




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: Mica Lode	MINE/PROSPECTING ID#: M-1977-144	MINERAL: Sand and Gravel	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: March 9, 2016	INSP. TIME: 11:25
OPERATOR: Colorado Quarries Inc	OPERATOR REPRESENTATIVE: Aaron Tezak	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$38,002.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: February 4, 2017	

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>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>NA</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <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

OBSERVATIONS

This inspection was conducted as part of the Division's regular monitoring program. The Operator (Colorado Quarries) was represented during the inspection by Mr. Aaron Tezak. The Mica Lode is accessed from Fremont Co Rd 3a approximately nine miles west of Cañon City off Hwy 50. This is a 112c sand and gravel mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through November 2016. There are no open infractions. The previous inspection was on June 27, 2010. One problem was cited for groundwater exposure. This was resolved on June 15, 2011, when the Division received a letter from the Division of Water Resources (DWR) confirming the exposed groundwater existed prior to 1981, had not measurably changed since then, therefore exempt from the need for an augmentation plan.

Complete Inspection: The entire permit area was inspected. No problems were observed.

Explosives: Mr. Tezak indicated they have a blasting plan and the records are kept in Colorado Quarries' office.

Financial Warranty: The \$38,002 bond held by the Division is adequate for the observed mine disturbance, but will likely need to be revised during the Division's next inspection.

Fish and Wildlife: No impact on wildlife was observed.

Hydrologic Balance: The Ruby pit was dry (see **Photo 1**). Water was observed in the main (Mica Lode) pit (see **Photo 2**), but is exempt from the requirement for augmentation as discussed above in "Availability of Records".

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. The pit highwalls were estimated to be 15 – 25 feet in height in the Ruby pit and 25 – 30 in the Mica Lode pit. Google Earth was used to measure the disturbed area, which was estimated to be approximately 17 acres.

Off-site Damage: The operation appeared to be confined to the permit boundary.

Roads: Haul and access roads were not a source of sediment that could be tracked offsite to a paved road.

Revegetation: Mr. Tezak showed the old waste dump north of the Mica Lode pit that has been revegetated (see **Photo 3**). No noxious weeds were observed.

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

Signs and Markers: The permit sign was properly posted (see **Photo 4**) and boundary markers were observed to delineate the permit boundary (see **Photo 5**). The permit sign should be replaced or re-painted.

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Mr. Tezak indicated the stormwater management plan is kept in Colorado Quarries' office. Site sediment pond appeared adequate (see **Photo 6**).

PHOTOGRAPHS



Photo 1. Ruby pit (looking west).



Photo 2. Mica Lode pit – exempt groundwater exposure (looking north).

PHOTOGRAPHS (cont.)



Photo 3. Reveg on old waste dump (looking east).



Photo 4. Permit sign (should be replaced or re-painted).

PHOTOGRAPHS (cont.)



Photo 5. Typical permit boundary corner post (NE corner).



Photo 6. Stormwater pond (looking west).

Inspection Contact Address

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ec: DRMS file