




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: Eikermann	MINE/PROSPECTING ID#: M-2002-108	MINERAL: Sand and gravel	COUNTY: Lincoln
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: August 21, 2019	INSP. TIME: 09:30
OPERATOR: Lincoln County	OPERATOR REPRESENTATIVE: Fred Lundy	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: August 29, 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>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</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>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The Eikermann pit was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. The site was previously inspected by the Division on December 10, 2015 during a routine inspection. Fred Lundy with Lincoln County accompanied me during the inspection. The weather was windy, and the sky was clear.

The Eikermann pit is located approximately 12.5 miles east of Hugo, Colorado. Access to the site is directly off of Co Rd 45. The site is situated on the edge of a flat that rises to the south/southeast. The affected land is owned by Bob Eikermann. The pit is a 110c operation permitted for 9.5 acres for the removal of sand and gravel for county road maintenance and repair. The site is surrounded by rangeland and the post-mining land use is rangeland. A mine sign was observed as required by Rule 3.1.12.

The pit was not active at the time of inspection however the pit has seen some recent activity. There is a large electrical substation that is being developed approximately $\frac{3}{4}$ mile to the south of the pit. As development for that substation, in support of the abundant windmills in the area, a power pole is going to be located within the permit boundaries. A Technical Revision will have to be submitted, with updated Mining and Reclamation maps, and letter from the power company acknowledging that they are installing a structure in an active mine permit boundaries.

Disturbance at the site includes three short access roads on the western edge, a few topsoil stockpiles stored in the northern half of the site, overburden berms along the eastern and southern edges of the site, several material stockpiles of various sizes and shapes stored on the pit floor. The topsoil stockpiles appeared to be stable with vegetative cover consisting of native grasses mixed with annual weeds. The highwalls appeared to be stable overall, but exhibited some erosional damage in the form of rilling and a few small gullies. Erosion is contained within the permit boundaries.

During the inspection, the Division observed that the pit is very nearly mined out, with disturbance already at the edges of the permit boundary. Mr. Lundy stated that the mine should be entering into final reclamation soon.

The Division currently holds no financial warranty because it is a county operation.

The Division was able to GPS all permit boundary markers. All current mining is within the permit boundaries.

Photographs taken during the inspection are attached.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at patrick.lennberg@state.co.us if you have any questions regarding this report.

Inspection Contact Address

Fred Lundy
Lincoln County
P.O. Box 39
Hugo, CO 80821

cc: Michael Cunningham, DRMS

PHOTOGRAPHS



Photo 1: Mine sign at entrance off of County Road 45



Photo 2: Looking northeast across the site from the southwestern corner



Photo 3: Looking east along the southern permit boundary area, topsoil stockpile center right of picture



Photo 4: Looking northwest from near the southeastern corner of permit boundary



Photo 5: Typical permit boundary marker at the site



Photo 6: Highwall, center of picture, showing rilling occurring that is contained on pit floor



Photo 7: Conditions of the pit floor area



Photo 8: The grassy area in the center of picture is the proposed location of the power pole