

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

July 13, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2005 First Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, C/015/0025, Task ID #2269

The monitoring plan is described in Section 7.2.5, including Tables 7.1-6, 7.1-7, 7.1-8, 7.1-9, 7.2-4, and 7.2-5 of the MRP.

1. Were data submitted for all required sites?

Springs YES NO

Streams YES NO

Wells YES NO

No wells are monitored in the 1st quarter.

UPDES YES NO

In-mine YES NO

SBC-11 has not been not accessible since early January 2003 because of a roof fall in the Hiawatha workings of Mine #1. SBC-9A replaced SBC-11 for monitoring water in this section of the #1 Mine; however, additional roof falls made Mine #1, including SBC-9A, inaccessible. The pipe that carries the water out of the mine to the culinary water supply is now the location for water quality and quantity monitoring, and SBC-9A has been retained as the name for this sampling site.

2. Were all required parameters reported for each site?

DMR parameters that are not included in the operational parameter lists in the MRP - such as sanitary wastes, visible foam, and floating solids - are not reported in the electronic submittal to the Division. Operational monitoring values are reported for UPDES flow, TDS, TSS, pH, and total iron.

Springs	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Streams	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Wells	YES <input type="checkbox"/> NO <input type="checkbox"/>

No wells are monitored in the 1st quarter.

UPDES	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
In-mine	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

3. Were irregularities found in the data?

Springs	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Streams	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Wells	YES <input type="checkbox"/> NO <input type="checkbox"/>

No wells are monitored in the 1st quarter.

UPDES	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
In-mine	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

SBC9A: water temperature (n = 9) was outside two standard deviations.

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 7.1-8). Baseline parameters were measured August 2000 and included with the Third

Quarter 2000 data submittal. Next baseline analysis will be in August 2005.

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 (datum)?

NA