



ERRS PROGRESS REPORT

Operational Period #6 – 11/14/22 – 11/20/22

DATE: 11/21/22

Report Prepared for: Marty McComb, OSC, USEPA Region 8

Report Prepared by: Rob Burton, RM, Environmental Restoration, LLC

Weather Conditions:

Precipitation: No precipitation during the week.

Comments: Weather was chilly in the mornings, low 20s to high-20s, with sunny and overcast skies and low 30s to high 30s during the day.

Work Hours:

Monday 0700 - 1730

Tuesday 0700 - 1730

Wednesday 0700 - 1730

Thursday 0700 – 1800

Friday 0700 - 1600

Saturday 0700 - 1630

Active Work Area(s): Work was performed at the Radon Mine removing waste rock from within the drainage; completing rock placement around the culvert; grading the impoundment pile; transporting riprap; placing riprap along the toe of the slope in the drainage; moving the staged topsoil material/placing it on the completed slopes, final grading, addressing punch list items and clean-up activities.

To date, 526 haul truck loads of material have been transported in the haul truck (46 this week). The quantity of material moved with just the excavator and bulldozer is undetermined.

Quantity of ER Personnel: 7

Crew Description(s): Response Manager – Rob Burton; Foreman/operator- Darren Williams; Operators- JM Cordova & D. Birkins; Truck Driver/operator- Gail Paige; Cleanup Technician/operator- Bryce Sikes; FCA- Damian Sanchez (off-site)

G. Paige demobilized for the Thanksgiving holiday on 11/19/22.



Equipment Utilized: ER Pick-ups (3), ER decon trailer, large excavator, haul truck, bulldozer, small excavator, water truck, water buffalo, generator, 3" pump, fuel tank, FCA rental vehicle, hammer hoe, front-end loader.

All the equipment was usable during this operational period.

Subcontractor Assignments: The hydroseed contractor mobilized their mulch to the site on Friday. Hydroseeding is anticipated for next week.

Problems Encountered/Resolved: The track came off of the skidsteer late in the day on Thursday.

When excavating out the toe of the waste rock slope at the upstream end, bedrock was not encountered as anticipated. The underlying material was all soft subsoil. To stabilize the slope and the material, riprap was placed in this area.

H&S Monitoring/Testing Performed:

Decontamination monitoring was performed using the EPA Ludlum device- all observations were below 300 c/min.

Ambient air was monitored using the EPA DustTrak DRX device. Daily TWA values fluctuated between 0.000 and 0.002 mg/m³. The maximum reading was 0.749 mg/m³.

Construction Photographs Taken: Photographs were sent to the OSC via email.

Summary of Tasks Performed:

- Monday 11/14/22
 - The area below the culvert channel and in the drainage was armored with large rocks. Two truck loads of rock were transported into the drainage.
 - Waste rocks was excavated from within the drainage. 14 truck loads were transported to the impoundment pile for placement.
 - Final grading of the impoundment pile commenced.
 - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
 - No water was brought to the site. Dust suppression was not necessary.
- Tuesday 11/15/22
 - Excavation of the waste rock from within the drainage continued. The sidewalls are being excavated to bedrock to at least 10' vertical from the low point of the drained. The haul truck moved 21 loads.
 - Riprap was loaded from the borrow area with the loader and transported to the culvert area with the haul truck.
 - Final grading of the impoundment pile continued.
 - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
 - No water was brought to the site. Dust suppression was not necessary.



- Wednesday 11/16/22
 - Excavation of the waste rock from within the drainage continued. The haul truck moved 4 loads.
 - Excess riprap that was staged in the drainage was moved to a staging area in anticipation of being used for the water bars.
 - Final grading of the impoundment pile continued.
 - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
 - No water was brought to the site. Dust suppression was not necessary.
- Thursday 11/17/22
 - The crew continued excavation from in the drainage and along the lower part of the ramp. The haul truck transported 7 loads of material.
 - Riprap was generated and placed. The haul truck transport 12 loads of rock.
 - Final grading of the impoundment pile continued.
 - The staged topsoil began to be placed over the final grade of the pile. It loaded into the haul truck with the loader, dumped in specific locations, and then was spread out relatively evenly with the skidsteer.
 - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
 - No water was brought to the site. Dust suppression was not necessary.
- Friday 11/18/22
 - The soft spot on the upstream section of the toe of the waste rock slope was reinforced with riprap. 10 loads of riprap were placed in this area.
 - Riprap was generated with the hammer hoe.
 - The staged topsoil was spread over the impoundment pile.
 - The crew off-loaded the pallets of hydromulch that were delivered to the site.
 - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
 - No water was brought to the site. Dust suppression was not necessary.
- Saturday 11/19/22
 - The soft spot on the upstream section of the toe of the waste rock slope was reinforced with riprap. 4 loads of riprap were placed in this area. This task was completed.
 - Riprap was generated with the hammer hoe and staged for use on the water bars.
 - Crew worked on final grading, punch list items, and clean-up over the site.
 - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
 - No water truck loads were brought to the site. Dust suppression was not needed.
- Sunday 11/20/22
 - Crew worked on final grading, punch list items, and clean-up over the site.
 - Some equipment and materials were transported to the Columbia Shaft.
 - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
 - No water truck loads were brought to the site. Dust suppression was not needed.

Safety Summary:

Daily toolbox safety meetings were held each morning before work commenced.



There were no safety issues or near misses of import during this operational period.

Signed: _____ **Date:** _____

Rob Burton, Response Manager
Environmental Restoration, LLC

Signed: _____ **Date:** _____

Marty McComb, Federal On-scene Coordinator
U.S. Environmental Protection Agency, Region 8