

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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August 19, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: Steve Fluke, Reclamation Hydrogeologist

RE: 2005 First Quarter Water Monitoring, Castle Gate Holding Company,  
Castle Gate Mine, C/007/0004-WQ05-1, Task ID #2311

**1. Was data submitted for all required monitoring sites?** YES [ X ] NO [ ]

The Castle Gate Mine is inactive mostly reclaimed and is awaiting appropriate conditions to apply for Phase II Bond Release. Water quality samples are to be collected and analyzed quarterly at four surface water monitoring sites located in Hardscrabble and Sowbelly Canyons. There are no UPDES sites remaining for the former mine. Water monitoring data is evaluated by the Division from the data that is submitted quarterly by the mine to the Division EDI database. The water monitoring plan is presented in Section 7.5-1, Surface Water Monitoring, of the mine's MRP (p. 7-57). Water quality parameters are outlined in Table 7-16 of the mine's MRP.

**Surface** *Sampling is required quarterly for four ephemeral stream monitoring sites (B-11, B-12, B-45, and B-28).*

No access was reported for all four ephemeral stream monitoring sites due to snow.

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

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

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

Not required. The permittee has applied for a Phase I bond release.

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

No further action is recommended.

**6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements?** YES [ ] NO [ X ]

**7. Follow-up from last quarter, if necessary. Did the Mine Operator submit or provide an explanation for missing and/or irregular data?**

No follow-up necessary.