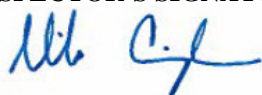


**COLORADO**Division of Reclamation,
Mining and Safety

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: North Chieftain	MINE/PROSPECTING ID#: M-1978-014	MINERAL: Clay (general)	COUNTY: Jefferson
INSPECTION TYPE: Monitoring	INSPECTOR(S): Michael A. Cunningham	INSP. DATE: May 30, 2017	INSP. TIME: 14:15
OPERATOR: General Shale Brick, Inc.	OPERATOR REPRESENTATIVE: Jason McGraw	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$73,431.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 18, 2017	

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>N</u>	(RD) ROADS-----	<u>N</u>
(HB) HYDROLOGIC BALANCE-----	<u>Y</u>	(BG) BACKFILL & GRADING-----	<u>N</u>	(EX) EXPLOSIVES-----	<u>NA</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>N</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>N</u>	(RS) RECL PLAN/COMP--	<u>N</u>
(AT) ACID OR TOXIC MATERIALS-----	<u>NA</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

The inspection was conducted by Michael Cunningham of the Division of Reclamation, Mining and Safety (Division). Jason McGraw was present of behalf of General Shale Brick, Inc. The North Chieftan Mine is located northeast of the West Alameda Parkway overpass at Highway C-470 in Jefferson County. The commodity of interest is clay and the post-mining land use is rangeland.

The operation is permitted for 126.4 acres of disturbance and the Operator has currently affected 39 acres. No mining was occurring at the time of the inspection. The Operator performs mining campaigns in which material is mined over a period of several months and is stockpiled for later removal and transport to processing facilities. The Operator informed the Division a mining campaign will be conducted this year. The mining operation will be conducted in 3 Phases, all existing disturbance is contained within Phase 1.

The pit is located on the west side of Phase 1 and is approximately 10 acres in size. The Operator has created a highwall along the western edge of the pit, which is approximately 500 ft. in length and ranges between 3 ft. to 15 ft. in height. Topsoil and overburden have been salvaged and are stockpiled to the east of the pit. The topsoil and overburden stockpiles are vegetated and stable. In addition, there are several product stockpiles located on the level area to the east of the pit. The Operator periodically hauls material from these stockpiles.

The Operator has not performed any reclamation at the North Chieftan mine to date. The Operator routinely monitors for noxious weeds. The Division did not observe any noxious weeds during the inspection.

The Division currently holds a financial warranty in the amount of \$73,431.00. The financial warranty was last adjusted in 2008 when the permit was transferred from Robinson Brick Company to General Shale Brick, Inc. The Division will evaluate the adequacy of the financial warranty as a part of the inspection. Notice of an increase to the financial warranty will be sent under separate cover.

The permit sign was posted at the site entrance and the boundary of the affected area was clearly delineated.

PHOTOGRAPHS



1. Permit sign at site entrance.



2. North end of pit, facing north.



3. Pit highwall, facing west.



4. Topsoil stockpile.



5. Overburden stockpile.

Inspection Contact Address

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CC: Wally Erickson, DRMS