

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

April 14, 2009

TO: Internal File

THRU: Jim Smith, Permit Supervisor *JS 04/16/09*

FROM: April A. Abate, Environmental Scientist II *AA 4.16.2009*

RE: 2007 4th Quarter Water Monitoring, Hiawatha Coal Company (HCC), Hiawatha Mine, C/007/0011-WQ07-4 Task #3129

Hiawatha Coal Company has supplied schedules for water monitoring and parameter reporting in Tables 7-12 through 7-17, in the MRP, updated on June 6, 2003. The Hiawatha Mine is currently not producing coal and no underground mining is currently taking place.

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.

All six springs were monitored during this quarter.

Streams HCC monitors 10 stream locations at/near the mine site, ST-1, ST-2, ST-2B, ST-3, ST-3A, ST-3B, ST-4, ST-4A, ST-4B, and ST-5. HCC conducts operational sampling at stream locations in April and September. Field parameters are collected during the months of May, June, July, August and October (Table 7-16).

All streams were monitored for field parameters in October of the fourth quarter.

UPDES There are a total of 13 UPDES sample locations listed in Permit #UT0023094 for the Hiawatha Mine used to establish discharge quality. UPDES locations are monitored monthly according to Table 7-13. The current UPDES permit is due to expire on September 30, 2009. All UPDES sample locations are outlined below:

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

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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
D012	Mohrland Pipeline Drain
D013	King 6 Water Tank Overflow

All UPDES sample locations were monitored this quarter; except D012 and D013. The operator was made aware of this deficiency in D012 and D013 and has subsequently begun monitoring these locations beginning in July 2008.

2. Were all required parameters reported for each site?

Springs YES NO

Streams YES NO

Dissolved oxygen readings were not collected for samples ST-3 and ST-5.

UPDES YES NO

3. Were irregularities found in the data?

Springs YES NO

Streams YES NO

UPDES YES NO

Conductivity measured lower than average for UPDES sample D001, the Mohrland Pipe Portal at 550 umhos/cm. Average conductivity rates from this sample are approximately 935 umhos/cm. The flow rate measured from UPDES sample D002 representing the overflow at Hiawatha on November 1, 2008 was reported at 609 gallons per minute (gpm). The average flow rate from this sample point is approximately 112 gpm.

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?

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The Division is attempting to catch up on water quality reporting for previous quarters. No actions are recommended at this time.

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

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

NONE

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