

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 7, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2005 Second Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, C/015/0025, Task ID #2301

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 of the MRP required sites?

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.

Springs YES NO

SBC4: The Permittee reported that the spring box was locked and the key wouldn't open it.

Streams YES NO

UPDES YES NO

There was no discharge from any of the UPDES permitted sites during the second quarter.

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.

Wells YES NO

2. Were all required parameters reported for each site?

In-mine YES NO

Springs YES NO

SBC4: The Permittee reported that the spring box was locked and the key wouldn't open it.

Streams YES NO

UPDES YES NO

Wells YES NO

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations: "n" is the number of values used to calculate the standard deviation in the Division's database. An asterisk (*) indicates this is not a parameter required by the MRP.

In-mine YES NO

Springs YES NO

SBC-14 Na (n = 18)

SBC-3 Cl (n = 55)

Streams SMH-2 water temperature (n = 39) and field conductivity (n = 38)
 YES NO

