




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: Rex Quarry - Sec 36	MINE/PROSPECTING ID#: M-1977-304	MINERAL: Limestone (general)	COUNTY: Larimer
INSPECTION TYPE: Monitoring	INSPECTOR(S): Brock Bowles	INSP. DATE: September 29, 2021	INSP. TIME: 09:00
OPERATOR: Pete Lien & Sons, Inc.	OPERATOR REPRESENTATIVE: Dana Mellage	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$654,500.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 19, 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>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>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>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</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). Dana Melage of Pete Lien and Sons (Operator) was present for the inspection. The Rex Quarry is located about ½ mile east of Livermore. The site is an active 112c operation with 400 acres permitted and the post-mining land use is wildlife habitat. This inspection was carried out as a part of the Division's routine monitoring inspection program. At the time of the inspection it was cloudy, windy, cool and the ground was dry.

This site is adjacent to the north of the Owl Canyon Quarry (M-1977-302) which is also operated by Pete Lien and Sons. The two sites are operated as a single unit. Both sites were inspected at the same time and some information may overlap between the two inspection reports.

The mine entrance sign was in place facing Hwy 287 (photo 1).

Most of the mining operations have shifted south the Owl Canyon permit area. No current mining activity was taking place in the Rex Quarry area. The highwall is along the eastern permit boundary (photo 2) and backfilling has begun on the southern section of the highwall (photo 3). No additional mining is anticipated to the north.

The western sections of the mined area have been reclaimed (photo 4). These areas have been backfilled, topsoiled and seeded. They were well vegetated with grasses and shrubs. No erosion features were seen.

This site has the plant, mine office, equipment storage and maintenance facilities for both the Rex and Owl Canyon Quarries. No problems were noted for these areas.

The reclamation cost estimate was evaluated as part of this inspection. The updated cost estimate was evaluated as \$642,832. The Division holds a bond \$654,000.00 which is greater than the required surety.

PHOTOGRAPHS



Photo 1 – Mine entrance sign facing Hwy 287



Photo 2 – Highwall, facing north, backfill in foreground



Photo 3 – Highwall, facing south, backfilling has begun



Photo 4 – Reclaimed western section, facing north

Inspection Contact Address

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Enclosure

CC: