




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: Perdue	MINE/PROSPECTING ID#: M-2000-089	MINERAL: Sandstone (silica, st quartzite)	COUNTY: Boulder
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: June 9, 2022	INSP. TIME: 11:00
OPERATOR: Mary Vasquez	OPERATOR REPRESENTATIVE: None	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$12,500.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 22, 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>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>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

The Perdue site 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 September 6, 2018 at the operator's request to assess remaining reclamation requirements. No one representing operator/permittee was able to accompany me during the inspection. The Division was given permission to enter the land where the permit is located from the new land owners Christine LaFortune and Doug Ruppel. The weather was clear.

This is a 110c operation permitted for 9.7 acres. The permit is for the mining of sandstone for building materials and decorative use. As mentioned above the mine is located on property owned by Christine LaFortune and Doug Ruppel. However, at the time of writing this inspection report the Boulder County Assessor site still lists the owner of the property to be Orlando Vasquez. The mine is located in Boulder County. The site entrance is located approximately 3 miles north of Lyons, CO via Stone Canyon Drive. The approved post-mining land use is rangeland. A mine sign was posted at the mine entrance pursuant to Rule 3.1.12.

The mine was not active at the time of inspection and appears that mining activities, including the hauling away of marketable material, has not occurred for some time. During the last inspection Ignacio Vasquez stated he intended to complete the required reclamation earthwork and revegetate the site. It does not appear that the required earthwork took place. Also during the last inspection the Division reminded the operator that pursuant to Rule 3.1.3 all reclamation has to be carried to completion with all reasonable diligence and each phase of reclamation shall be completed within five (5) years from when that phase began reclamation. In this case the five (5) year reclamation period for the site is assumed to have begun in 2018 the date of the last inspection.

The approved reclamation plan calls for backfilling mined areas with overburden and/or waste rock to a 3H:1V or flatter slope gradient, replacing topsoil on disturbed land at a minimum depth of 3 inches, and revegetating the site for rangeland use. The existing driveway used to access the site from Stone Canyon Drive will remain after reclamation for use by the landowner. There are several steep mine faces that need to be backfilled in the southeast and southwestern areas of the permit. Along with backfilling any available topsoil needs to be spread and seeded with approved seed mix. Additionally, there are several piles and stacks of marketable material that remain onsite.

Also the site was surrounded by a 110c reclamation only permit, M2012-046. The permit was obtained to encompass offsite disturbances due to mining activities at the Perdue site, M2000-089. The M2012-046 permit was released in September 2018 after meeting the approved reclamation requirements.

During the coordination of this inspection the new land owners stated they had completed the required paperwork to transfer the permit into their name, at the time of writing this report the Division has not received a Succession of Operators (SO) Application for the site. The new landowners indicated they do not intend to resume mining operations in the near future. It should be noted the time limit for reclamation is 2023. If an SO application is not received and the land ownership does change, the current operator will need to provide documentation of the legal right to enter to conduct mining and reclamation for the owners of record, pursuant to Rule 6.3.7 Source of Legal Right to Enter.

The financial warranty was recalculated as part of this inspection and there will be an increase. A copy of the Division's estimate will be provided to the permittee/operator for review under a separate cover letter. Once the surety increase is issued by the Division, the operator will have 60 days to provide the additional financial warranty. Performing reclamation at the site will decrease the required bond amount for the site.

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

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PHOTOGRAPHS



Photo 1: Mine sign at entrance



Photo 2: Typical permit boundary marker



Photo 3: Pit area in the southeastern portion of the site



Photo 4: Pit area in the southeastern portion of the site needs to be graded to 3H:1V



Photo 5: Marketable material stacked along haul road



Photo 6: Marketable material stacked in the permit area



Photo 7: Pit area in the southwestern portion of the site



Photo 8: Material placed on a pallet to be sold



Photo 9: Looking towards the southeastern pit area, note stacked material to be sold



Photo 10: Looking towards the southwestern pit area, note stacked material in the center and the right of center of picture

