



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

July 19, 2000

TO: Internal File
THRU: Daron R. Haddock, Permit Supervisor *NRH*
FROM: James D. Smith, Senior Reclamation Specialist *JDS*
RE: 1999 Fourth Quarter Water Monitoring, Energy West Mining Company, Deer Creek Mine, ACT/015/018

1. Were data submitted for all of the MRP required sites? YES [] NO [X]

Identify sites not monitored and reason why, if known:

DCR-01, MHC-01, MFA2, RCF1, RCW4: frozen.
MFA1, RCLF1, RCLF2, RCF2: dry

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 will be repeated every 5 years, i.e., next baseline analyses will be in 2001.

3. Were all required parameters reported for each site? YES [] NO [X]

Comments, including identity of monitoring site:

DCR-04, -06: DO missing;

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

Comments, including identity of monitoring site:

UPDES UT-0023604-001 (Oct. 20): bicarbonate outside two standard deviation range;

UPDES UT-0023604-001 (Dec. 8): Ca outside two standard deviation range;
 HCC02: total alkalinity, Ca, Mg, and Na outside two standard deviation range;
 HCC04: Mg and Na outside two standard deviation range;
 RCF3: Na outside two standard deviation range;
 Spring 79-28: Na outside two standard deviation range;
 Spring 79-29: field pH outside two standard deviation range;
 Spring 80-48: Na outside two standard deviation range;
 Spring 80-50: TDS outside two standard deviation range;
 Spring 82-51: total alkalinity, conductivity, and K outside two standard deviation range;
 Spring 82-52: dissolved Mg outside two standard deviation range;
 Spring 89-60: Na outside two standard deviation range.

5. Were DMR forms submitted for all required sites?

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

Identify sites and months not monitored:

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 [X] NO []

Comments, including identity of monitoring site:

UPDES UT-0023604-001: TSS - 30 day average outside two standard deviation range.

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

Several values were outside the two standard deviation range: some were lower than would be expected and none of them appear to be a cause for concern. Recommended action is to watch for trends in these parameters.

sm

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