



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: Ellis Allen Pit	MINE/PROSPECTING ID#: M-1984-185	MINERAL: Sand and gravel	COUNTY: Lincoln
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: August 24, 2017	INSP. TIME: 10:15
OPERATOR: Lincoln County	OPERATOR REPRESENTATIVE: None	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: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 25, 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>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(CI) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>N</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 partial inspection was conducted as part of the regular monitoring program. The Division was inspecting the adjacent Broken Spear Pit (M-2000-050) and observed erosion rills on the Ellis Allen pit. The Permittee (Lincoln County) was not present for this short inspection. The Division did not enter the site, but observed conditions from the site entrance. The Ellis Allen Pit is accessed from Lincoln Co Rd is accessed from Lincoln Co Rd 31, about 12.6 miles north of Genoa (on US Hwy 24). This is a 110c sand and gravel mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through February 2017. The previous inspection was on December 10, 2015. The approved post-mine land use is rangeland. There are no open infractions.

Complete Inspection: As stated above this was a partial inspection focusing on the observed erosion.

Financial Warranty: As tis site is permitted by Lincoln County, no bond is required.

Fish and Wildlife: No direct impacts to wildlife were observed.

Hydrologic Balance: Some standing water was observed in or near the Arikaree River (see **Photo 1**), likely a result of the recent heavy rain. No known 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 8.2 acres. Google Earth was used to measure the disturbed area, which was estimated to be approximately 3.5 acres (based on June 13, 2017 imagery).

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked to paved roads.

Sediment Control: Erosion rills and gullies observed and noted in the December 2015 inspection have apparently grown (see **Photo 2**). Lincoln County should address these erosion features and apply best management practices (BMPs) before these erosion problems migrate/head cut offsite.

Support Facilities On-site: A loader and a dozer were observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 3**). Boundary markers were not checked. However the west side of the pit is fenced.

Permit Stipulations: There are no permit stipulations.

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. Standing water observed in or near the Arikaree River (looking south).



Photo 2. Erosion gullies on northeast slope.

PHOTOGRAPHS (cont.)



Photo 3. Permit sign (at entrance).

Inspection Contact Address

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CC: DRMS file