



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: Marrs Memorials	MINE/PROSPECTING ID#: M-1977-168	MINERAL: Aggregate	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy Cazier	INSP. DATE: July 24, 2019	INSP. TIME: 11:30
OPERATOR: Colorado Quarries Inc	OPERATOR REPRESENTATIVE: None	TYPE OF OPERATION: 110c - Construction Limited Impact	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$3,040.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: U.S.BLM	JOINT INSP. AGENCY: U.S.BLM
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 29, 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: other

PROBLEM/POSSIBLE VIOLATION: Problem No. 1: A fuel spill has occurred at the site which has impacted soils, surface water or groundwater.

CORRECTIVE ACTIONS: The operator shall immediately remediate the spill and submit a final report to the Division containing at least the following information:

- 1.) A description of how the spill was cleaned up containing at a minimum - the appropriate maps, volumes removed, sample locations, analytical data, and photo documentation.
- 2.) Evidence in the form of a receipt that the contaminated soil was disposed of by an approved method (such as sent to an approved landfill, land farming, recycling center, etc.).

CORRECTIVE ACTION DUE DATE: 11/29/19

INSPECTION TOPIC: Revegetation

PROBLEM/POSSIBLE VIOLATION: Problem No. 2: There are state-listed noxious weeds present on site. This is a problem for failure to employ weed control methods for state listed noxious weed species within the permitted area, and to reduce the spread of weeds to nearby areas as required by Section 3.1.10 (6) of the rule.

CORRECTIVE ACTIONS: Implement approved weed control plan and provide proof to the Division that this has been done. If a weed control plan is not already in place, the operator shall develop a weed control and management plan in accordance with Section 3.1.10 (6) of the Rule. This plan should be developed in consultation with the county extension agency, or weed control district office and should include specific control measures to be applied, a schedule for when control measures will be applied and a post-treatment monitoring plan. This weed control plan shall be submitted to the Division as a Technical Revision to the approved plan with the appropriate Technical Revision fee of \$216.00 by the corrective action date.

CORRECTIVE ACTION DUE DATE: 12/30/19

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem No. 3: The mine identification sign posted at the entrance of the mine site is for another permit. This is a problem for failure to post a mine identification sign as required by Section 3.1.12(1) of the rule.

CORRECTIVE ACTIONS: The operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number for this site (M-1977-168). The operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 12/30/19

OBSERVATIONS

This inspection was conducted by Tim Cazier (DRMS) as part of the regular monitoring program. The Permittee (Colorado Quarries) was notified of the inspection, but was unable to attend. Also present representing the BLM was Ms. Amber Sanderson. The Marris Memorials site entrance is located approximately 1.4 miles east of Fremont County Road 37/McCoy Gulch Rd, 2.1 miles south of Hwy 50. This is a 110c aggregate mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through November 2018. The previous inspection was on July 22, 2015. DRMS records indicate the approved post-mine land use is general agriculture. There are no open infractions. Ms. Sanderson indicated the surface is federally owned and managed by the BLM. The mineral rights are privately owned.

Excess Spoil and Dev. Waste: No overburden piles were observed.

Explosives: Based on previous inspections when the Permittee was present, blasting is performed periodically.

Financial Warranty: The \$3,040 bond held by the Division was updated in 2016 and is adequate for the observed mine disturbance.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: Google Earth was used to measure the disturbed area, which was estimated

to be approximately one acre, based on 2016 imagery. Highwalls were estimated to vary between 30 and 40 feet in height. Loose, potentially unstable rock was observed at the top of the vertical highwall near the east end of the operating area (see **Photo 1**). This rock should be removed to stabilize the highwall. This is considered a potential safety problem, and not a problem that could lead to offsite damage. Therefore it is not cited as a problem.

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations.

Processing Waste: No processing waste was observed.

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked offsite.

Reclamation Success: No reclamation has been initiated.

Revegetation: Knapweed, both spotted and diffuse (see **Photos 2 and 3**) were observed in the pit floor/access road area. **The presence of these List B noxious weeds is cited as Problem 2 on page 1 of this report.**

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Support Facilities On-site: No support equipment was observed on site.

Signs and Markers: A permit sign was displayed at the site entrance (see **Photo 4**). This appeared to be the same incorrect sign displaying the wrong permit number (M1977532SG, that should be M1977168) the DRMS requested be changed after the July 22, 2015 inspection. **The fact that the required permit sign has not been corrected in four years is cited as Problem No. 3 on page 2 of this report.** The permit boundary markers appeared to be in place, but were not practical to access, given the terrain.

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: What appeared to be a petroleum product spill was observed in the pit floor/access road area (see **Photos 5 and 6**). **The presence of this petroleum product spill is cited as Problem No. 1 on page 1 of this report.**

Structures: No structures were observed within 200 feet of the affected area.

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. Loose, unstable rock observed on top of vertical highwall near east end of pit (looking north).



Photo 2. Knapweed on right.

PHOTOGRAPHS (cont.)



Photo 3. Knapweed observed.



Photo 4. Permit sign with incorrect permit number (near pit entrance).

PHOTOGRAPHS (cont.)



Photo 5. Petroleum product spill (looking north).



Photo 6. Petroleum product spill.

Inspection Contact Address

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>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>NA</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>PB</u>
(SM) SIGNS AND MARKERS----- <u>PB</u>	(SP) STORM WATER MGT PLAN---- <u>PB</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</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
Stephanie Carter, BLM
Amber Sanderson, BLM