




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: Horton Gravel Pit	MINE/PROSPECTING ID#: M-1985-135	MINERAL: Sand and gravel	COUNTY: Larimer
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: April 9, 2024	INSP. TIME: 09:00
OPERATOR: Larimer County	OPERATOR REPRESENTATIVE: Todd Juergens	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: NA	BOND AMOUNT: NA – County Government	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Nikie Gagnon	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 14, 2024	

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>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>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</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 was a routine monitoring inspection of the Horton Gravel Pit conducted by Nikie Gagnon of the Division of Reclamation, Mining and Safety (Division). Todd Juergens representing Larimer County Road and Bridge (Operator) accompanied the Division during the inspection. The mine site is a 112c operation permitted to affect 41.9 acres. The post mining land use is pastureland. The mine is located approximately 17 miles north of Fort Collins on N. County Road 19/Terry Lake Road just north of the intersection with W County Rd 80.

Gen. Compliance With Mine Plan:

The mine site is split into two distinct areas. Cell A is on the east side and Cell B is on the west side of the permit area. A buried petroleum line bisects the two cells. Cell A was mined first and is in reclamation. The slopes are graded to 3H:1V. According to Mr. Juergens, the site has not been mined in a few years, however, the County plans to mine the west side of the permit area in the future.

Revegetation:

The Division observed a 26-acre reclaimed pit on the eastern side of the permit area. Native grasses are established on the pit floor and on the slopes. Generally, the grasses are uniformly established across the pit and this area is capable of regeneration. The Division observed some bare spots on the top of the northern side and in the northwestern corner. The pit was dry during this inspection and no evidence of standing water was noted.

Reclamation Plan Compliance:

In September 2020, the Division approved Technical Revision 2 to revise the Reclamation Plan for the installation of stormwater and erosion control features. The Operator installed rip rap for erosion control near the entrance and in the northwest corner of Cell A to prevent gullies from developing. Stormwater from Cell A flows through drainage pipe to the northeast portion of the permit area where the water disperses in the field. This pipe will remain after release.

The western 15 acres in Cell B has not been mined and is occasionally used for grazing. The Division observed a small staging area on the southern boundary between the two cells. Culvert piping and concrete structures are stored in the staging area.

Signs and Markers:

There are two entrances to the site. The south entrance is the primary route used by the Operator. The other entrance is below Cell A. Mine signs were observed posted at both entrances required by Rule 3.1.12(1). The site is surrounded by a barbed wire fence.

A subset of the photographs taken during inspection are attached. Please contact Nikie Gagnon (303)866-3567 ext. 8126 or email at nikie.gagnon@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1: View of reclaimed Cell A on the eastern side of the permit area.



Photo 2: View of patchy vegetation along top of slope in Cell A.



Photo 3: Side view of vegetated slope in Cell A.



Photo 4: Area reseeded at top of southern slope in Cell A.



Photo 5: View looking northwest between the two cells.



Photo 6: View looking north across the undisturbed portion in Cell B.



Photo 7: View looking down the southern boundary in Cell B.



Photo 8: Staging area between the two cells along the southern boundary.



Figure 1: Approximate Permit Boundary. Google Earth imagery dated 11/11/2022. Yellow arrow points to the high point where the petroleum pipeline runs between the two cells.

Inspection Contact Address

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