

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

January 20, 2005

TO: Internal File

THRU: Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Senior Reclamation Specialist

RE: 2004 Third Quarter Water Monitoring, Energy West Mining Company, Trail Mountain Mine, C/015/0009, Task ID # 2021

1. Were data submitted for all of the MRP required sites? YES NO
Identify sites not monitored and reason why, if known:

2. On what date does the MRP require a five-year resampling of baseline water data?
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling Due Date

Renewal submittal due 10/21/04, renewal due 02/21/05. Baseline analyses were performed in 1996, 2001 and will be repeated every 5 years, i.e., next baseline analyses will be in 2006.

3. Were all required parameters reported for each site? YES NO
Comments, including identity of monitoring site:

SW2: no operational water quality parameters were reported because the water sample was lost.

4. Were irregularities found in the data? YES [X] NO []

Comments, including identity of monitoring site:

18-3-1: field conductivity (n = 55), Ca (n = 30),Mg (n = 30), K (n = 29), sulfate (n = 57), total alkalinity (n =55), total hardness (n = 57), lab specific conductivity* (n = 55), TDS (n = 57), total cations* (n =53), and total anions* (n = 53) were outside the two standard deviation range.

SW-3: K (n = 21) was outside the two standard deviation range.

TM-1B: depth reported for this piezometer for September was outside the two standard deviation range because the depth was measured in feet but entered into database in meters; Dennis Oakley confirmed this and it has been corrected in the database.

TM-3: depths reported for this piezometer for the third quarter were was outside the two standard deviation range because elevation was reported as depth; Dennis Oakley confirmed this and it has been corrected in the database. Water level in this piezometer has been recovering since Trail Mountain Mine operations ceased, and a well cap and pressure gauge were installed August 2003 because water was approaching the top of the casing: "no artesian pressure" was reported in April and "dry" for May and June, but values were reported for the 3rd quarter 2004 (see chart below).

* not a required parameter

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []

2nd month, YES [X] NO []

Identify sites and months not monitored:

3rd month, YES [X] NO []

DMRs were submitted in electronic format (Adobe). There was no discharge from either UPDES point during the third quarter. The mine was sealed in June 2001 and there has been no reported discharge at UPDES UT23728-002 (the mine-water discharge into Cottonwood Creek) since May 2001.

6. Were all required DMR parameters reported? YES [X] NO []

Comments, including identity of monitoring site:

There was no discharge from either UPDES point during the third quarter.

7. Were irregularities found in the DMR data? YES [] NO [X]
Comments, including identity of monitoring site:

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

There is no further action recommended at this time.

