




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: December 16, 2024	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: \$6,805,607.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Hunter Ridley	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: December 20, 2024	

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>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>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>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 Hunter Ridley with the 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. As backfill placement has ceased, monthly inspections have continued to observe final grading and revegetation efforts. Jerry Schnabel (representing the Permittee, Riverbend Industries Inc.) and Stantec representative Paul Kos and Michaela Swain were present for the inspection. U.S. Forest Service (USFS) representatives Cullen Lapointe, Madison Banks, Julie Spawn, and Matt Williams were also present at the inspection. Earthwork on the South Borrow bench has not yet been completed. Therefore, the Division will conduct another inspection in January of 2025 to see the completion of all earthwork and material moving at the site. Only after completion of these tasks will the Division move to quarterly inspections.

On October 10, 2024 the Division received a submission for Surety Reduction 4 (SR-4). This reduction request is for tasks related to earthwork, topsoil placement, and rip rap placement. The Division has reviewed the materials submitted and recalculated the required financial warranty amount for the Pikeview Quarry. The updated estimate was sent to both the Operator and the Forest Service for review. Concurrence on the recalculated bond was received from the site and Forest Service. Therefore, the Division approved the Surety Reduction (SR-4) on December 17, 2024. The required bond amount will be final after the close of the 30-day appeal period.

The outbuilding and Office building still remain on site. On December 12, 2024, the Division received correspondence from the City of Colorado which requested, as a landowner, that the Office building remain in final reclamation.

The mine sign, which included all required information pursuant to Rule 3.1.12, was located at the site's access road.

Records: The placement of backfill material and subsequent compaction testing has ceased at Pikeview Quarry. In total, compaction testing occurred on backfill material from March of 2022 to July of 2024. A reduction in frequency of geotechnical report submission was approved by the Division in TR-25. This reduces reporting frequency from monthly to quarterly. The next report will be due in February 2025 and include observation data from October 2024 to December 2024.

Leica prism system data continues to be collected onsite and monitored by Riverbend Industries. This data was reviewed during the inspection. Trends continue to show that the slope is settling and minor movements continue to decrease each month. As site personnel leave the quarry through the winter months, Pikeview staff will be able to access this data remotely. Prism data will ultimately aid the Division in its decision to approve or deny the eventual final release of the Pikeview Quarry permit.

Backfilling and Grading: All major earthwork is complete at the site. However, the Division has retained a portion of the bond which addresses earthwork to serve as liability in case of any minor slumps or erosional work that may be needed throughout final reclamation. Two tie-in areas, at the Dragon's Back and lower bench area, are still in need of final rip rap placement. Large boulders are also being retained for use as energy dissipaters on the eastern end of the North Channel. This will allow for a more natural transition between the North Channel and the connecting creek.

The south borrow area is no longer being used to source rip rap material. Only placement of final rip rap remains as a task related to this area. Once all rip rap material has been removed and placed, the site will reduce the size of the bench by backfilling, topsoiling, and seeding up to the first bench of the talus slope. An initial layer of topsoil has already been placed in this area. A large rock outcrop will remain in this benched area to enhance the natural look of the slope face, similar to how the large rock and Kiewit Cliffs have been left on the buttress slope.

Roads: The site continues its work in obliterating all roads on Forest Service property, as requested by the Forest Service (Photos 4 and 5). The Forest Service has requested that the final 'design' of the obliterated road be comprised of the rough, pocketed piles of material seen in Photo 5. Topsoil from nearby is currently being used to facilitate this road obliteration. Each portion of the road is being approved by the Forest Service as Pikeview works on obliteration down the slope. A grading task remains in place with the Division to cover these costs and to cover the cost of rebuilding and re-

obliterating these roads, should maintenance work need to be completed on any of the onsite drainages while still in final reclamation. On City property, the City has opted to keep previous roadways flat, but these will be seeded to blend in with the surrounding landscape.

Fish and Wildlife: No negative impact on wildlife was observed. Several Bighorn rams were spotted on the upper levels of the buttress.

Revegetation & Topsoil: The Division has retained all bonding tasks associated with revegetation at the site. Areas which remain on site to be topsoiled and seeded include the south quarry area and the lower culvert area (Photo 2). Depending on how much excess matting material is available, these areas may receive matting instead of the usual seeding method.

Vegetation growth has effectively ended for the season, as trees, shrubs, and grasses enter their dormant winter period. Matt Williams, with the Forest Service, observed revegetation efforts on the northern permit area. The Forest Service will revisit the site in January to assess the preliminary survival rate of the tree species planted on USFS land. Matted areas across the site have upheld their stability and vegetated growth gained during the summer months. The un-matted areas show significantly less growth (Photo 3). These slopes will likely need to be reseeded. Some erosion rills are present on these un-matted slopes, but these are not large enough to cause concern for the Division.

Irrigation tanks are located on the lower buttress bench but will be removed once the site has completed all reclamation tasks related to earthwork and rip rap placement. No additional irrigation tanks are planned to be added anywhere onsite.

Hydrologic Balance & Sediment Control: Coconut matting onsite continues to hold up to stormwater and general erosion. Further natural testing of the drainage channel design will occur when the spring brings heavier rain and snow melt events.

The large culvert area at the eastern end of the site continues to allow water to flow through the buttress slope underdrain as designed. This water was observed to be flowing consistently and is now connected with a small creek at the edge of the permit and flowing into the adjacent open space. The western slope in this culvert area still requires some grading and lay back efforts to reduce the slope grade (Photo 1).

The guzzler system for the 'sheep pond' area has not yet been installed on the upper slope area.

Post Inspection Meeting: No problems or possible violations were observed during the inspection. Items of importance discussed during the site meeting and items which will need to be followed up on are summarized below:

- Future reduction of monthly inspection frequency to begin when only monitoring of revegetation efforts remain and as approved by the Division
- Address any concerns with the drainage channels, especially the Upper South Channel, into the Spring 2025 season
- Continue to monitor and address invasive species and weed removal across the site during the appropriate seasons

Photographs taken during the inspection have been included below. Responses to this inspection report should be directed to: Hunter Ridley at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 720-868-7757 or via email at hunter.ridley@state.co.us

PHOTOGRAPHS



Photo 1: Culvert area just west of the main office.



Photo 2: View south from the northern portion of the permit boundary.



Photo 3: View northwest of the partially revegetated City property. Clumps of trees and shrubs have been planted on this hillside, but grasses are struggling to grow.



Photo 4: Topsoil stockpiles are being excavated and utilized for road obliteration on USFS land.



Photo 5: The USFS has approved the rough, pocketed 'design' of the road for the purposes of obliteration.

Inspection Contact Address

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