


**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: Greeley 35th Ave Pit | MINE/PROSPECTING ID#: M-1977-036 | MINERAL: Sand and gravel | COUNTY: Weld |
| INSPECTION TYPE: Monitoring | INSPECTOR(S): Peter S. Hays | INSP. DATE: March 8, 2018 | INSP. TIME: 12:00 |
| OPERATOR: Martin Marietta Materials, Inc. | OPERATOR REPRESENTATIVE: Julie Mikulas | 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: \$7,764,000.00 |
| DATE OF COMPLAINT: NA | POST INSP. CONTACTS: None | JOINT INSP. AGENCY: None |
| WEATHER: Clear | INSPECTOR'S SIGNATURE:  | SIGNATURE DATE: March 28, 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: 4/27/18

OBSERVATIONS

The Greeley 35th Avenue Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division) as part of the Division's monitoring inspection program. Mrs. Julie Mikulas with Martin Marietta Materials was present during the inspection. The site was previously inspected by the Division on September 4, 2014 for an amendment application (AM-02). The Division holds a financial warranty in the amount of \$7,774,000.

As cited as a problem, a mine site identification sign was not posted at the entrance of the site. 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 a proper sign has been posted by the corrective action date.

The West Pit is in final reclamation. The slurry wall around the West Pit was certified by the Division of Water Resources on December 1, 2015 according to the 2017-2018 Substitute Water Supply Plan. The pit slopes were graded to the approved 3H:1V slopes and the areas above the anticipated high water level were seeded. The pit vegetation consisted predominately of annual weeds. The reservoir was being filled with free water from the Cache La Poudre River during the inspection. Two erosion features were observed on the southeast slope of the oil and gas well pad along the south side of the pit.

The Operator is in the process of evaluating whether to convert the north lake, a middle lake and the current sedimentation pond into a slurry wall lined reservoir. The installation of the slurry wall would allow the Operator to mine the existing lakes deeper. The Operator would be required to submit an amendment application to change the post-mining land use for the reservoir area to developed water resource.

The site is permitted for 381.38 acres with 345.5 acres of disturbance. The site was being actively mined during the inspection. Mining excavation and processing were occurring in the middle of the site. The mining excavation was progressing from the west to the east with a dozer. The asphalt and concrete batch plants were observed in the southwest portion of the site.

Photographs taken during the inspection and an inspection map are attached.

Inspection Contact Address

Julie Mikulas
Martin Marietta Materials, Inc.
1800 N. Taft Hill Road
Fort Collins, CO 80521

Enclosure – Inspection Map

Ec: Wally Erickson, DRMS

PHOTOGRAPHS



View of the West Pit from the southeast corner looking north



View of the West Pit from the southeast corner looking west



View of the West Pit from the southwest corner looking northeast (pipes from Poudre River in left side of photo)



View of the West Pit from the southwest corner looking east



View of the active mining activity during the inspection looking northeast



View of the sedimentation pond from the northwest corner of the pond looking southeast



View of the West Pit from the east shoreline looking south



View of the West Pit from the east shoreline looking west



View of the north lake from the northeast corner looking west



View of the north lake from the northeast corner looking southwest

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>Y</u> | (FN) FINANCIAL WARRANTY----- <u>Y</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>Y</u> | (TS) TOPSOIL----- <u>N</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>PB</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>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

Greeley 35th Ave

M-1977-036

March 8, 2018 Inspection Map

Legend

- Active Mining Area
- Erosion Features Location
- Possible Future Reservoir Location
- Sedimentation Ponds
- West Pit

