




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: Stone Canyon Quarry	MINE/PROSPECTING ID#: M-2012-018	MINERAL: Stone (Moss Rock)	COUNTY: Boulder
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: April 6, 2017	INSP. TIME: 11:05
OPERATOR: Stone Canyon Quarry, LLC	OPERATOR REPRESENTATIVE: Bernard Buster	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$2,125.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 2, 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>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>NA</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING----- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>NA</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION----- <u>NA</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN----- <u>Y</u>	(CI) COMPLETE INSP----- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</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 was a normal monitoring inspection of the Stone Canyon Quarry (Permit No. M-2012-018) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Bernard Buster represented the operator during the inspection. The site is located approximately 3 miles northeast of Lyons, Colorado in Boulder County. The site can be accessed from the east via Stone Canyon Drive. The affected land is owned by Bernard and Brenda J. Buster, and Joshua Buster.

This is a 112c operation permitted for 31 acres (see enclosed Google Earth image of site) to extract surface moss rock for use as building or landscaping material. The moss rock lies on the ground surface or is partially buried in the ground. However, rock at the ground surface is most ideal for the operation given that moss does not grow on buried rock. The moss rock is to be picked up or levered from the ground and transported by machine to a more level area to be palletized and stored. The primary stone storage area is to be adjacent to the main access road in the eastern portion of the site. The dispersal of rocks at the surface can be attributed to the numerous abandoned prospecting holes and small sandstone quarries that exist on the property. Over time, lichen (i.e., moss) has grown on these rocks, forming the valued "moss rock". Removal of topsoil and/or overburden is not required for this operation, as the product is mostly available at the surface. The operation intends to minimize disturbance by affecting no more than once acre at a time. No new roads are to be constructed by the operation, as there are existing roads and trails that can be utilized. Existing roads will remain after reclamation.

The approved reclamation plan includes broadcast seeding disturbed land with a foothills seed mixture recommended by the local soil conservation district. The approved post-mining land use is residential. The operator currently resides on the property, but the home and immediately surrounding area are excluded from the approved permit area. An outbuilding is present inside the eastern portion of the permit area along the access road. This outbuilding is owned by the operator and included some existing disturbance around the structure that will not be reclaimed.

At the time of the inspection, it was clear and sunny. The permit boundary was delineated by property fences along the northern and western boundaries, by Stone Canyon Drive along the eastern boundary, and by corner posts for the other portions. The site was not active during the inspection. However, according to Mr. Buster, the site is operated every year, which is in compliance with its approved intermittent status. The Division estimates that no more than one acre has been disturbed at this time, including the palletized stone storage area adjacent to the main access road (**Photo 1**), and a few stacks of stone scattered along the two-track road present at the southern edge of the permit area (**Photos 2-5**). A few of the stacks of stone along the two-track road are very close to the southern permit boundary. Therefore, the operator should be very mindful of this when operating in this area, so as not to disturb land outside of the approved permit boundary. All stone extracted by the operation should be stored within the permitted area. It should be noted that a rock pile is present just south (and outside) of the southern permit boundary (**Photo 6**). However, this rock pile did not appear to have been created or disturbed by the permitted operation. In review of historical imagery of the site available in Google Earth, the rock pile appears to have been present at least as far back as 1999, which was well before the current operation was permitted.

The Division currently holds a financial warranty for the site in the amount of \$2,125.00 for one acre of disturbance. Because the operation has disturbed less than one acre, the Division believes the financial warranty is sufficient for reclaiming current disturbance in accordance with the approved reclamation plan.

No problems were observed, and the site appeared to be stable. This concluded the inspection.

PHOTOGRAPHS



Photo 1. View looking north across palletized stone storage area adjacent to main access road.



Photo 2. View looking south, showing palletized stone stored at southern edge of permit area, south of the two-track road.



Photo 3. View looking north, showing palletized stone stored in southern portion of permit area, north of the two-track road.



Photo 4. View looking northeast, showing palletized stone stored in southern portion of permit area, north of the two-track road.



Photo 5. View looking west, showing two-track road present in southern portion of permit area.



Photo 6. View looking south, showing old rock pile present south (and outside) of permit area.

Inspection Contact Address

Brenda Buster
Stone Canyon Quarry, LLC
2495 CR 37E
Lyon, Co 80540

Enclosure: Google Earth image of site

CC: Wally Erickson, DRMS

M2012-018 / Stone Canyon Quarry / Stone Canyon Quarry, LLC

Red Outline = 31 acres = Approved Permit Area
(Image data from 9/7/2016)

