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WATER QUALITY MEMORANDUM Utah Coal Regulatory Program

March 28, 2011

TO: Internal File

THRU: Daron Haddock, Permit Supervisor *DDH*

FROM: James D. Smith, Environmental Scientist *JS 29Mar11*

RE: 2009 First Quarter Water Monitoring, Canyon Fuel Company, LLC, SUFCO Mine, C/041/0002, Task ID #3250

The SUFCO Mine is an operating longwall mine. Current operations are in the Quitchupah and Muddy Tracts. Water monitoring requirements can be found in Section 7.3.1.2 of the MRP, especially Tables 7-2, 7-3, 7-4, 7-5, and 7-5A. Page 7-48 contains the important statement that (non Box-Canyon, non-UPDES) "monitoring sites are sampled three times per year," meaning the second, third, and fourth quarters for springs, streams and wells. UPDES sampling points are the only points monitored during the first quarter.

1. Were data submitted for all of the MRP required sites? YES NO

Springs

The MRP requires the Permittee to monitor springs during the second, third, and fourth quarter as per Table 7-2. Some require full laboratory analysis according to Table 7-4, while others simply require field measurements.

No spring locations are monitored during the 1st quarter of 2009.

Streams

The MRP requires the Permittee to monitor streams during the second, third and fourth quarter as per Table 7-2.

No stream locations are monitored during the 1st quarter of 2009.

Wells

The MRP requires the Permittee to monitor water levels for 4 wells during the second, third and fourth quarter.

No wells are gauged during the first quarter of 2009.

Additional wells not listed in the MRP but associated with the waste rock disposal site are included in the database: WRDS-B3, WRDS-B5, WRDS-B6, WRDS-B8, and WRDS-B9. None of these wells are monitored during the first quarter.

UPDES

The UPDES Permit/MRP require bi-weekly monitoring of 3 outfalls: 001, mine water discharge to Spring Canyon; 002, sedimentation pond discharge to Spring Canyon; and 003A, the mine water discharge to the North Fork of Quitcupah Creek.

The Permittee monitored bi-weekly for all required sample sites for each UPDES site listed in the permit. Outfall 001 reported no flow this quarter.

2. Were all required parameters reported for each site? YES NO
3. Were any irregularities found in the data? YES NO
4. On what date does the MRP require a five-year re-sampling of baseline water data.
There is no commitment in the MRP to resample for baseline parameters.
5. Based on your review, what further actions, if any, do you recommend?
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. NA
8. Did the Mine Operator respond adequately to queries about missing or irregular data? YES NO NA

There were no missing or irregular data.