

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

January 16, 2004

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Senior Reclamation Specialist

RE: 2003 Third Quarter Water Monitoring, Energy West Mining Company, Trail Mountain Mine, C/015/009-WQ03-3, Task ID #1736

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:

4. Were irregularities found in the data? YES NO

Comments, including identity of monitoring site:

TM-3: artesian pressure in this well has dropped too low to be measured with a gauge. If, in the near future, the piezometric surface does not recover so that it can be measured by the gauge, the gauge will need to be removed and water-level measurement done with a tape or probe.

T-19 (18-3-1): field conductivity (n = 51), Ca (n = 26), Mg (n = 26), K (n = 25), sulfate (n = 53), total hardness (n = 53), lab conductivity (n = 51; not a required parameter), TDS (n = 53), total anions (n = 49; not a required parameter), and total cations (n = 49; not a required parameter) were outside the two standard deviation range;

SW-2 June: SO₄ (n = 117) was outside the two standard deviation range (see the attached chart). The Permittee has identified the UPDES discharge from the Cottonwood/Wilberg Mine through the Trail Mountain Access Tunnel (TMA) as the source of the sulfate: prior to July 2001 this water discharged from the Trail Mountain Mine portals in Grimes Wash.;

5. Were DMR forms submitted for all required sites?

1st month, YES NO

2nd month, YES NO

Identify sites and months not monitored:

3rd month, YES NO

DMRs have been submitted in electronic format (Adobe) for all three months.

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 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

Comments, including identity of monitoring site:

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

TM-3: artesian pressure in this well has dropped too low to be measured with a gauge. If, in the near future, the piezometric surface does not recover so that it can be measured by the gauge, the gauge will need to be removed and water-level measurement done with a tape or probe.

