


**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: Munsch Pit	MINE/PROSPECTING ID#: M-2000-018	MINERAL: Sand and gravel	COUNTY: Cheyenne
INSPECTION TYPE: Preoperation Inspection	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: July 6, 2017	INSP. TIME: 10:30
OPERATOR: Cheyenne County	OPERATOR REPRESENTATIVE: Jim Brown	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Preoperation Inspection	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 17, 2017	

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>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>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	(ST) STIPULATIONS----- <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 was a pre-operation inspection conducted as part of the review process for the current conversion application to modify the permit from a 110c to a 112cas required by the Mined Land Reclamation Board under MV2016052. The Permittee (Cheyenne County) was represented by Mr. Jim Brown during the inspection. The Munsch Pit is accessed from Cheyenne Co Rd M about 0.2 miles east of County Road 43 and is located approximately three miles south of Cheyenne Wells. This is a 110c being converted to a 112c sand and gravel mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through May 2017. The previous inspection was on June 29, 2016. The approved post-mine land use is rangeland. There is an open infraction (MV2016052) requiring this permit to be converted to a 112c permit for which this inspection was initiated.

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

Complete Inspection: The entire permit area was inspected. All new corners proposed by the conversion application were marked with survey lathe (see **Photo 1**). This inspector used a Juno 3B handheld GPS unit to collect locations of each corner. This inspector noted an overhead powerline on the north side of County Road M. Mr. Brown indicated the road easement is 60 feet wide. The proposed affected area boundary extends to the south side of County Road M. Therefore, the affected area boundary, which includes the proposed new access road is within 200 feet of the utility. **Pursuant to Rule 6.4.19, a "no negative effect" letter will be required for this conversion.** No other structures were noted within 200 feet of the proposed permit boundary.

Excess Spoil and Dev. Waste: Mr. Brown indicated overburden is not distinct from topsoil for this site.

Fish and Wildlife: No impacts were observed.

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

Gen. Compliance with Mine Plan: The site has not been active for several years according to Mr. Brown. Compliance is being pursued with the submittal of the aforementioned conversion application.

Processing Waste: Mr. Brown indicated no processing of the material is done. Topsoil is stripped and the underlying sand and gravel are loaded in trucks to various project locations.

Roads: The current access road will no longer be used by the County. The landowner has requested it remain for his use. The County intends to construct a new access road near the center of the north side of site at County Rd M. Mr. Brown showed this inspector "T" posts marking the end of the existing road where it was previously entered the pit. This portion of the access road has been requested to be released from the permit area and reclamation liability with the submittal of acreage release request no. 2 (AR-02). Site observations indicated this would be appropriate.

Reclamation Success: Most highwalls are 3H:1V or flatter and self vegetated except for the most recent working face (see **Photo 2**). The berm repair where the flood occurred as noted in the previously inspection was seeded and vegetation is progressing nicely (see **Photo 3**).

Revegetation: No noxious weeds were observed.

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

Signs and Markers: The permit sign was properly posted (see **Photo 4**) and boundary markers were observed to delineate the permit boundary (see **Photo 5**).

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 stockpiles were located on the north side of the pit (see **Photo 6**).

PHOTOGRAPHS



Photo 1. Typical new corner marked with survey lathe (NW corner, looking south).

PHOTOGRAPHS (cont.)



Photo 2. Most recent working face (background) and self vegetated surrounding areas (looking west).



Photo 3. Berm repair vegetation progressing nicely (looking NE).

PHOTOGRAPHS (cont.)



Photo 4. Permit sign properly posted.



Photo 5. Typical T-post boundary marker.

PHOTOGRAPHS (cont.)



Photo 6. Topsoil stockpiles located on north side of pit (looking NW).

Inspection Contact Address

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ec: DRMS file