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# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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June 24, 2013

TO: Internal File

THRU: Steve Christensen, Permit Supervisor *SC*

FROM: Amanda Daniels, Hydrologist *AD*

RE: 2013 Fourth Quarter Water Monitoring, Castle Gate Holding Company, Castle Gate Mine, C/007/0004, WQ12-4, Task ID #4213

The Castle Gate Mine is inactive and mostly reclaimed. The Castle Gate Holding Company (the Permittee) received Phase III bond release for 57.44 acres on October 18, 2012. The remaining acreage in the permit area consists of an adit known as Adit #1 (3 acres) and a former substation in Hardscrabble Canyon (1.84-acres). This remaining 5.56 acres is covered by a 226,600 performance bond.

Pertinent water monitoring requirement information is in the MRP in Sections 7.5-1 and 7.5-3, and table 7-16.

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

**Springs** –

*The Permittee is not required to monitor any springs at the Castle Gate Mine.*

**Streams** –

*The Permittee is required to sample four intermittent/ephemeral streams (B-11, B-12, B-28, B-45) for flow, and the laboratory parameters outlined in Table 7-16 each quarter.*

The Permittee monitored the intermittent/ephemeral streams on December 13, 2012. None of the locations had any measurable flow.

**Wells**–

*The Permittee is not required to monitor any wells at the Castle Gate Mine.*

**UPDES**–

*There are no active UPDES sites at the Castle Gate Mine.*

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

Not applicable

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

Not applicable

**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 at this time.