



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

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July 21, 2000

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor *DRH*

FROM: James D. Smith, Senior Reclamation Specialist *JDS*

RE: 2000 First Quarter Water Monitoring, PacifiCorp, Deer Creek Mine,  
ACT/015/018

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

The East Mountain springs are not monitored during the first quarter.

DCR-01, MHC-01, MFA1, MFB2, RCF1, RCLF1, RCLF2, RCF2, RCF3: dry, inaccessible, or frozen;

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 (January 11): Ca and TSS outside two standard deviation range;

UPDES UT-0023604-001 (February 11): Ca outside two standard deviation range;

UPDES UT-0023604-001 (March 7): Ca, Cl, Na, TDS, total hardness, total anions, and total cations outside two standard deviation range, but only Ca exceeded the maximum in the APPX database;

HCC02: specific conductivity (field) outside two standard deviation range and exceeded the maximum in the APPX database;

DCR04: Mg outside two standard deviation range;

HCC01: Na outside two standard deviation range;

HCC02: Na outside two standard deviation range;

Main North - Main East: Sulfate and specific conductivity (lab) outside two standard deviation range and both exceed the maximum in the APPX database;

**5. Were DMR forms submitted for all required sites?**

1<sup>st</sup> month, YES [ ] NO [ X ]

2<sup>nd</sup> month, YES [ X ] NO [ ]

3<sup>rd</sup> month, YES [ X ] NO [ ]

*Identify sites and months not monitored:*

January DMRs missing for both monitoring sites.

**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:*

UT002364-001: TSS was not determined during February: Energy West sampled for settleable solids as the result of a <10 year, 24 hour storm, but, as stated in Part I.D.3 of

the UPDES permit, TSS should have been determined also;

UT002364-001: daily maximum and 30 day average TDS for March were outside the two standard deviation range, but they did not exceed the maxima in the APPX database;

UT002364-001: TDS loading in March exceeded the UPDES permit limit.

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

Several values were outside the two standard deviation range: a few exceeded maxima in the APPX database. Recommended action is to watch for trends in these parameters.

sm  
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