

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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May 25, 2007

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TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: David Darby, Senior Environmental Scientist *DD*

RE: 2006 1st Quarter Water Monitoring, Hiawatha Coal Company (HCC), Hiawatha Mine, C/007/0011-WQ06-1, Task ID #2569

Information for this report was evaluated from file 0:\007011.hia\Water Quality\Datacheck2005(3)-2007(1).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 [X] NO [ ]  
*Identify sites not monitored and reason why, if known:*

**Springs** HCC monitors six springs at the minesite, SP-2, SP-3, SP-3, 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.

**Springs are not required to be monitored for the 1<sup>st</sup> quarter.**

**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.

**Streams are not required to be monitored for the 1<sup>st</sup> quarter..**

**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. HCC started monitoring in January 2004. 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 will 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 UPDES sites and submitted all 1st quarter data/information. 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 [X] NO [ ]

**Streams** YES [X] NO [ ]

**UPDES** YES [X] NO [ ]

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

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

**Springs**      YES [ ] NO [X].  
**Streams**      YES [ ] NO [X]  
**UPDES**        YES [ ] NO [X]  
**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?**

None.

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

**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.

A table of the data was e-mailed to the operator on May 24, 2007 to let him know there were some irregularities with 4<sup>th</sup> quarter stream data. It appears that some of the data were entered with the decimal point in the wrong place. Instructions to the operator were to correct the data and resubmit it, so the Division could enter it properly into the database.