




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: M. Larson Pit #1	MINE/PROSPECTING ID#: M-2018-006	MINERAL: Sand and gravel	COUNTY: Logan
INSPECTION TYPE: Monitoring	INSPECTOR(S): Brock Bowles	INSP. DATE: July 1, 2021	INSP. TIME: 13:00
OPERATOR: Ritchey's Redi-Mix Concrete, Inc.	OPERATOR REPRESENTATIVE: Jerry Ritchey	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE:	BOND AMOUNT: \$15,700.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 21, 2021	

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>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SP) STORM WATER MGT PLAN---- <u>N</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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This inspection was conducted by Brock Bowles of the Division of Reclamation, Mining and Safety (Division). Jerry Ritchie of Ritchie's Redi-Mix (Operator) was present for the inspection. The M. Larson Pit is located about 13 miles southeast of Haxtun. The site is an active 112c operation with 25.1 acres permitted and the post-mining land use is cropland. This inspection was carried out as a part of the Division's routine monitoring inspection program. At the time of the inspection it was partly cloudy, warm and breezy.

The permit identification sign was in place at the mine entrance and legible (photo 1). The permit boundary markers were in place. Mining was not taking place at the time of the inspection, but a front end loader and bulldozer were on-site.

Topsoil piles were pushed up on the north side of Coyote Creek.

Coyote Creek had some water in the bottom of the creek (photo 2). A water pump was pumping water out of the bottom of the pit further downstream in Coyote Creek. Jerry Ritchie said that there has been several large rain events in the last few months and it had rained the previous night. As a reminder, the Div. of Water Resources requires any storm water runoff intercepted by this operation must infiltrate into the ground or be release to the stream system within 72 hours.

The water level in Coyote Creek had exceeded the banks during the recent rain events. The excessive amount of water pushed gravel outside the pit area to the south. The pit area is currently bonded, but the area to the south is within the permit area but it is not bonded. Mr. Ritchie has been working on the unbonded area in an attempt to fix the damage caused by the flood (photo 3). Most of the soil has been re-graded and seeded.

The current mine plan has the mining area divided into 5 phases. Only Phase 1 is bonded at this time. After looking at the flood damage and Mr. Ritchie's future gravel needs, it was decided that the best solution was to post an additional warranty bond for Phases 2-4. This will allow for additional mining area and space for stockpiles and equipment. Mr. Ritchie will submit a technical revision to expand the bonded area. TR-1 was received by the Division on July 13, within 2 weeks of the inspection and before this report was written. TR-1 is currently being reviewed.

PHOTOGRAPHS



Photo 1 – Mine entrance sign



Photo 2 – Water in Coyote Creek with pump removing water



Photo 3 – Foreground and left, south side of Coyote Creek repaired and seeded after flooding, facing west

Inspection Contact Address

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