locations of the observed markers were recorded using a handheld Trimble Juno 3B GPS unit to delineate the permit boundary (see **Photo 7**).

Permit Stipulations: There is a stipulation from December 1, 1994 recommending highwalls not exceed 40 feet for final reclamation.

Storm Water MGT Plan: No oil or fuel spills observed. Stormwater drains to the pit and infiltrates.

Topsoil: Topsoil stockpiles are labeled as such (see **Photo 8**) and appeared to have sufficient volume for reclamation.

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



## PHOTOGRAPHS



Photo 1. Overburden backfill on north end of pit (looking NW).

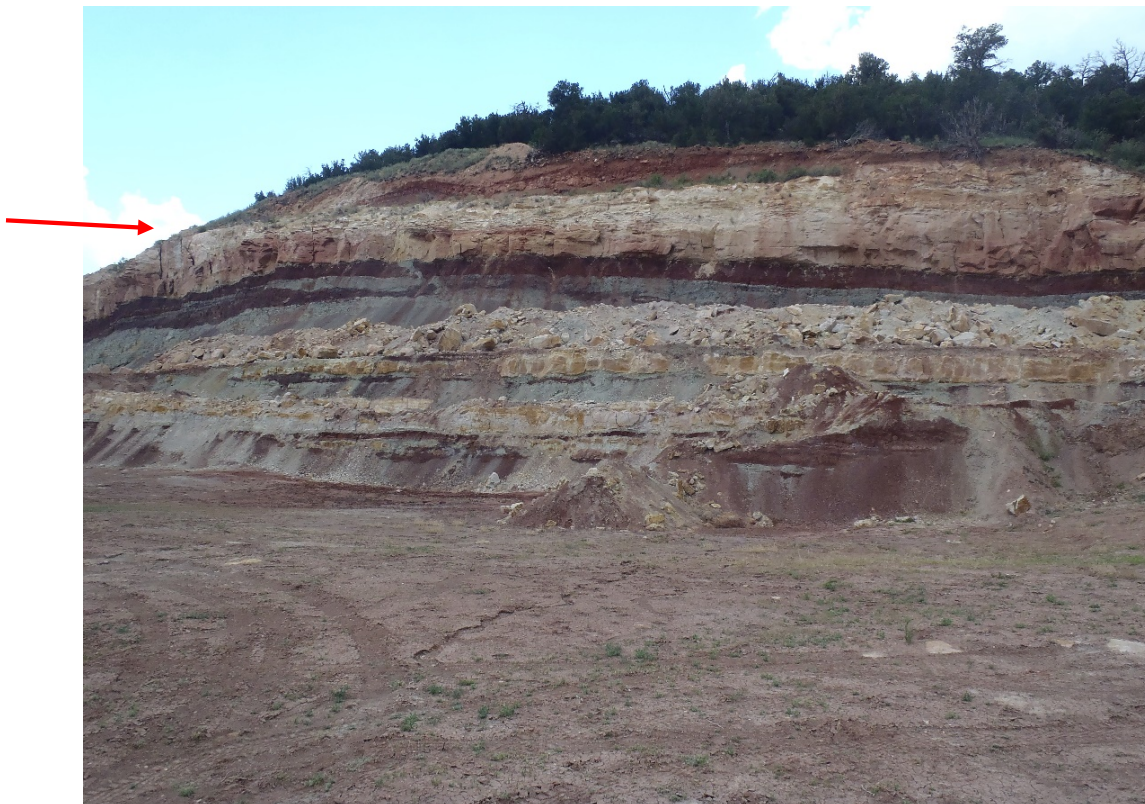


Photo 2. Working highwall (looking SW, note limestone layers that will require future blasting).



**PHOTOGRAPHS (cont.)**



Photo 3. Shorter highwall in NW corner (looking south, backfill in foreground).



Photo 4. Seeded area in NW corner of pit (looking west).



**PHOTOGRAPHS (cont.)**



Photo 5. Permit sign (off CR 62 – south of pit).



Photo 6. Typical T-post boundary marker.



**PHOTOGRAPHS (cont.)**



Photo 7. Handheld GPS recording boundary marker location.



Photo 8. Topsoil stockpile with sign (looking south).

**Inspection Contact Address**

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

Enclosure: Figure 1

ec: DRMS file  
Julie Welte, Summit Brick



# Figure 1. 2021 8-Mile Clay Mine Post Inspection Map

Satellite imagery from 10/5/2021  
GPS positions obtained 6/15/2021

Affected area boundary based on CN-1

## Legend

- Boundary Markdres from GPS
- M-77-320 1/4-mile Radius
- M-77-320 Affected Area Boundary
- M-77-320 Disturbed Area
- M-77-320 Nearby Structures

