

August 18, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2003 First Quarter Water Monitoring, PacifiCorp, Cottonwood / Wilberg Mine, C/015/019-WQ03-1, Task ID #688

The mine was sealed May 10, 2001, so in-mine monitoring sites TMA @ 32 and 2ndS XC-11 are no longer accessible.

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

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:

GWR-03: total hardness (n = 74) was outside the two standard deviation range;

UPDES 22896-001 (WMD-01) January and February: field pH (n = 185) was outside the two standard deviation range.

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []

2nd month, YES [X] NO []

Identify sites and months not monitored:

3rd month, YES [X] NO []

The pond at the Cottonwood Fan Portal was reclaimed in 2002 and UPDES 22896-002 is no longer reported.

DMRs were submitted in electronic format (Adobe). DMR parameters 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 [X] NO []

Comments, including identity of monitoring site:

UPDES 22896-001 (WMD-01) January and February: field pH (pH Minimum, DMR; n = 151) was outside the two standard deviation range.

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

DMR parameters need to be entered into the database.