




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: Ackerman Pit	MINE/PROSPECTING ID#: M-2019-037	MINERAL: Sand and gravel	COUNTY: Cheyenne
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy Cazier	INSP. DATE: June 11, 2020	INSP. TIME: 11:55
OPERATOR: Cheyenne County	OPERATOR REPRESENTATIVE: Jim Brown	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: July 2, 2020	

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>N</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>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 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 Permittee (Cheyenne County) was represented by Mr. Jim Brown during the inspection. The Ackerman Pit is accessed from Co Rd U approximately 0.2 miles east the intersection with Co Rd 50, roughly seven miles NE of Cheyenne Wells. This is a 110c sand and gravel mine. It was not operating at the time of the inspection, but initial mining activities were started the week prior to this inspection.

Availability of Records: Annual fees and report are not due until August 14, 2020. This was the DRMS's first inspection of this site. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are privately owned.

Acid And Toxic Materials: No acid or toxic materials are involved in this operation, nor were any above ground fuel/oil storage tanks were observed.

Backfilling and Grading: Sufficient backfill material appeared to be available. Final slopes are to be no steeper than 3H:1V.

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

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 8.94 acres. The extent of the disturbed area (1.27 acres, see attached **Post-Inspection Map**) was measured using a Trimble Juno 3B handheld GPS unit during the inspection, and consisted of three trenches (see **Photos 1** and **2**) approximately six to eight feet deep, stockpiled topsoil on the west side (see **Photo 3**) and the staging area on the east side of the trenches (see **Photo 4**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on site observations. However, the topsoil stockpiled on the west side is on, or possibly slightly over the line-of-sight permit boundary (see **Photo 3**). This inspector informed Mr. Brown of the proximity issue.

Processing Waste: No processing waste was observed.

Roads: The roughly 1,700 foot long access road did not appear to be a source of sediment that could be tracked offsite. Road side ditches were clean (see **Photos 5** and **6**).

Right of Entry: The legal right of entry documentation provided with the permit application was signed by the landowner and provided no end date.

Reclamation Success: No reclamation has been initiated.

Revegetation: No revegetation had been initiated. Some downy brome (cheat grass, see **Photo 7**) was observed on the south side near the edge of the Smokey Hill River. This is a noxious weed List C species, so it was not

cited as a problem. However, the Operator should implement a weed control program to reduce the cheat grass on site.

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

Support Facilities On-site: A loader and dozer were observed on site (see **Photo 4**).

Signs and Markers: The permit sign was properly posted (see **Photo 8**) and T-post boundary markers were observed to delineate the permit boundary (see **Photo 3**). This inspector recommended additional boundary markers be placed on the north side to maintain the offset from the fence.

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Stormwater drains to the pit and infiltrates.

Topsoil: Topsoil was stockpiled on the west side of the pit (see **Photo 3**).

Structures: The only structure observed within 200 feet of the affected area was the fence (see **Photo 9**) identified in Exhibit E of the application, on the north side of the site.

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. North trench (1) and product stockpile (looking SE from NW corner).

PHOTOGRAPHS (cont.)



Photo 2. Three trenches (1, 2 and 3 – looking SW).



Photo 3. Typical permit boundary marker and topsoil stockpile (west side, looking north).

PHOTOGRAPHS (cont.)



Photo 4. Staging area, loader, and dozer (looking south).



Photo 5. Access road from Co Rd U (looking north).

PHOTOGRAPHS (cont.)



Photo 6. Access road from Smokey Hill River (looking NE).



Photo 7. Downy brome near Smokey Hill River (file folder for scale).

PHOTOGRAPHS (cont.)



Photo 8. Permit sign at entrance off Co Rd U.



Photo 9. Fence on north side (looking SE).

Inspection Contact Address

Marcy Brossman
Cheyenne County
51 S 1st Street
Cheyenne Wells, CO 80810

Enclosure

ec: DRMS file
Marcy Brossman, Cheyenne County

M-2019-037 2020 Post-Inspection Map








Satellite Imagery from 4/23/2016

GPS features collected 6/11/2020 using Trimble Juno 3B unit

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Ackerman Pit

Legend

-  Ackerman Pit
-  M-19-37 Access Rd
-  M-19-37 Access road loop
-  M-19-37 Disturbance boundary
-  M-19-37 Permit Boundary - GPS based
-  M-19-37 Pioneer road
-  T-post

