




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety 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: Funk & Hooker Pit	MINE/PROSPECTING ID#: M-1979-058	MINERAL: Sand and gravel	COUNTY: Routt
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter Hays	INSP. DATE: October 8, 2019	INSP. TIME: 13:00
OPERATOR: Routt County	OPERATOR REPRESENTATIVE: Mike Mordi	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: No Bond Held	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 10, 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>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</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

The Funk & Hooker Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) in response to the submittal of a technical revision request (TR-02) by the Operator. The site was previously inspected by the Division on August 16, 2016. Mr. Mike Mordi with Routt County Road and Bridge was present during the inspection.

The site is an 112c sand and gravel operation permitted for 47.60 acres with 15.29 acres of mining disturbance in three (3) phases. The site is located in Routt County approximately two and half (2.5) miles east of Hayden, Colorado and south of Highway 40. The site was active at the time of the inspection. The approved Mining Plan states the north, south and east faces will be mined at 2H:1V slopes. The western face will daylight. The mined portions of the north and south highwalls were observed at the required grade. Material processing to create roadbase was occurring. A wheeled front-end loader was feeding the processing plant with excavated material. The mining excavation was occurring in the southern portion of the current Phase 2 Pit Area. The active highwall was estimated at 8 feet in height at a near vertical slope. Topsoil and overburden were stripped ahead of the mining excavation. The topsoil was stored south of the highwall. The overburden was being stripped and placed to the east of the highwall on top of the southern portion of the existing overburden stockpile. A stockpile of imported material from a nearby AML project completed by the Division was stored in the northwest corner of the pit floor. The Operator stated the imported material was mixed with the native material when more clay content was needed in the roadbase. The pit floor was dry and no erosion features were observed during the inspection.

The approved post-mining land use is rangeland. The mined 2H:1V slopes will be backfilled with overburden to a 4H:1V slope during reclamation. Six (6) to eight (8) feet of overburden and eight (8) inches of topsoil will be replaced during reclamation. A well-vegetated stockpile of topsoil was observed in the northeast corner of the site. Overburden stockpiles were observed along the eastern permit boundary. Most of the stockpiles were well-vegetated except for the areas where recently stripped overburden as being placed on the stockpile. No reclamation grading has occurred at the site. No financial warranty is held by the Division since the site is operated by a government agency. The mine identification sign and affected boundary markers were observed as required by Rule 3.1.12. The mine sign was located at the main entrance. The current permit boundary was delineated by t-posts and wire fencing on all sides. The proposed 36 acre permit boundary was delineated with wooden lathe. No noxious weeds were observed during the inspection.

Technical Revision

The Operator submitted a technical revision (TR-02) on September 4, 2019. The technical revision proposes mining boundary line adjustments reducing the current 47.6 acre site to 36 acres with the removal of areas along the western and northern permit boundaries. The Division is unable to approve the release of permitted lands through the technical revision process. The Division will require the Operator to submit an acreage reduction request for the areas pursuant to Rule 4.17.1.

The western acreage reduction area partially overlaps the permit boundary of the adjacent Hayden Pit operated by Oldcastle SW Group, Inc. and includes an undisturbed ephemeral drainage. During the inspection, a portion of the proposed western acreage reduction area was observed to be disturbed land for a former access road between Lathe 1 and Lathe 3 on the technical revision map. The Division will require the Operator to reclaim this area or removed the area from the proposed acreage reduction area. The northern acreage reduction area contains the visual berm adjacent to Hwy 40. The western acreage reduction area,

with the exception of the disturbed area mentioned above, and the northern acreage reduction area were determined to be eligible for release by the Division during the inspection, since the areas are permitted by another operator, undisturbed by mining activity or reclaimed according to the approved Reclamation Plan.

The Division recommends the Operator submit a request for acreage reduction of the areas within 60 days of the inspection date of this report (December 7, 2019) to allow the Division to use this inspection as the required acreage reduction inspection. A copy of the acreage reduction request form is available on the Division's website at: <https://mining.state.co.us/SiteCollectionDocuments/MineralsReleaseRequestForm.pdf>

Additionally, the Operator proposes mining boundary line adjustments reducing the current 47.6 acre site to 36 acres with the addition of an area along the eastern permit boundary. The Division is unable to approve the addition of acreage to the approved permit boundary through the technical revision process. The Operator was informed of the requirement to submit a permit amendment application pursuant to Rule 1.10 to increase the affected land boundary. The Operator stated during the inspection, the area would be evaluated to determine if the inclusion into the permit boundary is necessary. If the eastern area is not needed for the proposed revised mine plan phasing, the Operator stated the technical revision would be updated to return the eastern boundary to the currently approved location.

The Division will require the Operator to submit an updated technical revision indicating the proposed changes to the overall site based on the Operator's decisions regarding the acreage reduction areas and the determination regarding the eastern permit boundary location.

The Operator stated during the inspection, an acreage reduction request and a revised technical revision would be submitted to the Division soon. The Operator submitted an open-ended extension request for TR-02 to allow the Division to review the pending acreage reduction and technical revision concurrently. The extension request nullified the automatic approval provision of Rule 1.9.1.

Photographs taken during the inspection and an inspection map based on the observations from the inspection are attached. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at peter.hays@state.co.us.

Inspection Contact Address

Mike Mordi
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P.O. Box 773598
Steamboat Springs, CO 80477

Enclosure – Inspection Map, TR-02 Aerial Map for reference

Ec: Jared Ebert, DRMS

PHOTOGRAPHS



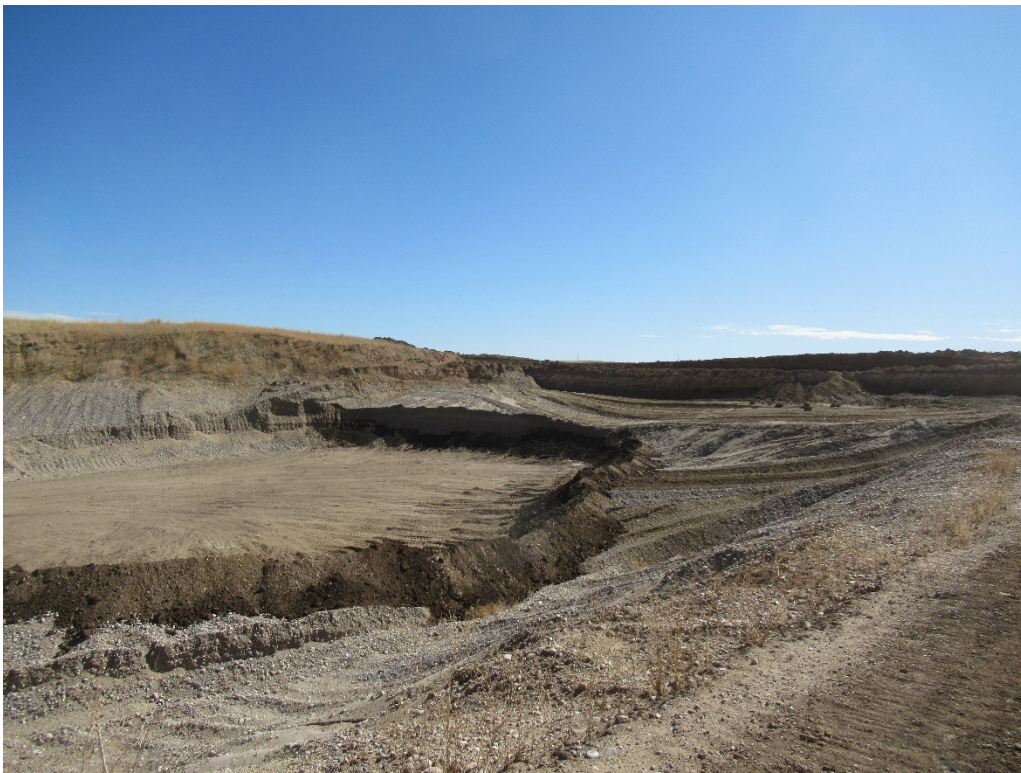
Funk & Hooker Pit mine sign



View of the pending acreage reduction area along the western boundary looking southeast from west corner (Lathe 1)



View of the pending acreage reduction area along the western boundary looking southeast from Lathe 3



View of the current highwall in the south portion of Phase 2 with overburden and topsoil removed ahead of excavation



Recently stripped topsoil stockpile south of current highwall



View of southern portion of site, recently place overburden and existing overburden stockpiles from the southeast corner (Lathe 5) looking north



View of the pending acreage reduction area along the northern boundary looking west from northeast corner
(Lathe 6)



View of the pending acreage reduction area along the northern boundary looking east from northwest corner
(Lathe 9)



View of the mine site from the northwest corner of the site looking southeast

Funk & Hooker Pit

M-1979-058

October 8, 2019 Inspection Map

Legend

- Eastern Additional Acreage Area
- Funk & Hooker Permit Boundary - Current
- Funk & Hooker Permit Boundary - Proposed
- Funk & Hooker Pit
- Imported Stockpile
- Northern Acreage Reduction Area
- Overburden Stockpile
- Screening Berm
- Topsoil Stockpile
- Western Acreage Reduction Area

Northern Acreage Reduction Area

Eastern Additional Acreage Area

Western Acreage Reduction Area

Funk & Hooker Pit

Google Earth

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1000 ft

