


**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: Hogback Mine	MINE/PROSPECTING ID#: M-1980-245	MINERAL: Clay (general)	COUNTY: Douglas
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter S. Hays	INSP. DATE: July 28, 2017	INSP. TIME: 13:00
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: None	BOND AMOUNT: \$236,538.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: August 28, 2017

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 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 boundary markers in the correct location(s). The Operator shall provide proof to the Division that this has been done and submit map of the survey results by the corrective action date.

CORRECTIVE ACTION DUE DATE: 9/27/17

INSPECTION TOPIC: Public Safety

PROBLEM/POSSIBLE VIOLATION: Problem: The mine stopes have become a public safety hazard due to the establishment of residential homes surrounding the mine site and the ease of access to the mine site.

CORRECTIVE ACTIONS: The Operator must submit a technical revision, pursuant to Rule 1.9, explaining how the mine site will be additionally safe guarded to prevent access to the mine site and stopes. The technical revision must include a timeframe for implementation of the safe guarding installation.

CORRECTIVE ACTION DUE DATE: 10/27/17

OBSERVATIONS

The Hogback Mine was inspected by Peter Hays, Wally Erickson and Tony Waldron with the Division of Reclamation, Mining and Safety (Division/DRMS) following an incident at the site on July 23, 2017. The site was previously inspected by the Division on December 29, 2016. Mr. Jason McGraw with General Shale Brick, Inc. was present during the inspection.

On July 23, 2017, a fourteen year old boy fell 100 feet down a mine stope located in the southern portion of the site while trespassing on the property. The boy was rescued by West Metro Fire and his injuries were reported to be non-life-threatening. Access to the mine site and the stopes are protected with barbed wire fence and Do Not Enter signage.

The Legislative Declaration of the Colorado Land Reclamation Act for the Extraction of Construction Materials states it is the intent of the general assembly to conserve natural resources, to aid in the protection of wildlife and aquatic resources, to establish agriculture, recreational and industrial sites and to protect and promote the health, safety, and general welfare of the people of this state.

The mine site is easily accessed by hikers in the area. The Division observed evidence of erosion from apparent foot traffic across the upper clay pillars and evidence of people repelling down the stopes. As cited as a problem, the mine stopes have become a public safety hazard due to the establishment of residential homes surrounding the mine site and the ease of access to the mine site. The Division will require the Operator to submit a technical revision, pursuant to Rule 1.9, explaining how the mine site will be additionally safe guarded to prevent access to the mine site and stopes. The technical revision must include a timeframe for implementation of the safe guarding installation. The technical revision must be submitted to the Division within 60 days of the signature date of this inspection report.

The Operator stated the Mine Safety and Health Administration (MSHA) inspected the site following the incident and did not cite a violation. The Division requests the Operator provide the Division a copy of the MSHA inspection report when available.

During the inspection, it was difficult to determine if the mine stopes were located within the permit boundary due to the lack of boundary markers in the area. As cited as a problem, the Operator shall conduct a survey and replace the boundary markers in the correct location(s). The Operator shall provide proof to the Division that this has been done and submit map of the survey results by the corrective action date.

Inspection Contact Address

Mr. Jason McGraw
General Shale Brick, Inc.
1845 W. Dartmouth Ave.
Denver, CO 80110

Ec: Wally Erickson, DRMS

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>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>PB</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(CI) COMPLETE INSP---- <u>N</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>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