




**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.

|   |  |  |                             |
|---|--|--|-----------------------------|
| <b>MINE NAME:</b><br>Navajo Clay Pit                | <b>MINE/PROSPECTING ID#:</b><br>M-1993-004   | <b>MINERAL:</b><br>Clay (general)                                  | <b>COUNTY:</b><br>Elbert    |
| <b>INSPECTION TYPE:</b><br>Monitoring               | <b>INSPECTOR(S):</b><br>Peter S. Hays  | <b>INSP. DATE:</b><br>November 30, 2017                            | <b>INSP. TIME:</b><br>11:00 |
| <b>OPERATOR:</b><br>General Shale Brick, Inc.       | <b>OPERATOR REPRESENTATIVE:</b><br>Jason McGraw  | <b>TYPE OF OPERATION:</b><br>112c - Construction Regular Operation |                             |
| <b>REASON FOR INSPECTION:</b><br>Normal I&E Program | <b>BOND CALCULATION TYPE:</b><br>Partial Bond  | <b>BOND AMOUNT:</b><br>\$48,297.00                                 |                             |
| <b>DATE OF COMPLAINT:</b><br>NA                     | <b>POST INSP. CONTACTS:</b><br>None  | <b>JOINT INSP. AGENCY:</b><br>None                                 |                             |
| <b>WEATHER:</b><br>Clear                            | <b>INSPECTOR'S SIGNATURE:</b><br> | <b>SIGNATURE DATE:</b><br>December 12, 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>Y</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>N</u>       | (RV) REVEGETATION---- <u>N</u>  |
| (SM) SIGNS AND MARKERS----- <u>Y</u>       | (SP) STORM WATER MGT PLAN---- <u>N</u>   | (RS) RECL PLAN/COMP-- <u>N</u>  |
| (ES) OVERBURDEN/DEV. WASTE----- <u>N</u>   | (SC) EROSION/SEDIMENTATION--- <u>Y</u>   | (ST) STIPULATIONS----- <u>N</u> |
| (AT) ACID OR TOXIC MATERIALS----- <u>N</u> | (OD) OFF-SITE DAMAGE----- <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 Navajo Mine was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The site was previously inspected by the Division on August 12, 2014. Mr. Jason McGraw with General Shale Brick, Inc. was present during the inspection.

The Division currently holds a financial warranty in the amount of \$48,297.00, which appears adequate to reclaim the site based on this inspection. The mine sign and boundary markers were observed as required by Rule 3.1.12. All mining disturbance was contained within the permit boundary.

The site is permitted for 200 total acres with a maximum allowed disturbed acreage of 25 acres. The site is campaign mined by the Operator. Clay is mined for a period time, stockpiled on-site and transported to the processing facility in Lakewood for the production of bricks as needed by the Operator. The site was not active during the inspection. The Operator reported the last mining activity occurred in 2000 and the most recent removal of stockpiled material from the site occurred in 2016.

The site status was accurately depicted by the Operator in the 2017 Annual Report. The site consists the mine pit in the northwest corner of the site, a stockpile area located southeast of the pit with a stormwater detention pond in the southwest corner of the stockpile area and an access road from the northeast corner of the site to the stockpile area. The mine pit was approximately 35 feet deep and contained groundwater. The Operator has a valid well permit (65324-F) and water rights (Colorado Groundwater Commission Determination No. 1029-D) according to the Division's records. The pit slopes were estimated at 1.5H:1V with numerous erosion gullies. The erosion features were contained to the pit area and did not pose a threat to effect off-site areas. The pit will be mined to the west when mining operations commence. The stockpile area contained a small stockpile of clay. The Operator stated the site would be mined soon to produce material stockpiles. The stormwater detention pond contained water and appeared to be function as designed with no evidence of erosion at the inlet or outlet of the pond.

The approved post mining land use is rangeland. Well vegetated stockpiles of topsoil and overburden were observed west of the pit excavation.

Photographs taken during the inspection are attached.

### **Inspection Contact Address**

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

Ec: Wally Erickson, DRMS

## PHOTOGRAPHS



Navajo Mine sign



Stockpile area containing a small material stockpile looking east from the west side of the area





View of the stormwater detention pond from the south side looking north



View of the mine pit from the south side looking north