

April 8, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Senior Reclamation Specialist

RE: 2002 First Quarter Water Monitoring, Energy West Mining Company, Deer Creek Mine, C/015/018-WQ02-1

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

The Division has not received the following data for the first quarter of 2002:

	<u>January</u>	<u>February</u>	<u>March</u>
MHC01			Operational
UPDES UT-23604-001		Operational	
UPDES UT-23604-002		Operational	
NEWUA Meter 3	Flow		

Flow at HCC01 is measured daily by Utah Power and reported by PacifiCorp in the Annual Report.

- 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 10/07/00, renewal due 2/07/01. Baseline analyses were performed in 1996 and 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 [X] NO []
Comments, including identity of monitoring site:

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

DCWR1: depth (n = 50) was outside the two standard deviation range; this appears to be a data-entry error;

MAIN N MAIN E: total hardness (n = 38) and sulfate (n = 38) were outside the two standard deviation range;

NEWUA METER-2: water temperature (n = 26) and field pH (n = 24) were outside the two standard deviation range;

NEWUA METER-3: Ca (n = 15), Mg (n = 15), field conductivity (n = 25), sulfate (n = 28), TDS (n = 28), were outside the two standard deviation range;

RCF3: sulfate (n = 40) was outside the two standard deviation range;

UPDES UT0023604-001– January: Mg (n = 65) was outside the two standard deviation range;

UPDES UT0023604-001 - March: Mg (n = 65) was outside the two standard deviation range;

DCP-1: DCP-1: elevation has been incorrectly reported as depth..

5. Were DMR forms submitted for all required sites?
Identify sites and months not monitored:

1 st month,	YES [X]	NO []
2 nd month,	YES [X]	NO []
3 rd month,	YES [X]	NO []

6. Were all required DMR parameters reported? YES [X] NO []
Comments, including identity of monitoring site:

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?

The Permittee needs to provide missing data for MHC01, UPDES UT-23604-001, UPDES UT-23604-002, and NEWUA Meter 3;

Numerous values were outside the two standard deviation range. None of the values are extreme. Recommended action is to watch for trends;

The reason incorrect depths are being entered at DCWR1 needs to be identified and corrected;

Water elevation at DCP-1 needs to be entered as “water elevation”, not “depth”;

DMR TDS Quarter Average, a parameter required for UT0023604-002, needs to be added to the APPX database.