



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
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: Siloam Mine	MINE/PROSPECTING ID#: M-1977-326	MINERAL: Clay (general) and ag	COUNTY: Pueblo
INSPECTION TYPE: Monitoring	INSPECTOR(S): Tyler V. O'Donnell	INSP. DATE: November 13, 2015	INSP. TIME: 14:35
OPERATOR: General Shale Brick, Inc.	OPERATOR REPRESENTATIVE: Jason McGraw	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$28,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: <i>Tyler O'Donnell</i>	SIGNATURE DATE: February 5, 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>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>NA</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>	(SW) STORM WATER MGT PLAN---- <u>Y</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</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>Y</u>	(ST) STIPULATIONS----- <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

OBSERVATIONS

This routine monitoring inspection was conducted by Tyler O'Donnell and Wally Erickson of the Division of Reclamation, Mining and Safety (Division). General Shale and Brick, the Operator, was represented by Jason McGraw during the inspection. The Colorado State Land Board, the mineral rights owner, was represented by Phil Courtney during the inspection. This inspection was conducted in conjunction with two other routine monitoring inspections. The Division inspected the Bedrock Mine No. 1 (DRMS File No. M-1997-086) and the Pinon Mine (DRMS file No. M-1997-094) both sites are operated by Siloam Stone. These three sites all share common permit boundaries.

The Siloam Mine is located in Pueblo County approximately 20 miles southwest of Pueblo, Colorado. The Pinon Mine is a 9.90-acre 110c Construction Materials Reclamation Permit. The permit was issued in November of 1977. The primary commodity mined at the site is clay. The approved post-mining land use for the quarry is rangeland. The mine site was surrounded by the following land uses: industrial/commercial, 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 no mining has taken place in quite a while. However it appears that the Operator semi-frequently removes product out of the product stockpiles. The Operator mines and stockpiles clay after the adjoining operator removes the overlaying sandstone. At the present time it appears that the mining operation has affected the entire permit area throughout the life of mine. No problems or possible violations were noted during the inspection.

Backfilling and Grading:

There was a highwall. The highwall was approximately 500 feet long and was approximately 10 to 15 feet high.

Financial Warranty:

The current amount of financial warranty the Operator has on deposit with the State is \$28,000.00. The reclamation cost estimate for this permit was updated with this inspection. It was determined that the current financial warranty amount is adequate to conduct the approved reclamation plan.

Hydrologic Balance:

The site was dry, no exposed groundwater was observed during the inspection. There appeared to be no significant impacts to the prevailing hydrologic balance. A small pond of captured stormwater was observed on or near the boundary between the Siloam Mine and the Bedrock Mine No.1 (DRMS file No. M-1997-086). When conducting final reclamation the Operator is encouraged to work with Siloam Stone to reclaim the site to gain positive drainage.

Gen. Compliance With Mine Plan:

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

Roads:

All haul roads were stable and appeared well maintained.

Revegetation:

There was plant growth on the overburden and topsoil stockpiles, and throughout the rest of the affected lands. The growth in the affected areas appeared to be volunteer vegetation, comprised of annual weeds, and native grasses. A few tamarisk trees were observed around the product stockpiles. At the present time the presence of

tamarisk trees will not be cited as a problem, due to the limited number of trees. The Operator is advised to continue to monitor and treat noxious weeds if the weeds appear within the permit boundary. The Operator should also consider mowing the annual weeds prior to seed production, to prevent the spread of annual weeds.

Erosion/Sedimentation:

There was no evidence of excessive erosion (rills, gullies, or sediment fans).

Signs and Markers:

A mine I.D. sign required by Rule 3.1.12(1), was posted at the entrance to the mine site.

Topsoil:

There was adequate topsoil stockpiled on site to conduct the approved reclamation plan. There were topsoil stockpiles scattered around the perimeters of the site. Many of the topsoil stockpiles have adequate vegetative cover to protect the topsoil from wind and water erosion.

Inspection Contact Address

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

CC: Wally Erickson, DRMS

Phillip Courtney
State Board of Land Commissioners
1127 Sherman Street, Room 300
Denver, CO 80203

PHOTOGRAPHS



Photo 1: Highwall along the right-hand side of the photo.



Photo 2: Captured stormwater ponds in the southeast corner of the permit boundary.



Photo 3: Product stockpiles.



Photo 4: Tamarisk trees circled with the red dashed line.