


**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.

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| MINE NAME: Lawrence Pit | MINE/PROSPECTING ID#: M-1974-041 | MINERAL: Sand and gravel | COUNTY: Douglas |
| INSPECTION TYPE: Monitoring | INSPECTOR(S): Peter S. Hays | INSP. DATE: June 14, 2018 | INSP. TIME: 13:00 |
| OPERATOR: Lawrence Construction Company, Inc. | OPERATOR REPRESENTATIVE: Brian Benight | TYPE OF OPERATION: 112c - Construction Regular Operation | |

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| REASON FOR INSPECTION: Normal I&E Program | BOND CALCULATION TYPE: Partial Bond | BOND AMOUNT: \$294,000.00 |
| DATE OF COMPLAINT: NA | POST INSP. CONTACTS: None | JOINT INSP. AGENCY: None |
| WEATHER: Clear | INSPECTOR'S SIGNATURE:  | SIGNATURE DATE: June 18, 2018 |

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Signs & Markers

PROBLEM: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Rule 3.1.12(1).

CORRECTIVE ACTIONS: The Operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The Operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 7/18/18

OBSERVATIONS

The Lawrence Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. Mr. Brian Benight with Lawrence Construction Company, Inc. was present during the inspection. The site was previously inspected by the Division on December 8, 2015. A copy of the inspection map created based on the observations from this inspection is attached.

Mining Plan:

The Lawrence Pit is located approximately 4 miles southeast of Chatfield Reservoir and west of Plume Creek. The site is permitted as an 41.85 acre 112 Construction Materials operation. During the permit file review by the Division it was determined the permitted acreage for the site is 41.85, not the previously indicated 35 acres. The original permit application indicated 35 acres, however the legal description provided during the original permitting period indicated 41.85 acres. This discrepancy was corrected administratively by the Division. A copy of the legal description from 1974 is attached for reference. The inspection map created by the Division using Google Earth following this inspection confirmed the corrected acreage total. If the Operator disagrees with the revision in the total permitted acreage value, please contact the Division to discuss the change in acreage.

The mined commodity is sand and gravel, which is used primarily by the Operator for their own construction projects. The site was inactive during the inspection. The Operator stated sufficient minable resources remain in the south highwall. Mining activities will resume when material is need for a project close to the site. The mining operation has disturbed most of the permit area located west of Plum Creek. The site is primarily used to recycle concrete and asphalt. Concrete is dumped over the west highwall onto the pit floor where it is reprocessed by the Operator. Stockpiles of recycled concrete and asphalt were observed on the pit floor during the inspection.

As noted in the previous inspection report, an erosion gully has formed in the middle of the south highwall. The eroded material was contained in the pit floor. The Operator has attempted to stabilize the top of the feature. The feature should be monitored by the Operator, however since the feature is not near the permit boundary and the area adjacent to the feature will be mined in the future, the erosion gully is not cited as a problem by the Division. The pit floor was dry at the time of the inspection.

Sign and Boundary Markers:

As cited as a problem above, the required entrance sign was not posted as required by Rule 3.1.12. The Operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The Operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

Noxious Weeds:

Noxious weeds including Scotch thistle, downy brome (cheat grass) and diffuse knapweed were observed during the inspection. The Operator stated the noxious weeds would be controled as part of the operation of the construction yard.

Reclamation Plan:

The approved post mining land use is rangeland. The final highwall slopes mined at 2H:1V will be cut to the final 3H:1V grade with several gentle contour furrows. The site will be reclaimed with six to twelve inches of topsoil and revegetated with the approved seed mixture. A large stockpile of topsoil was observed in the southwest corner of the site. The Operator is in the process of rezoning the site from agricultural to general industrial with Douglas County.

Financial Warranty:

The Division currently holds a financial warranty in the amount of \$294,000.00, which appears adequate to complete the site reclamation.

Photographs taken during the inspection are attached.

Inspection Contact Address

David Morris
Lawrence Construction Company, Inc.
9002 N Moore Road
Littleton, CO 80125

Enclosure – Inspection Map, 1974 Legal Description

Ec: Michael Cunningham, DRMS

PHOTOGRAPHS



View of site from south highwall looking north



View of the site from the south highwall looking northwest



View of site from south highwall looking northeast



View of south highwall from southeast corner of pit floor looking southwest



View of the erosion gully in the south highwall

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

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| (AR) RECORDS----- <u>N</u> | (FN) FINANCIAL WARRANTY----- <u>N</u> | (RD) ROADS----- <u>Y</u> |
| (HB) HYDROLOGIC BALANCE----- <u>N</u> | (BG) BACKFILL & GRADING----- <u>N</u> | (EX) EXPLOSIVES----- <u>N</u> |
| (PW) PROCESSING WASTE/TAILING---- <u>N</u> | (SF) PROCESSING FACILITIES----- <u>N</u> | (TS) TOPSOIL----- <u>N</u> |
| (MP) GENL MINE PLAN COMPLIANCE- <u>N</u> | (FW) FISH & WILDLIFE----- <u>N</u> | (RV) REVEGETATION---- <u>N</u> |
| (SM) SIGNS AND MARKERS----- PB | (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>N</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