

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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March 29, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2005 Fourth Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, C/015/0025, Task ID #2457

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

**Streams** YES  NO

**UPDES** YES  NO

There was no discharge from any of the UPDES permitted sites during the fourth 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

**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-4 October: Na (n = 44), total alkalinity\* (n = 78), and TDS (n = 119).

SBC-5 October: Mg (n = 48) and total anions\* (n = 70)

SBC-9A November: Zn (n = 6).

SBC-14 October: field conductivity (n = 32).

SBC-17 October: field specific conductivity (n = 18) and Cl (n = 19).

SMH-4 October: field specific conductivity (n = 18).

**Streams** YES  NO

