

April 7, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Senior Reclamation Specialist

RE: 2002 First Quarter Water Monitoring, PacifiCorp, Cottonwood / Wilberg Mine, C/015/019-WQ02-1

The mine was sealed May 10, 2001, so in-mine monitoring sites TMA @ 32 and 2ndS XC-11 are no longer accessible. No flow was reported for most sites during the first quarter. There was no discharge at UPDES UT23728-002, -003, -004, or -005, during the first quarter.

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

UTG0022896-001 - February: monthly operational monitoring results have not been received by the Division.

UTG0022896-002 - January: monthly operational monitoring results have not been received by the Division (no discharge).

**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 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:*

CCC1: field conductivity (n = 78) was outside the two standard deviation range.

WCWR1: depth (n = 45) was outside the two standard deviation range.

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

1<sup>st</sup> month, YES [X] NO [ ]  
2<sup>nd</sup> month, YES [X] NO [ ]  
3<sup>rd</sup> month, YES [X] NO [ ]

*Identify sites and months not monitored:*

The portals where UTG0022896-001 was previously located were sealed on April 10, 2001 and the UPDES monitoring point was moved from Grimes Wash to Cottonwood Canyon in July 2001. Reports for 1<sup>st</sup> quarter 2002 are for the new location. Quarterly monitoring for chronic toxicity, using Ceriodaphnia and Flathead Minnow as indicators, was added to the parameters - for this station only - when the permit was revised to incorporate this change.

DMR values are not in the database.

**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?**

UTG0022896-001 – February and UTG0022896-002 – January monthly operational monitoring results need to be submitted to the Division.

DMR values need to be entered into the database.

Water levels being reported at WCWR1 are inconsistent: either water level is varying dramatically or there are data-entry errors.