

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 7, 2008

TO: Internal File

THRU: James D. Smith, Permit Supervisor *JDS 10/7/08*

FROM: David Darby, Senior Environmental Scientist *DD*

RE: 2008 2nd Quarter Water Monitoring, Hiawatha Coal Company (HCC), Hiawatha Mine, C/007/0011-WQ08-2, Task ID ##2782

Information for this report was evaluated from file 0:\007011.hia\Water Quality\Datacheck2007-2008(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 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.

All springs were monitored.

Streams HCC currently monitors field parameters of streams on a monthly basis from April through October, (Table 7-16). Water Quality samples are collected and analyzed for flows in April and September.

All streams were monitored.

UPDES There are ten active UPDES sites at the Hiawatha Mine used to establish discharge quality. Only two sites have yielded flow. The UPDES sites D003 through D011 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). The sites were activated again in April 2005 (Appendix VII-5). 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 7-13.

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 2nd 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 [] NO [X] According to Table 7-13, complete water quality samples were not submitted for sites D001 and D002. Total suspended solids, total dissolved solids, total iron, pH and oil/grease were not reported.

Wells YES [] NO [] N/A

3. Were irregularities found in the data?

Springs YES [] NO [X].

Streams YES [] NO [X]

UPDES YES [X] NO [] As mentioned above some parameters were not reported for D001 and D002 during the 2nd quarter. I called Mark Reynolds about the missing data. He mentioned the person did not get the data reported. He said he would email all the information they had for the sites, because they have the analyses done for DEQ. I made Mark aware of this situation so future monitoring and reporting is complete.

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 will look at the information Mark sends and evaluate if any action is needed. HCC has a lot of data on these sites.

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

As mentioned, Mark Reynolds will submit all monitoring data collected for Sites D001 and D002 that is collected for DEQ by October 30, 2008.

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

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

No information was missing.