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WATER QUALITY MEMORANDUM
Utah Coal Regulatory Program

March 30, 2011

TO: Internal File

THRU: James D. Smith, Permit Supervisor   *JS 30Mar11*

FROM: April A. Abate, Environmental Scientist III   *aaa 3-30-2011*

RE: <u>2010 3rd Quarter Water Monitoring, Hiawatha Coal Company (HCC), Hiawatha
            Mine, C/007/0011, Task #3630</u>

    HCC has supplied schedules for water monitoring and parameter reporting in Tables 7-12 through 7-17, in the Mining and Reclamation Plan (MRP), updated on June 6, 2003. Water monitoring locations can be found on Plates 7-1 and 7-2 in the Hiawatha MRP.

    The Hiawatha Mine is currently in temporary cessation. There is currently no underground mining taking place. Coal fines are no longer mined from Slurry Pond blended with fines from the Bear Canyon mine since the Bear Canyon mine has ceased operations.

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-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. Springs were not required to be sampled during the 3rd quarter of 2010.

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 currently monitors field parameters of streams on a monthly basis from April through October, (Table 7-16). Operational parameters were collected in September 2010. Neither field nor operational parameters were collected at the following stream sites, as required by the MRP:

STREAMS
ST-2
ST-2B
ST-3A
ST-3B
ST-4A

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 quarterly according to permit. The UPDES locations D003 through D013 listed in the current UPDES permit typically do not discharge. The current permit is due to expire in December 2014. 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
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
D010	King Mine 4 Discharge
D011	South Fork Truck Loading Facility
D012	Mohrland Pipeline Drain
D013	King 6 Water Tank Overflow

During the third quarter of 2010, locations D003 through D013 did not report any flow data. Monthly data from UPDES locations D001 and D002 were reported this quarter.

2. Were all required parameters reported for each site?

Springs YES ☐ NO ☐

Not applicable since none of the springs were sampled this quarter.

Streams YES ☒ NO ☐

UPDES   YES ☒   NO ☐

3.   Were irregularities found in the data?

Springs   YES ☐   NO ☐

    Not applicable

Streams   YES ☐   NO ☒

UPDES   YES ☐   NO ☒

4.   On what date does the MRP require a five-year resampling of baseline water data.

    No baseline sampling obligations are stipulated in the Hiawatha MRP.

5.   Based on your review, what further actions, if any, do you recommend?

    The Permittee claims that the above-noted spring and stream samples were not collected because Right-of-Entry access issues are no longer available to HCC. The Division is working to resolve this issue.

6.   Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements?

    If the Permittee intends to modify their water monitoring plan, then an amendment should be submitted along with any associated maps if changes are proposed.

7.   Follow-up from last quarter, if necessary.
    None

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