

WATER QUALITY MEMORANDUM

UTAH COAL REGULATORY PROGRAM

July 27, 2009

TO: Internal File

FROM: April A. Abate, Environmental Scientist II (SBC-9A)
7-27-2009

THRU: James D. Smith, Permit Supervisor DS 7/27/09

SUBJECT: 2009 First Quarter Water Monitoring, CW Mining Company, Bear Canyon Mine, C/015/0025, Task ID # 3248

The monitoring plan is described on pages 7-48 through 7-60A of the MRP. It includes Tables 7-12 through 7-17.

1. Were data submitted for all of the MRP required sites?

In-mine YES NO

SBC-9A was sampled and requires operational sampling during the first quarter.

Sample 16-8-8-10 was not sampled this quarter and not required to be sampled until July 2009.

Springs YES NO

Streams YES NO

UPDES YES NO

2. Were all required parameters reported for each site?

In-mine YES NO

Springs YES NO

Streams YES NO

UPDES YES NO

Not applicable. None of the UPDES data reported showed any discharges during the 4th Quarter 2008.

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations. An asterisk (*) indicates the parameter is not required.

In-mine YES NO

Springs YES NO

Spring samples SBC-14 had two parameters that were outside of two standard deviations. Bicarbonate, dissolved magnesium, total alkalinity and hardness were reported outside of two standard deviations. However in comparing these values to previous data from this sample. These results appear to all be lower than what has been reported previously.

Streams YES NO

Samples BC-3 and BC-4 were reported as not flowing during the 1st quarter of 2009.

Dissolved sodium was reported at a higher than normal concentration in BC-1. BC-2 was also reported higher than usual concentrations for sodium, magnesium, and potassium. These elevated concentrations of salts could be attributed to runoff from the winter salting of the roads.

UPDES YES NO

Not applicable. None of the UPDES collection points reported any flow during the 1st quarter of 2009.

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

Baseline parameters are to be taken in August of year 5 prior to each permit renewal (Table 7.14). The next permit renewal date is November 02, 2010, so the baseline analyses should be done on samples collected in August 2010.

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

None

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

8. Did the Mine Operator submit all the missing and/or irregular data? YES NO

Not applicable this quarter.