



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: April 3, 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:	BOND AMOUNT: \$13,389,784.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Hunter Ridley	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 11, 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>NA</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. Jerry Schnabel (representing the Permittee, Riverbend Industries Inc.) and Stantec representatives Tim Culberson, Paul Kos, and Michaela Swain were present for the inspection. USFS representatives Julie Spawn and Madison Banks were also present for the inspection.

Surety Reduction (SR3) was approved by the Division on March 14, 2024. In accordance with Rule 4.17.2(5), the Division is required to wait thirty (30) days from this notice to allow for appeal of the Division's decision. If no appeal is submitted by the close of the appeal period, the Division's decision will be final. Final issuance of this revision will reduce the bond at Pikeview Quarry to \$6,805,607.00.

Records: Compaction testing records were reviewed back to March 13, the last date not available during the previous inspection. All test results reviewed in this period (March 13th to March 27th) demonstrated at least 90 percent compaction in compliance with the approved specification. No retests were required. No tests were completed on several of the days as no work was performed due to a power outage caused by severe weather conditions (March 15-20th). No data was collected on March 21st due to data corruption which occurred when transferring the Leica system over to a backup generator while main power was being restored. Mr. Schnabel discussed plans to have a backup generator remain onsite at the scale house should backup power be required again in the future.

Mr. Schnabel presented the Leica prism system data and trends for early April. Three of the 7400 series of prisms (7400-1, 7400-2, and 7400-3) continue to show vertical, downward movement. However, longitudinal movement was steady for these prisms and vertical movement trends continue to settle out as material on level 4 is continually compacted. In short, the curve of settling is flattening out. Mr. Culberson Mr. Schnabel explained that the site was planning additional compaction for this level using a D9 dozer. There is marked stability in prism data on levels above and below the 7400 series prism. The Division conducted a visual inspection of the 7400 series prisms and confirmed no tension cracks or signs of potential slide activity (Photo 1). Stantec will continue to monitor this prism series closely over the next month as the last of material is placed on the slopes. Should the movement of these prisms continue to flatten out over time, the Division has no major concern for slope stability. Prisms may remain post mine, but this will ultimately be up to the landowner after final release of the site.

Backfilling and Grading: Mr. Schnabel indicated that material was being taken from all borrow areas at the site; lower, shop and south (Photos 2 and 4). As little material as possible is being taken from the shop area to provide better topography in this area post mine and to avoid less quality material. Material from the various borrow areas is placed in an alternating pattern and mixed before grading. This ensures that compaction is optimal on benches. Subgrade contouring is complete on the lower bench and middle benches and growth media has been placed. All placed backfill continues to be tested for compaction in accordance with the approved specifications.

Roads: The uppermost road located just below the South Peak continues to deteriorate. Access is still fully blocked with safety berms (Photo 5). The South Peak area is planned to be blasted at the start of April and continue until the start of May. Traffic remains in a one-way pattern, with equipment maintaining two lengths behind all other vehicles. One way traffic will be maintained at the site for as long as possible but will eventually need to revert to a two-way pattern once topsoiling and revegetation efforts fully commence.

Explosives: The highwall on the "South Peak" area (Photo 5) has been approved to be blasted to achieve a

stable final slope. Drilling was complete at the time of inspection and blasts were scheduled to begin April 4th and continue until May.

Fish and Wildlife: No negative impact on wildlife was observed. Three young Bighorn sheep were noted to be grazing in the upper levels of the buttress (Photo 3).

Revegetation & Topsoil: The first bench of the buttress has been fully topsoiled and seeded. Topsoil has been placed on the bottom and middle benches but not yet trimmed to final grade. Topsoil was being hauled and placed in the far north end of the permit. Mr. Schnabel stated that a contractor has been secured for hydroseeding of the buttress, with a tentative schedule to be completed with seeding by early July. Site personnel has been working closely with the USFS to refine tree and shrub species and placement for final revegetation. Revegetation in the northern portion continues to be monitored throughout the off season. This includes the irrigated tree-planting system.

Hydrologic Balance:

As discussed in previous inspection reports, the current design of the North Ditch above level 4 will need to be amended to work around older 'Kiewit cliff' feature (Photo 5) and the 'big rock' feature, to direct water from the maintain seep towards the site's main drainage, and to work around the exposed large bedrock feature (named the "Dragon's Back") below level 4 (Photo 2). As of the date of this inspection, the Division has not yet received this revision request. A majority of the riprap used to construct these channels is already on site. Any remaining volume needed will be created through removal of portions of the 'Dragon's back' feature.

The remaining culvert that used to take the upper drainage flow below the upper access road to the North Ditch was being hauled off site to be recycled at the time of inspection. Recent heavy snowfall and consequential snowmelt has shown that french drains at the site are functioning well, and culverts are full and flowing free of blockages. This is a key feature of the reclaimed slope and imperative for efforts to mitigate any potential slides in the future.

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

- Monitoring of the 7400 prism series
- Redesign of the upper ditches
- Surety Reduction (SR3)
- Future changes to the site traffic patterns
- Future reduction of monthly inspection and report requirements

Photographs taken during the inspection and a site map outlining the current disturbance boundary 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: View SE of the lower and south borrow areas, taken from level 4.



Photo 2: View NE of the shop area, dragon's back, and north vegetated area.



Photo 3: Three young Bighorn Sheep were noted to be grazing near the upper buttress benches.



Photo 4: View north from the south borrow area, a topsoil pile is located in the foreground. The revegetated northern slope is visible in the foreground.



Photo 5: View west of the South Peak area, 'Big Rock' outcrop (south), and Kiewit Cliffs (north) feature.

Inspection Contact Address

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