




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: Schumacher Pit	MINE/PROSPECTING ID#: M-1995-063	MINERAL: Sand and gravel	COUNTY: Logan
INSPECTION TYPE: Monitoring	INSPECTOR(S): Jared L. Ebert	INSP. DATE: April 18, 2018	INSP. TIME: 15:40
OPERATOR: Logan County	OPERATOR REPRESENTATIVE: Jeff Reeves	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 24, 2018	

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>NA</u>	(RD) ROADS----- <u>NA</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>N</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>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</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

OBSERVATIONS

This was a monitoring inspection of the Schumacher Pit, DRMS Permit No. M-1995-063 operated by Logan County. I, Jared Ebert with the Colorado Division of Reclamation, Mining and Safety (DRMS or Division) conducted the inspection. Mr. Jeff Reeves with Logan County accompanied me during the inspection. This is a 15.98 acre 112c operation with a post mining land use approved as rangeland. This inspection was conducted at the request of Logan County.

Backfilling and Grading:

The pit slopes have been graded and appear stable.

Hydrologic Balance:

The pit was dry at the time of the inspection.

Gen. Compliance With Mine Plan:

Mining is complete and the site is in the process of reclamation.

Reclamation Success:

It appears all of the steps for reclamation has been complete. The site has been backfilled and graded and the affected area has been seeded and grassy vegetation has begun to establish throughout the site.

Revegetation:

The site was seeded in 2017 and dense rows of vegetation have begun to establish at the site. The primary species observed was Smooth Brome grass. Several bare areas were observed where vegetation has not begun to establish. One such area is near the entrance to the site. Some of these areas may need to be re-seeded. Logan County will need to continue to monitor the area for a few growing seasons to insure a diverse number of grasses establish in accordance with the approved reclamation plan and conduct weed control as needed.

Sediment Control:

The site appeared stable.

PHOTOGRAPHS



Figure 1. From the entrance to the mine site looking east.



Figure 2. From the entrance to the mine site looking southeast.



Figure 3. Near the center of the site looking north.



Figure 4. From the southern end of the mine site looking south.

Inspection Contact Address

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