




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.

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| MINE NAME: Lofdahl | MINE/PROSPECTING ID#: M-2004-001 | MINERAL: Sand and gravel | COUNTY: Lincoln |
| INSPECTION TYPE: Monitoring | INSPECTOR(S): Timothy A. Cazier | INSP. DATE: August 23, 2017 | INSP. TIME: 14:20 |
| OPERATOR: Lincoln County | OPERATOR REPRESENTATIVE: Trey James & Rick Ashcraft | TYPE OF OPERATION: 112c - Construction Regular Operation | |
| 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: October 20, 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.

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| (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>N</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>Y</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>Y</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 inspection was conducted as part of the regular monitoring program. The Permittee (Lincoln County) was represented by Messrs. Trey James and Rick Ashcraft during the inspection. The Lofdahl pit is accessed from Lincoln Co Rd 36 (about 20 miles south of Hugo). The access road is located approximately 0.7 miles north of Hwy 94. This is a 112c sand and gravel mine. It was operating at the time of the inspection.

Availability of Records: Annual fees are paid through February 2017. The previous inspection was on October 18, 2012. The approved post-mine land use is rangeland. There are no open infractions.

Backfilling and Grading: Sufficient backfill material appeared to be available to push down from the highwall crest.

Complete Inspection: The entire permit area was inspected. No problems were observed during the inspection.

Excess Spoil and Dev. Waste: Observed overburden piles appeared stable.

Financial Warranty: As the site is permitted by a government entity, no bond is required by the Division.

Fish and Wildlife: No impacts to wildlife were observed.

Hydrologic Balance: Some standing water was observed in the pit (see **Photo 1**) as a result of recent storms. It was determined not to be exposed groundwater.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 8 acres (based on 2014 imagery). The maximum affected area allowed by the approved permit is 28.2 acres. Highwalls were estimated to vary between 6 and 10 feet in height and appeared stable (see **Photo 2**). Mr. James indicated future mining would be towards the south.

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review.

Processing Waste: None observed.

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

Reclamation Success: The northwest slope had been graded to 3H:1V or flatter, topsoiled and seeded as per the approved reclamation plan.

Revegetation: Revegetation was observed to be proceeding well on the northwest slope (see **Photo 3**). No noxious weeds were observed.

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

Support Facilities On-site: A dozer, loader, and dump truck were observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 4**) and wood boundary marker posts 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. Representatives stated no stormwater management plan is required. Stormwater drains to the pit and infiltrates.

Topsoil: A topsoil stockpile was observed on the uphill side of the pit (see **Photo 6**) and two on the east side (see **Photos 1** and **7**) . All appeared stable.

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 the pit & south topsoil stockpile on right (looking SE).

PHOTOGRAPHS (cont.)



Photo 2. Highwalls estimated to vary between 6 and 10 feet in height.



Photo 3. Revegetation observed to be proceeding well on northwest slope (looking north).

PHOTOGRAPHS (cont.)



Photo 4. Permit sign at entrance.



Photo 5. Typical wood post boundary marker (NE corner).

PHOTOGRAPHS (cont.)



Photo 6. Topsoil stockpile observed on uphill side of pit (looking north).



Photo 7. North topsoil stockpile (east side).

Inspection Contact Address

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CC: DRMS file