




**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> Morrison Quarry	<b>MINE/PROSPECTING ID#:</b> M1973-021	<b>MINERAL:</b> aggregate	<b>COUNTY:</b> Jefferson
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Eric Scott /Michael Cunningham	<b>INSP. DATE:</b> July 10, 2020	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Aggregate Industries	<b>OPERATOR REPRESENTATIVE:</b> Jeremy Dueto	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$1,595,615.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> July 22, 2020

**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:** Roads

**PROBLEM/POSSIBLE VIOLATION:** Problem: During the review of the 2018 AM06 submittal, (subsequently withdrawn by permittee) and the associated pre-operation inspection, it came to the attention of DRMS that the existing access road to the mine, including the scale and truck wash area, was not included in the permit area. Due to site specific circumstances, DRMS will allow the permittee to address this issue though the submittal of a new permit amendment which will include the access road in the permit area, as well as address other possible revisions to the mining and reclamation plans.

**CORRECTIVE ACTIONS:** The amendment application for permit M1973-021 addressing at a minimum the inclusion of the access road and associated features into the permit area, will be submitted to DRMS complete for review, no later than October 1, 2020, unless otherwise approved by DRMS.

**CORRECTIVE ACTION DUE DATE:** 10/01/20

**INSPECTION TOPIC:** Hydrologic Balance – retaining surface runoff longer than 72 hours.

**PROBLEM/POSSIBLE VIOLATION:** Problem: During the inspection it was noted that surface runoff at the south end of the quarry had been impounded (Photo 6). All surface water runoff is required to be discharged into the original drainage within 72 hours if the site is not free draining.

**CORRECTIVE ACTIONS:** Pump the water out of the impounded area and return the water to the appropriate surface water drainage. Provide documentation to DRMS (photos of dewatered area will be appropriate) that this has been completed by the Corrective Action Due Date.

**CORRECTIVE ACTION DUE DATE:** 8/15/20

### **OBSERVATIONS**

This was a routine monitoring inspection for the Morrison Quarry conducted by Eric Scott and Michael Cunningham of DRMS. DRMS accompanied Aggregate Industries (AI) representative Jeremy Dueto and their consultant, Drew Lockman of GEI, on a tour of the site after meeting at approximately 10:00 at the site office. The first part of the inspection was spent with AI and GEI at the site office discussing how best to address some site specific issues previously identified by DRMS.

The site tour started at the office overlooking the North Reservoir and process areas (photos 1 and 2). Overall, the field conditions were largely unchanged from the previous inspection conducted in early 2019.

The areas of the North Quarry that have been reclaimed appear to be stable and well vegetated (photo 3). A small amount of knapweed was observed in some of the more recently disturbed areas and near the site office trailer. Weed control efforts will need to be maintained across the site where appropriate to keep noxious weeds from becoming established.

The Central Quarry area has been fully backfilled to final grade at this time and is serving as a product stockpile, process and fueling area (photo 4).

The south high wall of the South Quarry (photo 5) is the currently active phase of the mine. Slope survey/monitoring points were observed in several locations in the south quarry so that the operator can monitor for any slope movement and evaluate if corrective action is necessary. During the inspection the slopes and benches appeared to be stable, and the completed upper portions of the active slope are currently under reclamation and revegetation.

The only issues noted during this inspection requiring correction have been listed above: the existing access road and associated features will need to be included in the permit area; and impounded surface runoff will need to be discharged from the site (Photo 6). The operator will need to provide proof of discharge of impounded surface water by the corrective action due date listed (8/15/20), and submit a permit amendment application to address the haul road (at a minimum) to DRMS, complete for review, no later than 10/1/20.



## **PHOTOGRAPHS**



**Photo 1 – Process area and North Reservoir**



**Photo 2 – Process area and North Reservoir**



**Photo 3 – Reclaimed area of North Quarry looking SE**



**Photo 4 – Central Quarry area looking north**



**Photo 5 – Drill rig on South side of South Quarry area looking SW**



**Photo 6 – Impounded surface runoff in SE corner of South Quarry area that needs to be discharged from site.**

### GENERAL INSPECTION TOPICS

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

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>PB</u>
(HB) HYDROLOGIC BALANCE----- <u>PB</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</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>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	

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

#### Inspection Contact Address

Jeremy Dueto  
Aggregate Industries  
1687 Cole Blvd Ste 300  
Golden CO 80401