



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: Calhan Clay Pit	MINE/PROSPECTING ID#: M-1993-080	MINERAL: Clay (general)	COUNTY: El Paso
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: May 9, 2018	INSP. TIME: 16:00
OPERATOR: The Summit Pressed Brick and Tile Company	OPERATOR REPRESENTATIVE: Mike Leidich	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$19,183.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 29, 2018

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: Financial Warranty

PROBLEM/POSSIBLE VIOLATION: Problem: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The operator shall submit adequate financial warranty, as determined by the Division. The Division will be sending a separate surety increase notice to the operator regarding the increase of the financial warranty. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 12/28/18

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Permittee (The Summit Pressed Brick and Tile Company) was represented by Mr. Mike Leidich during the inspection. The Calhan Clay Pit is accessed from South Fairplay Rd. ¾ mile south of Hwy 24 and approximately three miles southwest of Calhan. This is a 112c clay mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through April 2018. The previous inspection was on February 12, 2014. The approved post-mine land use is rangeland. There are no open infractions. The financial warranty was last updated in 1994.

Backfilling and Grading: Sufficient backfill material appeared to be available, allowing for material to be pushed down from the top on the north and east side of the pit.

Financial Warranty: The \$19,700 bond held by the Division is inadequate for the observed mine disturbance. **The inadequate bond is cited as a Problem on page 1 of this report.** A revised reclamation cost summary is enclosed.

Fish and Wildlife: A dead skunk was observed on the pit floor, but no evidence suggested it was related to the mining operation. 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 was used to measure the disturbed area, which was estimated to be approximately 8.9 acres, based on June 2017 imagery (see enclosed **Post Inspection Map**). Highwalls were estimated to vary between 8 and 12 feet on the east side and 12 to 15 feet on the west side. The highwalls appeared stable (see **Photo 1**). The pit floor slopes somewhat to the east, and primarily towards the south end (see **Photo 2**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review (see enclosed **post inspection map**).

Reclamation Success: No reclamation has been initiated.

Revegetation: No revegetation had been initiated. No noxious weeds were observed.

Sediment Control: The pit walls exhibited some erosion (see **Photo 3**), but no BMPs were needed at the time of the inspection.

Support Facilities On-site: A loader was observed on site (see **Photo 4**).

Signs and Markers: The permit sign was properly posted (see **Photo 5**) and boundary markers were observed to delineate the permit boundary in the way of berms on the west, north and east sides (see **Photo 6**). A T-post was observed on the southeast corner (see **Photo 7**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Stormwater drains to the pit or is diverted away by the

berms and directed towards the southeast corner to discharge. No erosion was observed at the discharge point.

Topsoil: A topsoil stockpile was observed on the west side of the pit, appeared stable and was labeled as such (see **Photo 8**).

Structures: The only observed structure is the fence along Fairplay Lane.

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. Stable highwalls (west side, looking north).

PHOTOGRAPHS (cont.)



Photo 2. Pit floor, sloping east and south (looking south).



Photo 3. Pit wall erosion (NW corner, looking south).

PHOTOGRAPHS (cont.)



Photo 4. Loader (east side, looking north).



Photo 5. Permit sign at entrance.

PHOTOGRAPHS (cont.)



Photo 6. East side berm boundary marker (looking south).



Photo 7. T-post boundary marker (SE corner, looking west).

PHOTOGRAPHS (cont.)



Photo 8. Topsoil stockpile with sign (west side, looking north).

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----- PB	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</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>NA</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>NA</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

Inspection Contact Address

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Attachments

EC: DRMS file
Mike Leidich, Summit Brick

M-1993-080 2018 Post Inspection Map

Satellite imagery from 6/13/2017
Permit boundary based on 1993 pre-mine map

Legend

-  6/13/2017 Disturbed Area
-  Approximate Permit Boundary
-  Calhan Clay Pit

Calhan Clay Pit

S Fairplay Rd

~8.9 ACRES DISTURBED