



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: Stocks Clay Mine	MINE/PROSPECTING ID#: M-1977-324	MINERAL: Clay (general)	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: August 1, 2018	INSP. TIME: 14:00
OPERATOR: Summit Brick & Tile Co.	OPERATOR REPRESENTATIVE: Mike Leidich & Mark Jesik	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$38,500.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 16, 2019

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The west side affected area boundary markers are missing or incorrectly placed. This is a problem for failure to maintain boundary markers around the affected area as required by Section 3.1.12(2) of the rule.

CORRECTIVE ACTIONS: The operator shall conduct a survey and replace the west side boundary markers in the correct location(s). The operator shall provide proof to the Division that this has been done by the corrective action date.

CORRECTIVE ACTION DUE DATE: 3/18/19

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 Brick & Tile Co.) was represented by Messrs. Mike Leidich and Mark Jesik who were unable to stay for the duration of the inspection due to a schedule conflict. The Stocks Clay Mine is accessed from Red Canyon Road (Co Road 9), approximately 4.5 miles north of Cañon City. This is a 112c clay mine. The mine was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through February 2018. The previous inspection was on June 19, 2014. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are privately owned. This permit was converted to a 112c in 1993. TR-01 revised the backslopes to 2H:1V in 1998.

Backfilling and Grading: The southeast area of the site has been graded. Some backfill material appeared to be available for the active pit area (see **Photo 1**).

Explosives: The mine has filed a blasting plan with DRMS.

Financial Warranty: The \$38,500 bond held by the Division is adequate for the observed mine disturbance.

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. Google Earth (2016 imagery) and data collected during the inspection using a handheld GPS unit (Juno 3B) was used to measure the disturbed area, which was estimated to be approximately 13 acres (see enclosed **Stocks Clay Mine 2018 Post Inspection Map**). This is well below the maximum allowed disturbance of 18.1 acres. It should be noted approximately 3.3 of those 13 acres are in active reclamation (southeast corner). Mine representatives indicated they are near to completing mining operations. Highwalls were estimated to vary between 15 and 20 feet in height (see **Photo 2**).

Off-site Damage: The east portion of the operation appeared to be confined to the permit boundary, based on observed boundary markers and Google Earth review. It is not certain if the west portion is entirely within the permit boundary as no boundary markers could be located (see Signs and markers discussion below).

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

Reclamation Success: As discussed above under "Gen. Compliance with Mine Plan" the southeast portion of the site is in active reclamation (see **Photo 3**).

Revegetation: Revegetation has been initiated in the southeast portion of the site. 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: A drill rig (see **Photo 4**) and generator were observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 5**) and boundary markers were observed to delineate the affected area boundary on the east end (see **Photo 6 and 7**). **The missing boundary markers for the active west portion of the pit is cited as a problem on page 1 of this report.**

Permit Stipulations: As part of the approved conversion to a 112c permit in 1993, the Operator agreed to the following: Subject to field delineation by the Division, that portion of the Joe Stock property disturbed by the

unpermitted mining of moss rock by American Stone and Landscaping and referred to in Notice of Violation M-93-018 is excluded from inclusion in the approved, expanded permit area of M-77-324 until reclamation of the mining has been completed. This exclusion will only extend to that area of the unpermitted moss rock mining that lies outside of the affected area approved for permit M-77-324 as a result of the approval of the [conversion]. It should be noted the unpermitted moss rock operation was permitted by the DRMS (DMG at the time) and released later in 1995. However, upon leaving this site, it appeared moss rock collecting operations may have resumed and a new permit for that activity is needed. This is addressed under a new permit ID number, M-2019-003.

Storm Water MGT Plan: No oil or fuel spills observed.

Topsoil: A topsoil stockpile was observed and labeled as such in between the east and west sides of the site (see **Photo 8**).

Structures: No structures were observed within 200 feet of the affected area.

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. Backfill material available for the active pit area (looking west).

PHOTOGRAPHS (cont.)



Photo 2. 15 to 20 highwall in active pit (looking west).



Photo 3. Southeast portion of the site in active reclamation (from access road, looking east).

PHOTOGRAPHS (cont.)



Photo 4. Drill rig & typical boundary marker (south side, looking NW).



Photo 5. Permit sign (at affected area boundary).

PHOTOGRAPHS (cont.)



Photo 6. Typical boundary marker (north side, looking NW).



Photo 7. Typical boundary marker (north side, looking south).

PHOTOGRAPHS (cont.)



Photo 8. Topsoil stockpile with sign (circled), looking NE.

Inspection Contact Address

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

Enclosure

ec: DRMS file
Mike Leidich (Summit Brick)

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each







(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>N</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>PB</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</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

Stocks Clay Mine 2018 Post-Inspection Map

- * Satellite Imagery from 6/15/2016.
- * Permit Area boundary based on 1993 CN-01 Exhibit C, Mining Map overlay.
- * All boundaries are approximate.
- * T-post & West Disturbance area GPS data collected 8/1/2018.

Legend

-  Affected Area Boundary
-  East Disturbance
-  Permit Boundary
-  Reclaimed Area
-  T-post
-  West Disturbance Area

