




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: Andersen Farms	MINE/PROSPECTING ID#: M-2006-050	MINERAL: Sand and gravel	COUNTY: Lincoln
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: April 26, 2019	INSP. TIME: 09:10
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: May 2, 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>N</u>	(RD) ROADS----- <u>N</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 Andersen Farms 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 Andersen Farms Pit is located 14 miles northeast of Genoa, Colorado. Access to the site is off of Co Rd 35. The pit is situated on Dugout Creek, which only flows during heavy storm events. When carrying water, the creek flows eastward. The pit is a 110c operation permitted for 7.6 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 approved mining plan allows for extraction from the creek bed to a maximum depth of 6 feet, and extraction in a pit adjacent to the northern creek bank to a maximum depth of 12 feet. Efforts will be made to maintain all mined slopes at a 3H:1V gradient. The operator committed to leaving the southern (high) creek bank undisturbed. The operator also committed to working to keep stormwater runoff from draining into the creek from the pit area, which may require the construction of a berm along the southern edge of the pit. The approved reclamation plan calls for grading all disturbed slopes to 3H:1V or flatter, replacing topsoil at an average depth of 6 inches on disturbed land outside of the creek bed, and revegetating that land with a rangeland seed mixture. A berm will be left along the southern edge of the reclaimed pit, so that it can hold water for livestock use after reclamation.

The site was not active at the time of the inspection but is active periodically throughout the year. A topsoil stockpile is located near the northwest corner of the permit boundary and trends to the east. The stockpile is stable with some vegetation covering it with no evidence of erosion. All mining activities appeared to be restricted to the north side of the creek. The creek bed itself appeared to have not been mined in some time. The horseshoe-shaped pit opens up to the south, with the mined slopes at 3H:1V or flatter. The pit was approximately 5-10 feet deep. The northern mined slopes exhibited some erosional damage which the operator should continue to monitor and repair as needed. 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

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

CC: Michael Cunningham, DRMS

PHOTOGRAPHS



Photo 1: Mine sign at entrance off of County Road 35



Photo 2: Topsoil stockpile near the northwestern portion of permit area



Photo 3: A view from the southern high bank looking towards the northwestern corner of permit at trucks



Photo 4: Dugout Creek as it enters the permit area



Photo 5: Horseshoe shaped pit in the southern portion of permit



Photo 6: Dugout Creek as it passes around the pit area, southern pit high bank center background of photo



Photo 7: Pit area looking to the south



Photo 8: Erosion features along the northern mined area