




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: Moonscape Pit	MINE/PROSPECTING ID#: M-1997-027	MINERAL: Sand and gravel	COUNTY: Delta
INSPECTION TYPE: Monitoring	WEATHER: Cloudy	INSP. DATE: October 25, 2022	INSP. TIME: 13:40
OPERATOR: Gray Rock Aggregate Company, LLC	OPERATOR REPRESENTATIVE: Chauncey Luttrell	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$32,183.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Robert Zuber, P.E.	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 1, 2022	

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>N</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>Y</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>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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This was a normal monitoring inspection of the Moonscape Pit, DRMS file number M-1997-027. This site is located about 4 miles west of Delta, Colorado in Delta County. Mr. Chauncey Luttrell of Gray Rock Aggregate Company, LLC was present during the inspection. Mr. Luttrell is also the landowner. The weather was cool and cloudy. The ground was dry.

A sign at the entrance off of Sundown Road is in accordance with Rule 3. 1.12(1).

This site is permitted for 21.65 acres. The approved post-mining land use is cropland and pastureland. Approximately five acres are currently disturbed by mining activity and require reclamation. Some of the site (western portion) has been reclaimed, although vegetation is sparse in these areas.

The propane tank has been moved outside of the permit area. No fuel is being stored at the mine site.

The stockpiles of material appear to be stable. Small amounts of crushed glass are stored onsite, per the permit. This material is to be used in road base.

Caterpillar equipment onsite (excavator and dozer) was not operating during the inspection. Mr. Luttrell indicated that little excavation has been done in recent months. He said that average production is 25,000 cubic tons per year.

The topsoil pile on the east side of the site varies in height. It is up to 20 feet at the south end, and is approximately 10 feet high on average. The length and width were estimated with Google Earth after the inspection. These dimensions are 480 feet by 80 feet, respectively. Based on these dimensions, the volume is estimated to be 14,222 cubic yards.

The Division holds a \$32,183 bond for the site. The reclamation cost estimate for the required surety for the site has not yet been updated. This will be done in the near future, and (if necessary) the Division will increase the Financial Warranty for this permit via a Surety Increase action.

The permit area is delineated by boundary marker posts and fencing; the markers near the residence (southwest portion of permit area) and the northwest corner should be improved.

Weeds, mostly halogeton and knapweed, were seen onsite, but they appeared to be dead, likely from control efforts by the operator. Mr. Luttrell indicated that he has been spraying weeds on a regular basis, and they will spray again in the spring of 2023.

Overall, no problems were noted on this site. In particular, there was no sign of sediment loading to adjacent lands or runoff from the site causing erosion. The operation appears to be in compliance with the approved mining plan.

PHOTOGRAPHS



Entrance sign



Material piles and equipment



South side of site



North side of site



Reclaimed area

Inspection Contact Address

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