



## SITE REPORT

### Site work 10/09-20/2017

**DATE:** 10/24/17

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**Report Prepared for:** Duane Newell, OSC, USEPA Region 8

**Report Prepared by:** Matt Francis, RM, Environmental Restoration, LLC

**Weather Conditions:**

**Comments:** Weather was relatively mild throughout the reporting period.

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**Work Hours:** 0700 – 1730 with mild variations

**Quantity of ER Personnel:** 5-8

**Active Work Area(s):** Work was performed at the Jumbo Mine and surrounding area of private and USFS ownership

**Crew Description(s):** Response Manager – Matt Francis; Cost Accountant – Damian Sanchez ; Crew of 3-6 equipment operators and technicians

**Equipment Utilized:** Pick-up trucks; stake bed truck , dump truck, front end loader, mini excavator, skid steer, tool trailer

**Subcontractor Assignments:** Equipment and materials vendors

**Problems Encountered/Resolved:** Difficult terrain with icy spots managed by careful travel and use of ice spikes as necessary.

**Sampling/Documentation Performed:** START function

**Erosion/Sediment Control Issues:** Site drainage was designed to route precipitation into the limestone.

**Construction Photographs Taken:** Photographs taken by ERRS are included in this report. Additional photos are available at the OSCs request.

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**Summary of Tasks Performed:**

- Monday 10/09
  - Bad weather delayed planned mobilization of crew to Keystone
  - Equipment vendors dropped mini-excavator and skid steer as planned



- Tuesday 10/10
  - RM and crew arrived on site to review HASP and discuss SOW with OSC. Work began removing collapsed portion of cabin and setting up bypass system.
  - Approximately 30' of channel dug
- Wednesday 10/11 – Thursday 10/19
  - Completed approximately 362' of ditch underlaid with construction felt and 2 layers of 15ml poly liner and topped with 6"minus limestone
  - Installed two 20' culverts - one under private road and one under USFS road.
  - Installed catchment at toe of mine dump to receive water infiltrating waste rock and routing it to limestone ditch
  - Removed 50cy of trash and debris from top of mine dump. All trash was placed in rolloff containers bound for local dump
  - Installed 12' gate to close USFS road from vehicle traffic
  - Installed large rocks to block off USFS land from vehicle traffic
  - Removed seven camp fire rock rings from USFS land
  - Demobilized crew and equipment

**Disposal Summary:**

50 cy of trash and debris was removed and hauled to local landfill

**Materials Summary:**

- 80.46 Tons of 6" minus limestone
- 27.37 Tons of ¾" road base
- 12.25 Tons of pea gravel
- 1 roll of construction fabric
- 3 rolls of 15ml poly liner
- 1 12' gate
- 13 sacks of concrete
- 2 ADS 18" culverts, 20' ea
- 2 gate posts, 8" diameter 1/8" thick 8' length each
- 1 galvanized lock post 4" diameter 6'11" length

**Safety Summary:** The HASP was discussed with subcontractor and provided to the OSC. There were no safety issues or near misses of import on this project.

**Signed:**

**Date:**

Matt Francis, Response Manager







