



COLORADO

Division of Reclamation,
Mining and Safety


Department of Natural Resources

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: Parkdale Project	MINE/PROSPECTING ID#: M-1997-054	MINERAL: Sandstone (silica, stone, quartzite), gravel and granite, granite gneiss	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: June 18, 2019	INSP. TIME: 12:30
OPERATOR: Front Range Aggregates, LLC	OPERATOR REPRESENTATIVE: Josh Esquivel	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$1,174,724.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 19, 2019

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Hydrologic Balance

PROBLEM/POSSIBLE VIOLATION: Problem: The Division has no evidence that the operator has a current substitute water supply plan, or approved water augmentation plan for the exposed groundwater at the site. This is a problem related to 34-32.5-116(4)(h) of the Colorado Revised Statutes and 3.1.6(1)(a) of the Construction Materials Rules and Regulations governing injury to existing water rights.

CORRECTIVE ACTIONS: The operator shall demonstrate that the operation is in compliance with the Office of the State Engineer, show evidence that the operator is taking measures to bring the site into compliance with the SEO, or backfill the pits to at least two feet above the groundwater surface by the corrective action date specified.

CORRECTIVE ACTION DUE DATE: 9/17/19

OBSERVATIONS

This inspection was conducted by Tim Cazier (DRMS) as part of the regular monitoring program. The Permittee (Front Range Aggregates) was represented by Mr. Josh Esquivel of Martin Marietta Materials (MMM). The Parkdale Quarry site access road entrance is located off US 50, approximately 10 miles west of Cañon City. This was an abbreviated inspection as the Mine Safety and Health Administration (MSHA) inspector arrived on site about 20 minutes before the DRMS scheduled inspection. Mr. Esquivel explained he was the only one able to accompany either inspector at the time. The DRMS will reschedule a complete inspection later this summer. This is permitted as a 112c aggregate mine.

Availability of Records: Annual fees are paid through January 2019. The previous inspection was on April 28, 2015. The approved post-mine land use is developed water resource. There are no open infractions. Both the surface is owned by MMM and minerals are privately owned.

Financial Warranty: The DRMS holds a \$1,174,724 bond which is likely adequate for the approximately 176 acres of disturbance measured using Google Earth, based on a 6/15/2016 satellite image.

Fish and Wildlife: No impact to wildlife was observed. Canada geese were observed in the water observed in the pit (see **Photo 1**).

Hydrologic Balance: Standing water was observed in the pit and believed to be exposed groundwater (see **Photos 1 and 2**). Mr. Esquivel stated he believed they have an approved substitute water supply plan (SWSP). However, the DRMS has no record of either an approved augmentation plan or a currently approved SWSP. The last SWSP received by the DRMS expired 9/30/2018. **The lack of an approved plan is cited as a problem on page 1 of this report.**

Signs and Markers: The permit sign was properly posted (see **Photo 3**).

Permit Stipulations: All permit stipulations have been terminated.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. Exposed groundwater in main pit (looking NW, note geese, circled).



Photo 2. Exposed groundwater in main pit (looking north).

PHOTOGRAPHS (cont.)



Photo 3. Permit sign (near scale house).

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>PB</u>	(BG) BACKFILL & GRADING----- <u>N</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>N</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>N</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 and found in compliance / N = Not inspected / NA = Not applicable to this operation / **PB = Problem cited** / PV = Possible violation cited

Inspection Contact Address

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ec: DRMS file