



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

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July 20, 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, Cottonwood / Wilberg Mine, ACT/015/019

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

GWR01: dry  
GRW02: 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 3/06/04, renewal due 7/06/04. 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 [ X ] NO [ ]  
*Comments, including identity of monitoring site:*

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

WCWR1: Ca outside two standard deviation range;

GWR03: Na, Cl, TDS, specific conductivity - field, specific conductivity - lab, total

anions, and total cations are outside two standard deviation range, although only Na (1,870 mg/L) exceeds the maximum value (402 mg/L) recorded 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 all five monitoring sites.

**6. Were all required DMR parameters reported?**

YES [ ] NO [ X ]

*Comments, including identity of monitoring site:*

UTG0022896-002, -004, and -005: no discharge all three months.

UTG0022896-001: intermittent discharge, no samples taken in March.

**7. Were irregularities found in the DMR data?**

YES [ X ] NO [ ]

*Comments, including identity of monitoring site:*

UTG0022896-003: 30 day average TDS outside two standard deviation range;

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

No action necessary: several values were outside the two standard deviation range but this does not appear to be cause for concern.