


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: Fremont Gravel Pit	MINE/PROSPECTING ID#: M-1984-117	MINERAL: Sand & gravel	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: September 15, 2018	INSP. TIME: 13:15
OPERATOR: Fremont County	OPERATOR REPRESENTATIVE: Sterling Rife	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: December 18, 2019	

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>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>N</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>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</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 inspection was conducted by Tim Cazier (DRMS) as part of the regular monitoring program. The Operator (Fremont County) was represented during the inspection by Mr. Sterling Rife. The Fremont Gravel Pit site entrance is located off US 50, approximately three miles northwest of Coal Dale, CO. This is a 110c sand and gravel mine. The mine was not active at the time of this inspection.

Availability of Records: Annual fees are paid through January 2019. [Please be aware the map provided with the last several annual reports does show the property boundary, but not the permit boundary which is a smaller rectangular shape within the property boundary.](#) The previous inspection was on November 9, 2015. The approved post-mine land use is agriculture/rangeland. There are no open infractions. Both the surface and minerals are owned by the county.

Backfilling and Grading: Sufficient backfill material appeared to be available.

Financial Warranty: As the site is permitted by the County, no bond is required.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. The maximum allowed disturbed area is 9.9 acres. Google Earth was used to measure the disturbed area, which was estimated to be approximately 6 acres, based on 2016 imagery. Highwalls were not vertical and appeared stable (see **Photo 1**). Mine progression is planned to the north.

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations.

Processing Waste: Some oversize material, a recycled asphalt stockpile and, according to Mr. Rife, material from the SH69 Pit (M-2018-010) were observed (see **Photo 2**).

Roads: Haul and access roads are not a source of sediment that could be tracked offsite or to a paved road. Road side ditches were clean.

Reclamation Success: No reclamation has been initiated.

Revegetation: No reclamation has been initiated. No noxious weeds were observed.

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Support Facilities On-site: No equipment was observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 3**) and the boundary was marked with T-posts. Locations of each T-post marker (see **Photo 4**) were collected using a Trimble Juno 3B hand held GPS unit. The locations appeared consistent with the approved permit boundary maps (see enclosed **Post Inspection Map**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. A diversion ditch (see **Photo 5**) was observed above the highwall. It should be cleaned out next spring prior to the late spring and summer rain storms. Stormwater drains to the pit and is prevented from leaving the site using straw wattles (see **Photo 6**) at the edge of the pit in the southwest corner.

Structures: The only structures observed within 200 feet of the permit area were the property fences owned by the County.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. NE highwall, circled (looking NE).

PHOTOGRAPHS (cont.)



Photo 2. Oversize material & recycled asphalt (arrow).



Photo 3. Permit sign (at entrance).

PHOTOGRAPHS (cont.)



Photo 4. Typical permit boundary marker with GPS unit recording location (SE corner, looking NW).



Photo 5. Diversion ditch on east side – needs some maintenance (looking north).

PHOTOGRAPHS (cont.)



Photo 6. Straw wattles downgradient of pit near SW corner (looking SE).

Inspection Contact Address

Sterling Rife
Fremont County
1170 Red Canyon Road
Cañon City, CO 81212

Enclosure

ec: DRMS file

M-1984-117 Fremont Gravel Pit Post Inspection Map

Satellite Imagery from 6/15/2016
GPS data collected 11/7/2019 using Timble Juno 3B

Legend

- Boundary T-Post (GPS location)
- M-1984-117 Property Boundary
- M-77-247 Permittee Boundary
- M-84-117 2016 Disturbed Area
- M-84-117 Access Rd
- M-84-117 Permit Boundary
- T-Post - Other (GPS location)

