

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

---

December 4<sup>th</sup>, 2018

TO: Internal File

THRU: Daron Haddock, Coal Program Manager

FROM: Steve Christensen, Environmental Scientist



RE: 2018 2<sup>nd</sup> Quarter Water Monitoring, Mountain Coal Company, Gordon Creek 2,7 & 8, C/007/0016, WQ18-2, Task ID #5753

The Gordon Creek 2,7 & 8 Mine has been reclaimed and received Phase II bond release on all but 1.63 acres on March 7<sup>th</sup>, 2007. The 1.63 acres contained a three-cell sediment pond which was reclaimed in October 2007. Water monitoring requirements for the period after Phase II bond release until final bond release are described in the MRP on page 7-56 and in Tables 7-17 and 7-18.

**1. Was data submitted for all of the MRP required sites?** YES  NO

The Permittee is not required to monitor any springs or wells at the Gordon Creek 2, 7 & 8 Mine. Monitoring for UPDES discharges is no longer required as the sediment ponds and mine portals have been reclaimed.

## Streams

The Permittee is required to monitor one intermittent stream (2-2-W) and three ephemeral stream sites (2-7-W, 2-8-W, 2-9-W) quarterly for flow, field measurements and laboratory parameters as outlined in Table 7-18 of the MRP.

Stream site 2-2W produced a measurable flow this quarter. The remaining three ephemeral sites did not.

**2. Were all required parameters reported for each site?** YES  NO

The required parameters were reported.

**3. Were any irregularities found in the data?** YES  NO

Surface water monitoring site 2-2W reported an elevated water temperature of 19 degrees C. The mean for the monitoring site is 6.59 degrees C (2.27 standard deviations from the mean temperature).

**4. On what date does the MRP require a five-year re-sampling of baseline water data.**

The MRP does not contain a commitment for re-sampling of baseline water data.

**5. Based on your review, what further actions, if any, do you recommend?**

None.