

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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September 26, 2007

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor 

FROM: David Darby, Senior Environmental Scientist 

RE: 2005 2<sup>nd</sup> Quarter Water Monitoring, Hiawatha Coal Company (HCC), Hiawatha Mine, C/007/0011-WQ05-2, Task ID #2394

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, Table 7-14, and parameter reporting, Table 7-17, in the MRP, updated on June 6, 2003.

The Hiawatha mine is considered to be in the operational phase. Coal fines are being extracted from the #1 tailings ponds and trucked to Bear Canyon where the fines are blended with the mined coal. There is currently no underground mining taking place at the Hiawatha Mine.

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

**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.

The operator reported no access for sites SP-11, SP-12, SP-13 and SP-5. Sites SP-2 and SP-3 were monitoring for flow and all required parameters.

**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 in April and September. Samples are analyzed for parameters identified in Table 7-16.

All streams sites were monitored during the quarter. Complete quarterly monitoring sample was conducted in April. Field parameters were monitored in May and June.

**UPDES** There are ten active UPDES sites at the Hiawatha Mine used to establish discharge quality. A permit amendment was submitted by HCC to add the eight sediment pond UPDES sites back into the permit area in March 2005. The 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. The operator now has committed to monitor UPDES sites monthly according to Table 7-17.

Pond No.	Location
D001	Mohrland Portal
D002	Overflow at Hiawatha
D003	Upper Coal Storage Yard
D004	North of Slurry Pond No. 1
D005	East of Slurry Pond No. 4
D006	North East of Slurry Pond No. 5
D007	South East of Slurry Pond No. 5
D008	Middle Fork Mine Yard
D009	South Fork Mine Yard
D011	South Fork Truck Loading Facility

The operator monitored all required UPDES sites and submitted all second quarter. The only discharges were at sites D001 and D002.

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

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

**Springs** YES [ ] NO [X] As discussed in Section 1.

**Streams** YES [ ] NO [X] The operator did not report total Fe in the quarterly monitoring.

**UPDES** YES [ ] NO [X] HCC did not submit some of the water quality parameters for sites 001 and 002 for the quarter. All other sites were reported as no flow. It is likely HCC has the information, since it is reported to DEQ. The operator will be asked to submit this information.

**Wells** YES [ ] NO [ ] N/A

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

**Springs**      YES  NO       Only as mentioned in Section 1 for access. The operator needs to provide information showing they made attempts to gain access.

**Streams**      YES  NO       None, other than mentioned in Section 2.

**UPDES**        YES  NO       As mentioned in Section 2.

**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?**

The operator will be asked to supply Fe value for stream sites. UPDES information will be requested from the operator to update the database.

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

The operator needs to submit corrected information as mentioned above and from the last quarter.

**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.