

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

May 28, 2007

TO: Internal File

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

FROM: David Darby, Senior Environmental Scientist *[Signature]*

RE: 2006 4th Quarter Water Monitoring, Hiawatha Coal Company (HCC), Hiawatha Mine, C/007/0011-WQ06-4, Task ID #2782

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 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.

All spring sites were monitored according schedule.

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 according to schedule.

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 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 UPDES sites and submitted all 4th 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 []

High flow data does indicate that a storm occurred prior to monitoring.

UPDES YES [X] NO []

Wells YES [] NO [] N/A

3. Were irregularities found in the data?

Springs YES NO At Site SP-13 some of the parameters of the major ions D-Na, SO₄, D-Ca, D-Mg, Total Hardness and TDS were greatly higher than normal. However the cation/anion balance for the sample was within 0.2 of each other.

Streams YES NO

UPDES YES NO

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?

A copy of Table Datacheck2005(3)-2007 has been sent to the Permittee. The values considered high for Sp-13 were highlighted. The Permittee was asked to check this information to make sure the values are correct.

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

The Operator should respond with updated information after checking spring data.

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

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

A table of the data was e-mailed to the operator on May 24, 2007 to let him know there were some irregularities with 3rd quarter stream data.