

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

August 19, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: Steve Fluke, Reclamation Hydrogeologist

RE: 2004 Third Quarter Water Monitoring, Canyon Fuel Company, Gordon Creek 2, 7, & 8, C/007/0016-WQ04-3, Task ID #2305

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

The Gordon Creek 2, 7, & 8 Mine is inactive mostly reclaimed. The mine is awaiting appropriate conditions to apply for Phase II Bond Release. Until the mine receives Phase II Bond Release, water quality samples are to be collected and analyzed quarterly at seven surface water monitoring sites including one UPDES site at the sediment pond discharge. Water monitoring data is evaluated from the data that is submitted quarterly by the mine to the Division EDI database. The water monitoring plan is presented in Section 7.2.6, Water Monitoring – Until Phase II Bond Release, of the mine's MRP (p. 7-27). Water quality parameters are outlined in Table 7-18 of the mine's MRP.

Surface *Sampling is required quarterly for five ephemeral stream monitoring sites (2-7-W, 2-8-W, 2-9-W, 2-10-W, and 2-11-W) and one intermittent stream monitoring site (2-2 W).*

No flow was reported for all five ephemeral stream monitoring sites. All required data was submitted for the intermittent stream monitoring site 2-2 W.

UPDES *Sampling is required monthly for one active UPDES site (UTG040004-001).*

No flow was reported for the UPDES site.

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

Surface All required parameters were reported.

UPDES All required parameters were reported.

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

Surface 2-2-W – Dissolved oxygen measured in the field on August 19 was historically low at 4.5 mg/L. Three other field measurements this quarter were all within normal concentrations at 6 mg/L. It could be that the low reading was due to an improperly calibrated meter.

UPDES No flow.

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

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

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

Surface No further actions recommended.

UPDES 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 was necessary.