




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: Barnard Quarry	MINE/PROSPECTING ID#: M-1996-079	MINERAL: Sandstone	COUNTY: Boulder
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: April 27, 2022	INSP. TIME: 09:30
OPERATOR: Barnard Quarry, LLC	OPERATOR REPRESENTATIVE: Sherri Gerhardt	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$22,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 9, 2022

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>Y</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>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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The Barnard Quarry was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. The site was previously inspected by the Division on February 24, 2015 during a routine monitoring inspection. Sherri Gerhardt, daughter of the operator/permittee, accompanied me during the inspection. The weather was clear.

This is a 110c operation permitted for 9.9 acres. The permit is to mine sandstone for building materials and decorative use. The mine is located on property owned by Barnard Quarry, LLC. The mine is located in Boulder County. The site entrance is located 2.5 miles north of Lyons, CO. The approved post-mining land use wildlife habitat. A mine sign was posted at the mine entrance pursuant to Rule 3.1.12.

Prior to the inspection the Division had been contacted by an individual, Brett Hardt, interested in purchasing the property where the permit is located. Brett wanted to know general permitting questions including what needed to be done to continue mining at the site and if the post mining land use could be changed to residential. At this time it is unclear whether Brett will assume the permit through a Succession of Operators Application and continue mining or have the site reclaimed.

During the inspection the Division found out the operator/permittee, Chester Barnard, had passed away and his daughter, Sherri Gerhardt, was now managing Chester's assets. In order for Sherri to conduct permitting actions for the Barnard Quarry a copy of the Death Certificate along with an affidavit showing Sherri is the executor of Chester's estate will need to be submitted to the Division.

It does not appear the site has been active for number of years. There are two pits, a main pit located in the northeastern corner of the permit area and another small depression towards the center of the permit area along the western boundary. The main pit has standing water that pre-dates the permit and is sampled twice a month with sample results submitted to the state. It appears the permit to the east, Beech Hills Quarries M1981-277, has mined into Barnard Quarry permit area. Beech Hills is operated by Loukonen Brothers Stone Company and would need to demonstrate legal right of entry to mine on the Barnard Quarry site.

The approved post-mining land use for the site is wildlife habitat. For reclamation, quarry areas will be backfilled with overburden/waste rock and graded to 3H:1V or flatter to blend with existing topography. Disturbed land will receive 6-12 inches of topsoil and be revegetated with a native grass seed mixture. A haul road that bisects the permit area is allowed to remain after completion of reclamation. The Division recommends beginning reclamation activities as soon as possible to decrease the financial warranty for the site. A copy of the approved Reclamation Plan Map has been included for reference.

The Division evaluated the financial warranty and determined the current bond amount held by the Division is adequate at this time. Please note if no reclamation is done or the site resumes activity the financial warranty will increase during the next inspection and may increase during the Succession of Operators application if one is submitted.

Photographs taken during the inspection are attached.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at patrick.lennberg@state.co.us if you have any questions regarding this report.

Inspection Contact Address

Sherri Gerhardt
245 Evans Street
Lyons, CO 80540

Attachment: Reclamation Plan Map Approved with AM-1

cc: Jared Ebert, DRMS

ec: Sherri Gerhardt, sherrigerhardt1963@gmail.com

PHOTOGRAPHS



Photo 1: Mine sign at the primary mine entrance



Photo 2: Typical mine permit boundary marker



Photo 3: Northeastern quarry area



Photo 4: Northeastern quarry area looking east, Beech Hills Quarry area marked in yellow



Photo 5: Typical overburden pile located between the two quarry areas



Photo 6: Typical overburden pile located between the two quarry areas



Photo 7: Looking north from near the mid-point of eastern permit boundary, Beech Hills Quarry to the right of picture, approximate property boundary marked in yellow



Photo 8: Looking south along eastern permit boundary



Photo 9: Looking north from near the mid-point of eastern permit boundary, Beech Hills Quarry to the right of picture, approximate property boundary marked in yellow



Photo 10: Overburden stockpile south of main pit area

Attachments

1272.87 Feet from Northeast Corner to Northwest Corner



CLIFF ON WEST SIDE OF PERMIT AREA

The slope along the west side (cliff side) will be around a 3H:1V, flatter if possible. Slope will run basically from west to east

164.5 Feet

437.44 Feet

All additional slopes should be approximately 3H:1V.

In addition to the recommendations of the Soil Conservation District, pine cones will be picked up, crushed, and scattered on areas to be reclaimed.

Storm Water will be pumped out of the quarry hole in accordance with Permit # COR341601

There will be several feet of non-usable rock placed in bottoms of quarry holes. The only overburden will be a few inches (possibly 6 inches) of soil with a high content of small rock mixed in. Approximately 6 inches or so of top soil with some rock will be placed over the top of this.

Small geological areas will be reclaimed as quarried out and no longer need for material storage. Starting on north end and working to the south,

15' ROAD

385.5 Feet

1027.44 Feet from Northeast corner to Southeast Corner

Permit Pins

Exhibit E-4

Revised
Reclamation Map

Applicant

CHESTER BARNARD - Owner
BARNARD QUARRY
RECLAMATION MAP
1 inch = 100 feet

April 28, 2011

Permit No. M-1996-079
(9.9 Acre permit area)