


**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: Patty's Pit	MINE/PROSPECTING ID#: M-1998-103	MINERAL: Sand and gravel	COUNTY: Elbert
INSPECTION TYPE: Preoperation Inspection	INSPECTOR(S): Jared L. Ebert	INSP. DATE: September 5, 2018	INSP. TIME: 08:45
OPERATOR: Town of Limon	OPERATOR REPRESENTATIVE: Greg Tacha and Ed Grimes	TYPE OF OPERATION: 110c - Construction Limited Impact	
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: September 12, 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>Y</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>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>NA</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>NA</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 pre-operation inspection of Patty's Pit, Division of Reclamation, Mining and Safety (DRMS or Division) permit no. M-1998-103, operated by the Town of Limon. I, Jared Ebert with DRMS conducted the inspection. Mr. Greg Tacha and Ed Grimes with the Town of Limon (Limon) met me at the site.

On July 16, 2018, the Division received an application (CN01) to convert the current 110c permit for the site to a 112c permit by adding 87.67 acres to the current 9.84 acre permit area. The CN01 application is currently under review. DRMS has issued an adequacy review letter on August 28, 2018 and is awaiting the response to the adequacy review items. The decision date for the application is October 22, 2018.

Backfilling and Grading:

The Operator is excavating material on the north and east side of the current permit area. Previous mining to the west of the current excavation area consists of a shallow pit with a gentle pit floor. The north and south side slopes have been graded to a 3H:1V ratio or less and are relatively stable with annual vegetation primarily consisting of Kochia.

Gen. Compliance With Mine Plan:

Limon plans to continue to mine the site in three phases (as depicted on the CN01 Exhibit C Mining Plan Map. Portions of the proposed Phase 1 area within the current 110c permit boundary has mined and partially reclaimed. Stockpiles of mined material exist at the site.

The proposed Phase 3 mine area is located east of the current pit excavation. This area includes a small drainage the drains to the north.

The proposed Phase 1 mine area includes the current pit and additional land to the west. The new area encompasses a small ridge and portions of two dry drainages that drain to the north.

The proposed Phase 2 mine area also includes portions of a ridge on the west side of the permit area and portions of a drainage that drains to the north.

The proposed expansion area is rangeland consisting primarily of native grasses and cactus. Mining related disturbance was not observed in the expanded permit area. However, a pile of old asphalt was stockpiled southeast of the current permit area that will likely be located within the Phase 3 mining area. The structures identified in the CN01 application appear accurate and no additional structures were identified.

Roads:

The mine access road is located as depicted on the maps submitted with CN01.

Signs and Markers:

The mine entrance sign was in place and the current 110c permit boundary is marked with metal T-posts. The expanded permit area appears to be within a barbed wire fenced area.

Topsoil:

Topsoil appears to be stockpiled north of the current pit excavation. This pile is stable and vegetated.

PHOTOGRAPHS



**Figure 1. From the south central portion of the current permit boundary looking east.
Stockpile of asphalt highlighted.**



**Figure 2. From the south central portion of the current permit boundary looking
northeast.**



Figure 3. From the south central portion of the current permit boundary looking north.
Pit floor and north side slope visible.



Figure 4. From the south central portion of the current permit boundary looking west.



Figure 5. Eastern pit excavation.



Figure 6. From the northeast corner of the current pit looking south.



Figure 7. From the northcentral portion of the current permit boundary looking south.



Figure 8. Drainage west of the current permit area looking south.



Figure 9. Drainage in-between the Phase 1 and Phase 2 mine area.



Figure 10. From the east side of the Phase 2 mine area looking west.

Inspection Contact Address

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