




**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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|--|--|--|-----------------------------|
| <b>MINE NAME:</b><br>Hazeltine Mine                        | <b>MINE/PROSPECTING ID#:</b><br>M-2004-031   | <b>MINERAL:</b><br>Sand and gravel                                 | <b>COUNTY:</b><br>Adams     |
| <b>INSPECTION TYPE:</b><br>Acreage Release Inspection      | <b>INSPECTOR(S):</b><br>Jared L. Ebert   | <b>INSP. DATE:</b><br>October 10, 2018                             | <b>INSP. TIME:</b><br>12:25 |
| <b>OPERATOR:</b><br>Aggregate Industries - WCR, Inc.       | <b>OPERATOR REPRESENTATIVE:</b><br>Connie Davis  | <b>TYPE OF OPERATION:</b><br>112c - Construction Regular Operation |                             |
| <b>REASON FOR INSPECTION:</b><br>Acreage Release Requested | <b>BOND CALCULATION TYPE:</b><br>None  | <b>BOND AMOUNT:</b><br>\$670,602.00                                |                             |
| <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>Cloudy                                  | <b>INSPECTOR'S SIGNATURE:</b><br> | <b>SIGNATURE DATE:</b><br>October 15, 2018                         |                             |

**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>N</u>                 | (FN) FINANCIAL WARRANTY----- <u>N</u>    | (RD) ROADS----- <u>N</u>        |
| (HB) HYDROLOGIC BALANCE----- <u>Y</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>       | (SP) STORM WATER MGT PLAN---- <u>N</u>   | (RS) RECL PLAN/COMP-- <u>Y</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

## **OBSERVATIONS**

This was an inspection of the Hazeltine Mine, Division of Reclamation, Mining and Safety (DRMS or Division) permit number M-2004-031, operated by Aggregate Industries - WCR, Inc. (AI). I, Jared Ebert and Patrick Lennberg with DRMS conducted the inspection. Ms. Connie Davis with AI accompanied us during the inspection. The weather was cloudy and cold at the time of the inspection.

AI submitted an acreage reduction request (AR01) for 19 acres of land in the northeast corner of the site. The Division received the AR01 application on September 12, 2018. The primary reason for the inspection was to evaluate the bond release area in accordance with Rule 4.17.2. Also, the Orr property was observed during the inspection as well as the area around the Orr drain.

### **Hydrologic Balance:**

The Orr property was observed. Overall, it does not appear much has changed on the Orr property since the last DRMS inspection on August 20, 2018. The surface of the property is still marshy as the groundwater table appears to still be very near the surface. The pool of water that has been noted near the center of the Orr property in previous Division inspections is no longer present.

The Orr drain was open and discharging at the time of the inspection. AI has removed the stop logs upstream of the drain opening. Monitoring Well HZMW-2 appeared accessible. Monitoring Wells HZMW-11A and HZMW-11B were also accessible, however standing water was observed around the casings of the wells. The revised permanent groundwater mitigation plan was approved on September 11, 2018.

### **Reclamation Success:**

The bond release area consists of a 19 acre area that was originally designated as Phase 1A in the approved mining plan. This area does not appear to have been affected by the mining operation. The acreage release area consists of a relatively level parcel that is bordered by the Fulton Ditch. Given the area has been affected by the mining operation, the Division will approve the bond release request. The approval date will be the date this inspection report is sent. The Division is required to wait thirty (30) days from the approval date to issue the final decision on the AR01 application to allow for an appeal in accordance with Rule 4.17.2(5).

**PHOTOGRAPHS**



**Figure 1. From the southeast corner of the AR01 area looking north.**



**Figure 2. From the center of the AR01 bond release area looking northwest.**





Figure 3. From the southeast side of the Orr Property looking west.



Figure 4. From the south end of the Orr Drain looking north.





**Figure 5. Orr Drain discharging into the pit.**



**Figure 6. Orr Drain outlet.**





**Figure 7. Water pooled from Orr Drain discharge at the north east portion of the pit.**



**Figure 8. Monitoring Well HZMW-11A.**

**Inspection Contact Address**

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Enclosure

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