



## ERRS PROGRESS REPORT

### Operational Period #5 – 11/7/22 – 11/13/22

**DATE:** 11/14/22

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

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

#### **Weather Conditions:**

**Precipitation:** Active precipitation during site work on November 9<sup>th</sup> (Wednesday). The snow was still on-site and a minor hinderance to progress for two days.

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

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#### **Work Hours:**

Monday 0700 - 1730

Tuesday 0700 - 1730

Wednesday 0700 - 1730

Thursday 0700 – 1730

Friday 0700 - 1730

Saturday 0700 - 1730

**Active Work Area(s):** Work was performed at the Radon Mine along the middle and lower part of the waste rock slope. The ramp into the drainage was completed. Material from within the drainage was removed. The culvert was replaced and the outfall of the culvert was armored with riprap. Riprap was generated. Some riprap was transported into the drainage for staging.

To date, 480 haul truck loads of material have been transported in the haul truck (87 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)

**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.



The excavator with the hammer hoe was down for a few days until a technician as bale to repair it.

All other equipment was usable during this operational period.

**Subcontractor Assignments:** None

**Problems Encountered/Resolved:** Water was freezing in the water buffalo from the time it was loaded and the time it got to the site. Warming during the day was sufficient to melt the ice.

**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 0.001 mg/m<sup>3</sup>. The maximum reading was 0.229 mg/m<sup>3</sup>.

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

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**Summary of Tasks Performed:**

- Monday 11/7/22
  - The area around the culvert was excavated out to allow access.
  - The crew installed the new section of culvert.
  - The drainage channel below the culvert was shaped in with the excavator.
  - 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 11/8/22
  - The outfall of the culvert was brought to final grade. A section of 36mm RPP liner was installed below the culvert. Riprap was placed on the liner in the outfall below the culvert. 8 loads of riprap were used.
  - Excavation of the waste rock from the lower area continued. The haul truck moved 6 loads.
  - Riprap was loaded from the borrow area with the loader and transported to the culvert area with the haul truck.
  - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
  - One water truck load was brought to the site. Dust suppression was performed.
- Wednesday 11/9/22
  - Excavation of the waste rock from within the drainage continued. The haul truck moved 20 loads.
  - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
  - One water truck load was brought to the site. Dust suppression was performed.
- Thursday 11/10/22
  - The crew continued excavation from in the drainage. The haul truck transported 31 loads of material.



- Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
- One water truck load was brought to the site. Dust suppression was not needed due to the moisture in the ground.
- Friday 11/11/22
  - The crew continued excavation from the drainage as well as a few loads from the ramp. The haul truck transported 18 loads for placement and compaction.
  - Riprap was generated with the hammer hoe.
  - Riprap was transported to the drainage in the haul truck; 8 loads were transported.
  - Decontamination was monitored with the Ludlum device – no readings over 300 c/min.
  - One water truck load was brought to the site. Dust suppression was performed on the truck pathway.
- Saturday 11/12/22
  - Excavation of the waste rock from the bottom of the slope continued. 12 loads were loaded into the haul truck. Excavated material was placed in the designated area.
  - Work on the culvert channel was completed. Rock was placed on the liner and the remaining waste material was largely excavated out from around the lower area. The channel is either lined or over bedrock at this point.
  - Four loads of rock were transported into the drainage for placement.
  - 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