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WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

December 21, 2011

TO: Internal File

THRU: Steve Christensen, Permit Supervisor SKC

FROM: Amanda Daniels, Environmental Scientist II AD

SUBJECT: 2011 Second Quarter Water Monitoring, Mountain Coal Company, Gordon Creek 2, 7, & 8 Mine, C/007/0016, WQ11-2, Task ID 3838

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, 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.

This report was prepared from monitoring data queried from the UDOGM database. The data that support this report were collected and submitted to the database by the Permittee. The data were downloaded into file O:\007016.GC2\Water Quality\Data\GordonCreek278WQ.xls for this review.

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 on Table 7-18 of the MRP.

All stream sites had measurable flow ranging from 15 gpm to 1440 gpm.

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

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

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

The MRP does not require a five-year re-sampling of baseline water data.

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

None

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