




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: Cedarwood Clay Mine	MINE/PROSPECTING ID#: M-1977-317	MINERAL: Clay (general)	COUNTY: Pueblo
INSPECTION TYPE: Monitoring	INSPECTOR(S): Tyler V. O'Donnell	INSP. DATE: March 16, 2016	INSP. TIME: 09:00
OPERATOR: Summit Brick & Tile Co.	OPERATOR REPRESENTATIVE: Mat Welte	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$77,743.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 21, 2016	

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>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</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>N</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>N</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 routine monitoring inspection was conducted by Tyler O'Donnell (Division). Summit Brick and Tile Co. (Operator), was represented by Mat Welte during the inspection.

The Cedarwood Clay Mine is located in Pueblo County approximately 4.25 miles southeast of Colorado City, Colorado. The Cedarwood Clay Mine is a 93.25-acre 112c Construction Materials Reclamation Permit. The original 110c permit was issued in December of 1978. The Permit was converted to an 112c in December 2010. The primary commodity mined at the site is clay, for making bricks, the secondary commodity being mined is sandstone. The Permittee lets a third party mine and remove the sandstone exposing the clay. The approved post-mining land use is rangeland. The mine site was surrounded by the following land uses: rural residential, historic clay mining, and rangeland.

During the inspection, the sky was clear and the ground was dry. The mining operation was not active during the inspection. It appears that the site sees frequent activity, primarily hauling out of stockpiles. At the present time it appears that the mining operation has affected approximately 16 acres throughout the life of mine. It appears that the Operator is conducting partial concurrent reclamation. Portions of the affected lands have been backfilled with waste rock and overburden. No problems or possible violations were noted during the inspection.

Backfilling and Grading:

The mining operation was expanding to the east, down off of the creek bench/terrace. There were several stockpiles of clay, crushed sandstone, and sandstone for decorative rock scattered throughout the affected lands. There were several small active mining faces scattered around the site. Many of the active mining faces have created shallow vertical highwalls. The highwalls ranged in height from about 5 to 15 feet high. In general the site currently daylight to the east/northeast. When completing final reclamation, the Operator will need to grade all slopes to 3H:1V or flatter to comply with the approved reclamation plan.

Financial Warranty:

The current amount of financial warranty the Operator has on deposit with the State is \$77,743. The reclamation cost estimate for this site was updated during the file review for this inspection. It was determined that the current required financial warranty amount is adequate.

Hydrologic Balance:

The site was dry, no exposed groundwater was observed during the inspection. When conducting final grading for reclamation the Operator will need to try to control surface drainage to create as much positive drainage as possible. There was no evidence of excessive erosion. There appeared to be no significant impacts to the prevailing hydrologic balance.

Gen. Compliance With Mine Plan:

The operation appeared to be following the approved Mine Plan. All mining activity appeared to be within the approved boundary

Roads:

All haul roads were stable and appeared to be well maintained.

Revegetation:

There was some plant growth throughout the affected lands. The growth in the affected areas appeared to be volunteer vegetation, comprised primarily of annual weeds, and native grasses. No noxious weeds were

observed during the inspection. The Operator is advised to continue to monitor the site for noxious weeds and treat noxious weeds if weeds appear within the affected land boundary.

Sediment Control:

Erosion/Sedimentation:

There was no evidence of excessive erosion (gullies, or sediment fans). There was a natural Arroyo in the southern portion of the site near the stockpiling area, the Operator has attempted to protect the affected lands from the Arroyo. The arroyo appeared to be a natural feature or a preexisting feature, which has expanded over time.

Signs and Markers:

A mine I.D. sign required by Rule 3.1.12(1), was posted at the entrance to the mine site. The affected land boundary appeared to be marked by t-posts and a barbwire fence.

Topsoil:

There was adequate topsoil stockpiled on site to conduct the approved reclamation plan. There were several partially vegetated topsoil stockpiles and topsoil berms within the affected lands. It appears that the Operator had been salvaging topsoil in advance of mining and the mining related disturbance. The topsoil stockpiles and berms had adequate vegetative cover to protect topsoil from erosion.

Inspection Contact Address

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cc: Wally Erickson, DRMS

PHOTOGRAPHS



Photo 1: Highwall on top of the river bench/terrace.



Photo 2: Shallow excavation on top of the river bench/terrace.



Photo 3: Stockpile of crushed sandstone for road base. The sandstone is being processed and stockpiled by a third party.



Photo 4: Topsoil bermed up around the stockpiling area.