


# WATER QUALITY MEMORANDUM


Utah Coal Regulatory Program

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September 25, 2007

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor 

FROM: David Darby, Senior Reclamation Specialist 

RE: 2004 4th Quarter Water Monitoring, Hiawatha Coal Company (HCC), Hiawatha Mine, C/007/0011-WQ04-4, Task ID #2137

- 1. Was data submitted for all of the MRP required sites?** YES [ ] NO [X]  
*Identify sites not monitored and reason why, if known:*

Information for this report was evaluated from file 0:\007011.hia\Water Quality\Datacheck2004-2006 (1-2).xls. Hiawatha Coal Company has supplied a schedule for water monitoring and parameter reporting in the MRP. An update to the MRP on June 6, 2003 shows an updated monitoring plan on Table 7-14 and a schedule on Table 7-17.

**Springs** HCC monitors six springs at the minesite, SP-2, SP-4, SP-5, SP-11, SP-12 and SP-13. Operational sampling is established in the MRP as two times per year, for spring sites, in June and October. Samples are analyzed for parameters identified in Table 7-12.

No spring information was reported for October.

**Streams** HCC currently monitors field parameters of streams on a monthly basis from April through October, (Table 7-17). Water Quality samples are collected and analyzed for flows in April and September.

Complete water quality sampling was conducted in September, no stream information was reported for October.

**UPDES** There are 2 active UPDES sites at the Hiawatha Mine used to establish discharge quality. Eight other UPDES sites were part of the mining permit in the past, but were removed in August 1998 after the U.S. EPA notified HCC it would no longer like to receive copies of the discharge monitoring reports (DMR's). There has been no activity or discharges from the ponds, since they were built for total containment.

UPDES Site	Location
D001	Mohrland Portal
D002	Overflow at Hiawatha

The operator monitored the two UPDES sites, the Mohrland Portal and pipeling to Hiawatha. October data was not submitted. The only discharges were at sites D001 and D002. It is likely the Permittee has this information. It will be requested to update the database.

**Wells** YES  NO  N/A, No wells on site.

**2. Were all required parameters reported for each site?**

**Springs** YES  NO  October data was not submitted.

**Streams** YES  NO  October data was not submitted. November and December does not require monitoring.

**UPDES** YES  NO  October data was not submitted. The required parameters, other than flow, were not reported.

**Wells** YES  NO  N/A

**3. Were irregularities found in the data?**

**Springs** YES  NO . Section 2 mentioned missing monitoring samples. No other irregularities were found.

**Streams** YES  NO  Section 2 mentioned missing monitoring samples. No other irregularities were found.

**UPDES** YES  NO  Section 2 mentioned missing monitoring samples.

**Wells** YES  NO  N/A

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

Resampling due date July 2009

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

I have contacted the Operator to let them know there are missing data. The Operator is to check to see if missing data identified in Sections 1 and 2 are available to be entered into the database.

**Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements?  Yes  No**

A copy of the data file will be e-mailed to the Mine Operator and DOGM Mine Inspector identifying any missing and irregular data. If the data is available, the Mine Operator should submit it to the DOGM Inspector and Hydrologist, so it can be entered into the Coal Database.

**6. Follow-up from last quarter, if necessary.**

**Did the Mine Operator submit all the missing and/or irregular data (datum)?**

This report was delayed to facilitate the permit review process. The missing and irregular data will be tracked to ensure and the database is updated.