


**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.

MINE NAME: Mid-Continent LST	MINE/PROSPECTING ID#: M-1982-121	MINERAL: Limestone (general)	COUNTY: Garfield
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy C. Yeldell	INSP. DATE: April 10, 2019	INSP. TIME: 10:00
OPERATOR: RMR Aggregates, Inc.	OPERATOR REPRESENTATIVE: Robert Wagner	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$222,081.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: U.S.BLM	
WEATHER: Raining	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 6, 2019	

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

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

OBSERVATIONS

This inspection was conducted as part of the Colorado Division of Reclamation, Mining and Safety (Division) normal monitoring program. The Mid-Continent LST is a 112c permitted site that includes a total of 38 acres. This site is located approximately 1.2 miles north of Glenwood Springs, Colorado and is accessed via the Transfer Trail Road. This was a joint agency inspection with Jessica Lopez Pearce, Helen Mary Johnson and Larry Sandoval of the Colorado River Valley Field Office BLM. Lucas West and Amy Yeldell of the Division conducted the inspection. Robert Wagner and Justin Olin represented RMR Aggregates, Inc.

New specialists from both BLM and DRMS reviewed the site. The group spent a fair amount of time reviewing each agencies permitting history and path moving forward. This allowed for good discussion between agencies as well as a clear picture of expectations for the operator. County issues were briefly discussed and the Operator indicated that they had been in consultation with the county and are working with them to resolve Special Use permit issues.

Baseline water characterization/sampling work is expected to begin this summer. The Division discussed potential DRMS permitting requirements and timelines for those actions. To date no DRMS revisions regarding baseline information for the expansion have been submitted.

Mill Bench (see photo one):

The vegetation plots to the west of the mill building were observed. Some early cool season plants have begun to germinate. All of the germinating plants appear to be of one species of Brome, it is likely that as temperatures warm other species will also germinate (photo two). So far the test plots are proving as a viable option to utilize some of the fine material for reclamation. This area appeared to be weed free. The hill side above the revegetation test plots did have large amounts of Common Mullen. These areas should be treated as soon as practicable. No other weed infestations were observed at this time.

A fuel tank in proper secondary containment remains in place west of the mill building adjacent to the propane tanks. The equipment laydown yard remains well organized.

The winter snow pack has completely melted however spring weather continues to bring rain/snow storms. The sediment pond did show some signs of erosion on the outer slope. It appears that the berm became so saturated due to infiltration that water actually began to move through the berm and erode off the back side. It did not appear as though the stormwater overtopped the berm. There was additional erosion within the armored channel farther down the hillside. The rip-rap armor does not go all the way down to the lower sediment pond, these unarmored portions of the channel had increased erosion/cutting visible. A clean out pile was observed adjacent to the sediment pond, this material has yet to be placed in a permanent stockpile location (see photo three). The Division encourages the operator to clean out the remaining sediment within their sediment pond to ensure that ample volume is readily available if necessary. This material should also be stockpiled for reclamation purposes. Once soil conditions become favorable, repairs and armoring to the sediment pond berm and channel are recommended. The Division notes that the 2018-2019 winter snow pack was above average and melted extremely quickly due to rain.

Processing Bench:

The crusher, dozer, dust suppression water tank and fuel tank remain on the processing bench.

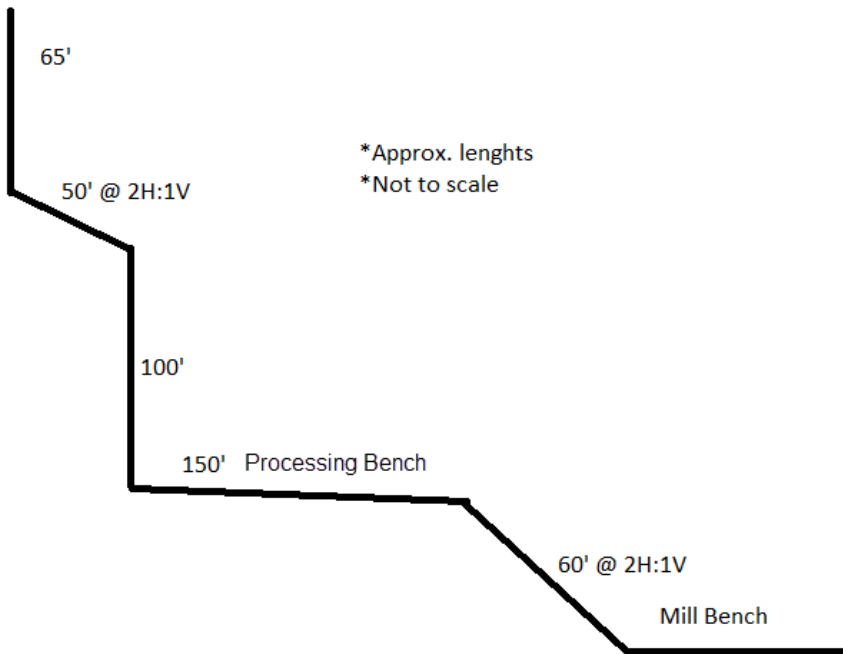
The Division was able to see the TR-5 2018 Drill holes located on the processing bench (photo four). This drilling has concluded and all hole completion information has been submitted. On December 14, 2018 RMR conducted a blast removing approximately 20-30 feet of highwall directly north of the crusher (photo five). This was the same area that the drill holes were located within. The majority of the drill holes are now indistinguishable amongst the blasted rock.

Fines are continuing to be re-ran to eliminate waste. Any fines that are not marketable are placed in the permanent fines storage area which is on the northeast corner of the processing bench.

Between the consolidation of stockpiles and additional blasting the workable area within the processing bench has increased and opened up and is now approximately 150 ft. deep. Mr. Olin indicated that it is still RMR's intent to in time bring the processing bench level with the mill bench.

Production bench/Highwall (see photo six):

The highwall is made up of two main faces approximately 800 feet wide. The top face is approximately 65 feet high with a 50 foot wide bench below it that's estimated to be at 2H:1V slope. The lower highwall is approximately 100 feet high. See sketch below



The Division currently requires a financial warranty amount of \$222,081 for this site. The bond was last recalculated with TR-5 in 2018. In an effort to ensure the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan the Division will be updating the reclamation cost estimate. If the current bond is found to be insufficient the Division will send a Notice of Surety Increase under a separate cover.

The mine identification sign and affected area boundary markers are in place and in compliance with Rule 3.1.12. No trash or other refuse were observed. No problems or violations were noted during this inspection.

Responses to this inspection report should be directed to: Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

Inspection Contact Address

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Enclosures-Pictures

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Jessica Lopez Pearce, Colorado River Valley Field Office BLM

Lucas West, EPS, GJFO DRMS

PHOTOGRAPHS



Photo One: Overview of mill bench pad



Photo Two: Reveg test plots with some Brome germination



Photo Three: Mill bench sediment pond with excavated clean out material



Photo Four: TR-5 drill hole mark adjacent to December 2018 blast area.



Photo Five: Recent blast site/ TR-5 drill hole location



Photo Six: Overview of two main highwall faces above the processing bench