




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: Juniper Quarry	MINE/PROSPECTING ID#: M-1982-141	MINERAL: Limestone (general)	COUNTY: Moffat
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: August 30, 2023	INSP. TIME: 09:00
OPERATOR: Moffat Limestone Company	OPERATOR REPRESENTATIVE: Mike Anson	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$200,768.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Zach Trujillo	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 6, 2023	

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>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</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

This inspection was conducted by Zach Trujillo of the Colorado Division of Reclamation, Mining and Safety as part of the normal monitoring program. The Juniper Quarry is a 112c permitted site. This site is located approximately 4 miles southeast of Maybell, Colorado and is accessed from Moffat County road 57. Mike Anson represented the Moffat Limestone Company (Operator) and accompanied the Division on the inspection.

This site is comprised of two non-contiguous parcels ("North Pit" and "South Pit") that make up the total 88.7 acre permit. In 1992 the permit was converted (CN-1) from a 110c to a 112c. This CN-1 incorporated what is referred to the North Pit and increased the pit size to a total of 63 acres. In 2005 the permit was amended (AM-1) to add what is referred to as the South Pit, which added 25.7 acres. Both sites are located on BLM land however access is through the Anson's private land to access the mine in order to limit public access into the mine.

The mine identification sign and affected area boundary markers are in place. The mine identification sign is posted along the access road from the entrance of Country Road 57 outside the permit boundary. The permit boundary is clearly delineated by PVC sticks which are painted at the tip and are easily visible at a distance.

Weed were well maintained throughout the site. Signs of wilted noxious weeds, primarily thistle, were observed. Overall the site is stable with little to no signs of erosion.

South Pit:

There appears to be no changes to the highwall and over all disturbance footprint since the last inspection. The highwall is approximately 50' tall and sloped 1:1 to near vertical. There is also approximately 200 linear feet of highwall 30' tall sloped 1:1 that will required backfill. The main pit floor has been dropped approximately 10' below original contour and generally follows the permit boundary. There are several material stockpiles within the South Pit area. All stockpiles are stored along northern portion of the approved boundary with no issues observed. No fuel or processing equipment is stored at this location. The entire affected boundary was inspected and all disturbances was within the approved limits. No issues were observed at the South Pit.



South Pit highwall.

North Pit:

Reclamation was inspected along the southern portion of the North Pit area. Vegetation was decently established and mature shrubs were observed. A small portion of the area was slightly bare however no signs of erosion was observed. The pre-existing south highwall just below the reclamation is approximately 100 linear feet wide, by 50 feet tall and near vertical. Backfill has been placed at the pit floor of the associated bench below the highwall. The reclamation plan calls for the area to be graded to 3H: 1V and conform to the previous reclamation areas to the south.



Reclamation along southern end of North Pit.



Current backfill operations.

The middle bench is where the associated facilities is staged along with material stockpiles. No active mining could be observed in this area. Based on discussions with the operator, current mining activities is primarily occurring in the northwest corner of the North Pit. The highwall is bowl shaped and is approximately 300 linear feet wide and 50 feet high near vertical with one bench in the middle. It appeared that mining is currently moving along the southern portion of highwall as well as the upper bench. There is an overhead electrical line that goes through this area and a 50 foot setback from the poles resulting in pillars/islands.



Facilities and stockpiles.



Current active mining along southern portion of highwall.

The northern portion of the North Pit remains inactive however is approved for additional progression to the north. It should be noted that the Juniper Quarry is only approved for a maximum of 40 acres of affected lands at one time. If additional expansion within the approved permit boundary is warranted, the Operator must submit a TR along with a necessary addition to the Financial Warranty or have additional reclamation performed and released through the proper process

The Division currently holds a financial warranty amount of \$200,768 for this site. The bond was last increased in 2022 with SI-3. In an effort to ensure the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan, the Division has reviewed the approved reclamation cost estimate with updated costs. The total amount associated with the updated reclamation cost estimate is \$199,734. Based on the updated reclamation cost for the Juniper Quarry, the Financial Warranty held by the Division is sufficient at this time.

Inspection Contact Address

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Enclosure

CC: Amy Eschberger, DRMS