



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: Union Hill Gravel Pit	MINE/PROSPECTING ID#: M-2000-056	MINERAL: Gravel	COUNTY: Fremont
INSPECTION TYPE: Surety Release Inspection	INSPECTOR(S): Timothy Cazier, P.E.	INSP. DATE: April 20, 2022	INSP. TIME: 07:35
OPERATOR: Fremont County	OPERATOR REPRESENTATIVE: Sterling Rife	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Surety Release Requested	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: April 28, 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>NA</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>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</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>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</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 inspection was conducted as part of the request for release from reclamation liability. The Permittee (Fremont County) was represented by Mr. Sterling Rife during the inspection. The west permit boundary of this site is shared with the east permit boundary of another Fremont County permitted pit (M-1979-216 / Dist. No 2 Gravel Pit) which was not inspected at this time. The Union Hill Gravel Pit site entrance is located approximately 0.5 miles north of Florence off Hwy 67. This is a 112c gravel mine undergoing final reclamation.

Availability of Records: Annual reports are current, having been filed through September 2021. The previous inspection was on March 30, 2021. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are owned by either Fremont County (west end of the site) or the City of Florence (east end of the site).

Acid And Toxic Materials: No acid or toxic materials are involved in this operation.

Backfilling and Grading: No further highwall backfill is required. There is a stockpile of material on the pit floor (see **Photo 1**), but it was determined to be on the adjacent Dist. No. 2 Gravel Pit permit area (M-1979-215).

Excess Spoil and Dev. Waste: No overburden piles were observed.

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.

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

Processing Waste: No processing waste was observed.

Roads: As stated in the previous inspection report, the purpose of the road cut (see **Photo 2**) appears to continue to be used by cattle to access the adjacent areas.

Right of Entry: Fremont County owns the west end of the site. Mr. Rife confirmed with his office staff the lease for the east end with the City of Florence is current.

Reclamation Success: All major necessary grading is sloped to 3H:1V or flatter. However, in the southwest corner of the site, a topsoil stockpile was removed (see **Photo 3**) and placed on the adjacent slope, without being graded into place (see **Photo 4**). The DRMS cannot approve release from reclamation liability until this material is graded, seeded and vegetation is becoming established, typically after two growing seasons.

Revegetation: With the exception of the aforementioned moved topsoil stockpile material, vegetation on affected areas of the site are considered adequate. 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 within the permit boundary.

Signs and Markers: The permit sign was properly posted (see **Photo 5**) and boundary markers were observed

to delineate the permit boundary (see **Photo 6**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed.

Topsoil: The relocated topsoil (see **Photo 4**) needs to be spread evenly on the slope and revegetated in order to prevent its erosion.

Closeout Meeting: Mr. Rife and I discussed the need to grade the topsoil moved to the slope and disk the compacted area from which the topsoil was removed, then seed both areas. The DRMS cannot release sites where significant areas are not stabilized with establishing vegetation as required by the approved permit. This site will not be recommended for release until these conditions are corrected.

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

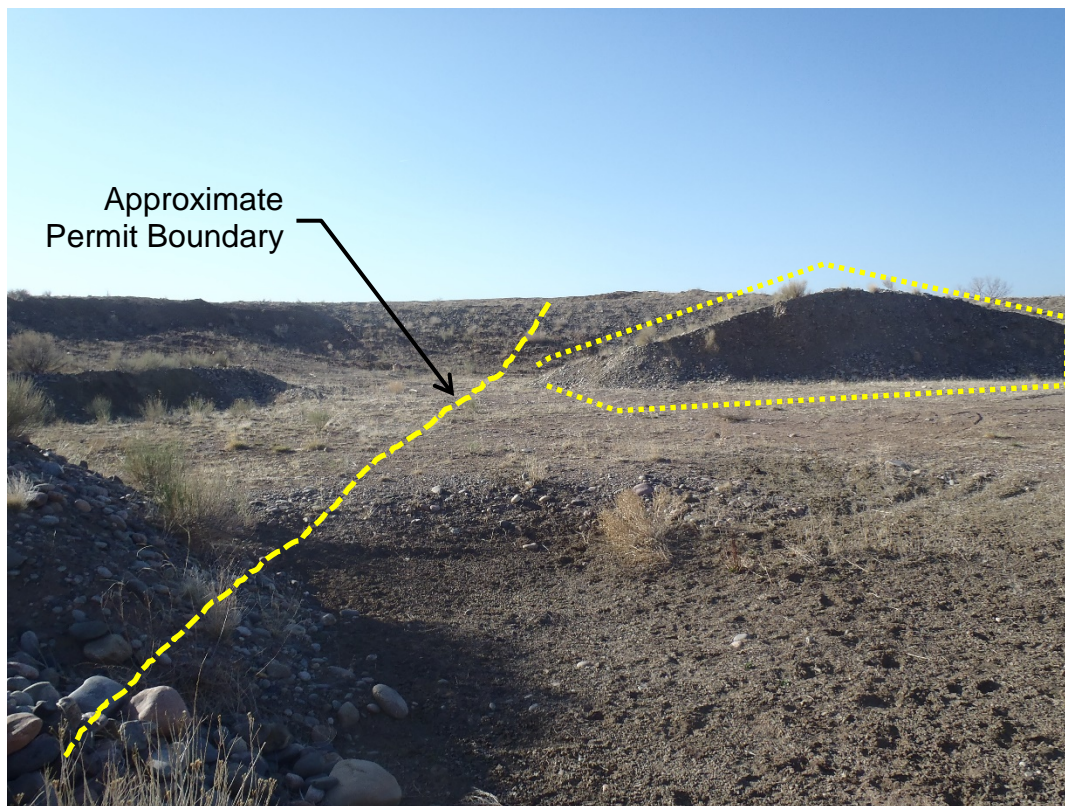


Photo 1. Product stockpile on Dist. No. 2 Gravel Pit (looking south).

PHOTOGRAPHS (cont.)



Photo 2. Revegetated road cut (cattle trail on left, looking west).



Photo 3. Topsoil stockpile removal area on ridge in SW corner (looking SW).

PHOTOGRAPHS (cont.)



Photo 4. Ungraded topsoil placed on graded slope (SW corner, looking NE).



Photo 5. Permit sign at road cut entrance (looking east).

PHOTOGRAPHS (cont.)



Photo 6. Typical boundary marker (SW corner, looking north).

Inspection Contact Address

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ec: DRMS file