




**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> Pikeview Quarry	<b>MINE/PROSPECTING ID#:</b> M-1977-211	<b>MINERAL:</b> Limestone (general), granite gneiss and do	<b>COUNTY:</b> El Paso
<b>INSPECTION TYPE:</b> Monitoring	<b>WEATHER:</b> Cloudy	<b>INSP. DATE:</b> December 20, 2023	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Riverbend Industries Inc.	<b>OPERATOR REPRESENTATIVE:</b> Jerry Schnabel	<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> \$13,389,784.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>INSPECTOR(S):</b> Timothy Cazier, P.E. Hunter Ridley	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> December 22, 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>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</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>NA</u>	(FW) FISH & WILDLIFE----- <u>Y</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>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 Tim Cazier and Hunter Ridley (DRMS) as part of the continuing planned monthly inspections to observe the backfill placement for the final reclamation of the Pikeview Quarry. Jerry Schnabel (representing the Permittee, Riverbend Industries) and Tim Culberson (Stantec) were present for the inspection. USFS representatives were unable to attend due to schedule conflicts.

**Records:** Compaction testing records were reviewed back to November 9<sup>th</sup>, the last date not available during the previous inspection on November 16<sup>th</sup>. All test results reviewed in this period (November 9<sup>th</sup> to December 13<sup>th</sup>) demonstrated at least 90 percent compaction in compliance with the approved specification. No tests were performed on December 14, 15 or 18 (Thursday, Friday and Monday) as no work was performed due to weather conditions.

Mr. Schnabel presented the Leica prism system data and trends for December. Some expected settling was apparent, but no signs of potential slide activity have been evident.

**Backfilling and Grading:** Material removal and final subgrade contouring appeared to complete in the north borrow area, as growth media had been placed since the November 16<sup>th</sup> inspection (**Photo 1**). A Dozer was observed spreading growth media on the recently completed second level (**Photo 2**) and the scraper access road had been completed from the uppermost pit area (**Photo 3**). Scrapers using this road and dozer activity to push backfill material down from above the slide have moved a considerable amount of material (**Photo 4**). Mr. Schnabel assured the DRMS that no loose material would be accepted, and all placed backfill would be tested for compaction in accordance with the approved specifications.

**Explosives:** Mr. Schnabel indicated the highwall on the "South Peak" (**Photo 5**) would likely need to be blasted to achieve a stable landform safely. The DRMS approved the blasting plan technical revision (TR-23) request on December 19<sup>th</sup>. Mr. Schnabel expected blasting activities would begin in January of 2024.

**Fish and Wildlife:** No impact on wildlife was observed.

**Hydrologic Balance:** Discharge from the French drain (**Photo 6**) continues to be observed, demonstrating this system is functioning as designed.

**Post Inspection Meeting:** No problems or possible violations were observed during the inspection. Items of importance discussed during the site meeting are summarized below:

- Changes to the grading plan: Site representatives stated rock outcrops and the site geologic structure will require significant changes to the grading plan in some areas. It was agreed a technical revision should be submitted to the DRMS to address these changes.

Please contact Tim Cazier (303)328-5229 or email at [tim.cazier@state.co.us](mailto:tim.cazier@state.co.us) if you have any questions regarding this report.

## **PHOTOGRAPHS**



Photo 1. Recently placed growth media in the North borrow area (looking north).



Photo 2. Dozer spreading growth media from Level 2 (looking north).



**PHOTOGRAPHS (cont.)**



Photo 3. Scraper access road from above the slide area (looking NW).



Photo 4. Material pushed down from above slide area (looking NW).



**PHOTOGRAPHS (cont.)**



Photo 5. South Peak highwall likely to require some blasting work (looking south).



Photo 6. Clear water flowing from the French drain (near standpipes near office building).

**Inspection Contact Address**

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ec: DRMS file  
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