




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: Pikeview Quarry	MINE/PROSPECTING ID#: M-1977-211	MINERAL: Limestone (general), granite gneiss and do	COUNTY: El Paso
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: June 22, 2023	INSP. TIME: 10:00
OPERATOR: Riverbend Industries Inc.	OPERATOR REPRESENTATIVE: Jerry Schnabel	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$13,389,784.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Zach Trujillo	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 26, 2023	

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>N</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>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</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>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</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 by Zach Trujillo of the Colorado Division of Reclamation Mining and Safety (Division) as part of the continuing planned monthly inspections to observe the backfill placement for the final reclamation of the Pikeview Quarry. Jerry Schnabel representing Riverbend Industries, Harold Henry and Paul Kos of Stantec were present during the inspection. Julie Spawn and Kyle Schermerhorn of USFS also attended the inspection.

The Pikeview Quarry is accessed from near the intersection of Centennial Blvd. and Vindicator Dr. north of Colorado Springs. The quarry has ceased extraction of mined product and is actively focused on final reclamation. The focus of this inspection was to observe backfill placement and compaction efforts along with additional reclamation activities. This included reviewing compaction testing records and slope monitoring data.

Records

Compaction testing records were reviewed back to the previous inspection (May 10, 2023). All tests in this period (May 11, 2023 to June 22, 2023) demonstrated at least 90 percent compaction which meets or exceeds the approved specification.

Prism data from the GEOMOS system which tracks the slide area movement was also presented during the inspection. There were two breaks in the data that occurred roughly during June 14th and 18th. The two missing days were from the GEOMOS system losing power from storm related temperatures and then associated maintenance on the system. Trend lines generated from data points along the constructed buttress shows a flat pattern which indicates stability with minimal or no movement. Data associated with four of the prisms located within the upper unconsolidated material from the slide showed signs of settlement. After discussions with Stantec, it is believed that the settlement is most likely due to the moisture the area has received and does not indicate mass slope stability issues. This is also backed by the prism data provided for the slope buttress.

Backfill

Backfill and compaction efforts were not occurring during the inspection. A temporary cease on backfill placement has occurred for a change in contractors. Due to strong precipitation events, gullying has occurred along the face of the constructed buttress. Maintenance is planned to backfill and recompact the areas once operations recommence. Overall, the backfill remains stable.



Gully along buttress slope.

Topsoil

Topsoil placement was occurring along the southern portion of the buttress. Topsoil was being staged at the base of the buttress and then graded upslope with a dozer. Topsoil placement was also observed along the regraded slopes along the north-eastern portion of the site. Additional topsoil has been stockpiled along the old parking lot located across from the office building.



Topsoil placement along the buttress.

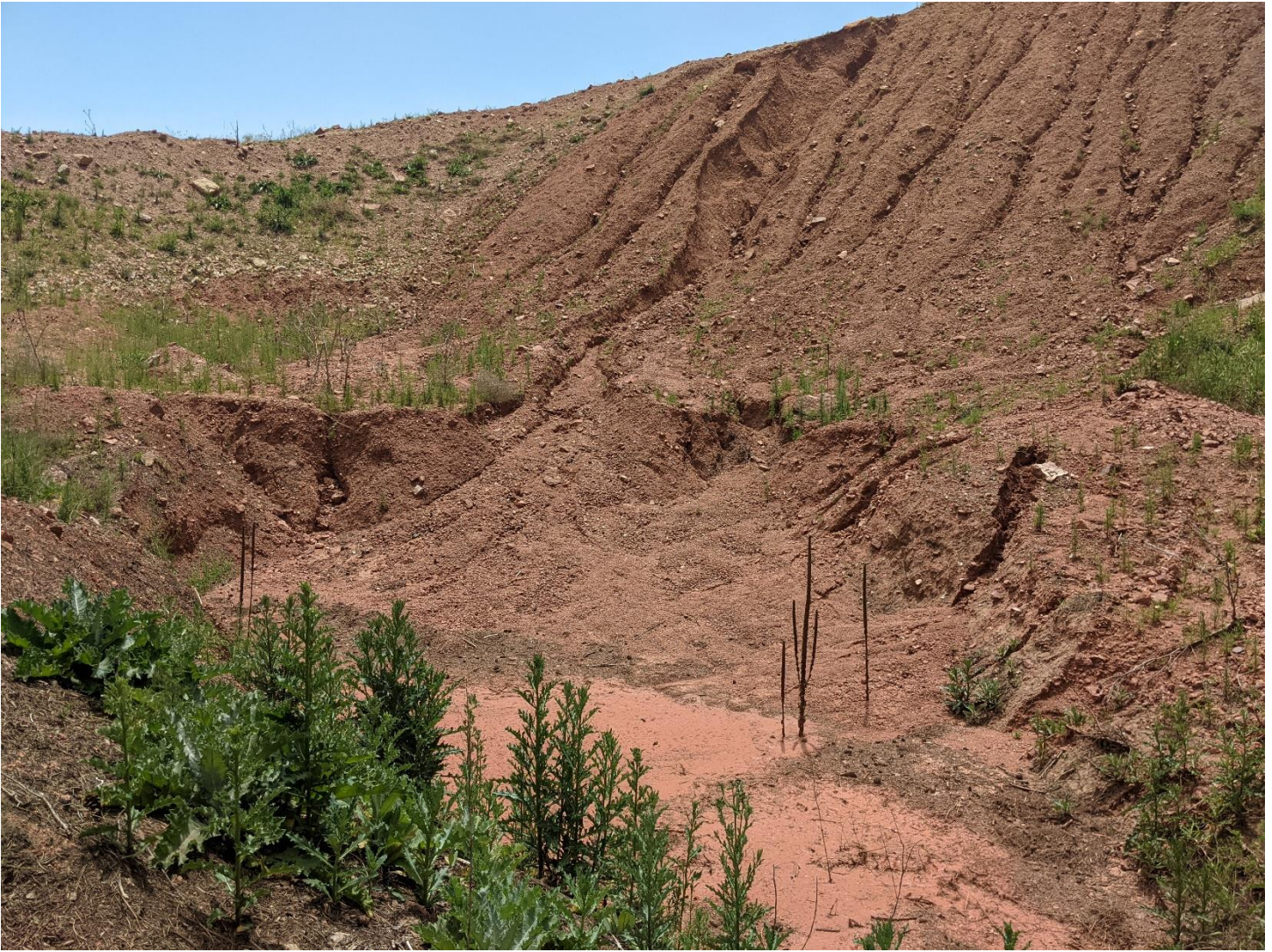


Topsoil placement along north-eastern regraded slope.

Hydrology

Due to the wet season, springs have formed in the upper portion of the slide area as well as above along the undisturbed USFS land. The water is intercepted and transported by the access road that circles the slide area before draining along the northern part of the slope. Due to the concentrated flow, minor erosion has occurred.

The culvert located beneath the access road along the north-western portion of the site was clogged during the inspection. Cleaning and maintenance for the culvert is planned.



Location of clogged culvert.

Inspection Contact Address

Jerry Schnabel
Riverbend Industries Inc.
425 South Financial Place , Suite 3100
Chicago, IL 60605

Enclosure

CC: