




**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**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.

|   |   |  |                             |
|---|---|--|-----------------------------|
| <b>MINE NAME:</b><br>Riverside Pit              | <b>MINE/PROSPECTING ID#:</b><br>M-1976-056        | <b>MINERAL:</b><br>Sand and gravel                                 | <b>COUNTY:</b><br>Logan     |
| <b>INSPECTION TYPE:</b><br>Monitoring           | <b>INSPECTOR(S):</b><br>Elliott R. Russell        | <b>INSP. DATE:</b><br>October 1, 2015                              | <b>INSP. TIME:</b><br>10:30 |
| <b>OPERATOR:</b><br>McAtee Construction Company | <b>OPERATOR REPRESENTATIVE:</b><br>Darren Gebhart | <b>TYPE OF OPERATION:</b><br>112c - Construction Regular Operation |                             |

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|---|--|--|
| <b>REASON FOR INSPECTION:</b><br>Priority | <b>BOND CALCULATION TYPE:</b><br>None  | <b>BOND AMOUNT:</b><br>\$131,200.00      |
| <b>DATE OF COMPLAINT:</b><br>NA           | <b>POST INSP. CONTACTS:</b><br>None  | <b>JOINT INSP. AGENCY:</b><br>None       |
| <b>WEATHER:</b><br>Clear                  | <b>INSPECTOR'S SIGNATURE:</b><br> | <b>SIGNATURE DATE:</b><br>April, 1, 2016 |

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected. 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>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----- <u>N</u>        | (SW) STORM WATER MGT PLAN---- <u>N</u>   | (CI) COMPLETE INSP---- <u>N</u>  |
| (ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>   | (SC) SEDIMENT CONTROL----- <u>N</u>      | (RS) RECL PLAN/COMP-- <u>N</u>   |
| (AT) ACID OR TOXIC MATERIALS----- <u>NA</u> | (OD) OFF-SITE DAMAGE----- <u>NA</u>      | (ST) STIPULATIONS----- <u>NA</u> |

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **PROBLEMS/POSSIBLE VIOLATIONS**

None observed during the inspection.

## **OBSERVATIONS**

The Division of Reclamation, Mining and Safety (Division/DRMS) conducted an inspection of the Riverside Pit (Permit File No. M-1976-056), a Construction Material Regular 112c Operation Reclamation Permit with 86.4 permitted acres and an approved post mining land use of Wildlife Habitat. The mine is located west of the South Platte River in Sterling, Colorado. Elliott Russell, with the Division, inspected the site. Darren Gebhart represented the Operator and accompanied the inspection. Wally Erickson, also with the Division, and Steve O'Brian, the Operator's consultant with Environment Inc., also accompanied the inspection. This inspection was carried out after the Division's received a Technical Revision (TR-04) on July 24, 2015 regarding recent flood damage at the site and proposed changes to the reclamation plan.

This inspection focused on the Lake Robert, located in the eastern portion of the permit on the east side of the Lowline Ditch. This area had been damaged by floods that occurred in the fall of 2013 and the spring of 2015. As previously observed during the last DRMS inspection, it appears this damage was caused the Lowline Ditch, which had overflowed its banks during the flooding events and caused water to enter Lake Robert from a return channel located south of the permit. Flood waters cut a channel into Lake Robert on the southeast corner and out in the center of the northern shoreline. During this inspection, the Division observed that approximately the southern 5 acres of Lake Robert has been filled in with sediment, reducing the amount of open water in the lake to approximately 7 acres (all located in the northern portion of the lake now). A small channel had developed from the southeast corner of the lake to the central-western shoreline. No water was entering the Lake at the time of the inspection.

Based on observations and discussion with Mr. Gebhart and Mr. O'Brian, the best option to move forward with this situation is to stabilize and protect the outlet on the north side of Lake Robert. Constructing an armored outlet will help allow flood stage waters to leave Lake Robert and return to the South Platte, reducing the chance for causing erosion and further damage to the northern shoreline. Creating this structure would also re-establish access to the east side of Lake Robert. The Operator stated they would revise the Technical Revision and submit the information the Division. TR-04 was approved on December 31, 2015. The Operator submitted photographs of the completed work on the outlet of Lake Robert on February 23, 2016.

The Division agreed with the Operator that it would be best to establish a 5 year period to re-evaluate the Lake Robert area. This time period could possibly allow the site to stabilize on its own without requiring the Operator to do major construction activities, which may be destroyed or damaged with future spring run-off and flooding events. After this time period ends, roughly at the end of 2020, the Operator and the Division can re-evaluate the area to determine if further repair work and/or reclamation is needed.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8132**, or by email at [elliott.russell@state.co.us](mailto:elliott.russell@state.co.us).

### **Inspection Contact Address**

Darren Gebhart  
McAtee Construction Company  
P.O. Box 1908  
Sterling, CO 80751

CC: Wally Erickson; DRMS

**PHOTOGRAPHS**



Lake Robert filled partly by sediment; looking north from the original southern bank.



Cut channel entering Lake Robert in the southwest corner; looking north.





Cut channel entering Lake Robert in the southwest corner; looking southwest.



Southern portion of Lake Robert filled with sediment; looking southeast.





Cut outlet on the north side of Lake Robert in need of stabilization and armoring; looking northwest.



Cut outlet on the north side of Lake Robert in need of stabilization and armoring; looking south.