

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

June 30, 2006

TO: Internal File
THRU: D. Wayne Hedberg, Permit Supervisor *DWH*
FROM: James D. Smith, Environmental Scientist *JS*
RE: 2006 First Quarter Water Monitoring, Task No. 2438, PacifiCorp, Cottonwood/Wilberg, C0150009

The Cottonwood/Wilberg Mine monitoring plan is described in Appendix A of Volume 9 of the MRP.

There are no springs monitored at this site. WCWR1 at the Waste Rock Site is the only well monitored. The mine was sealed May 10, 2001, so in-mine monitoring sites TMA @ 32 and 2ndS XC-11 are no longer accessible. The pond at the Cottonwood Fan Portal was reclaimed in 2002 and UPDES 22896-002 is no longer reported to DOGM or the Division of Water Quality.

1. Were data submitted for all of the MRP required sites?

Streams YES NO

For the 1st quarter 2006, no flow was reported at all stream-monitoring sites.

Well YES NO

UPDES YES NO

DMRs were submitted in electronic format (Adobe). DMR data were submitted to the DOGM database as operational parameters, not as DMR parameters.

2. Were all required parameters reported for each site?

Streams YES NO

Well YES NO

UPDES YES NO

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations: "n" is the number of values used to calculate the standard deviation in the Division's database. An asterisk (*) indicates this is not a parameter required by the MRP.

Streams	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Well	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
UPDES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

UT0022896-001, March; bicarbonate as CaCO₃ (n = 20).

4. On what date does the MRP require a five-year resampling of baseline water data.

The next renewal submittal is due 03/06/09 for renewal on 07/06/09. Baseline analyses were performed in 2001 and will be repeated every 5 years, i.e., the next set of baseline analyses is scheduled for 2006.

Baseline parameters were measured at WCWR1 during the 1st Qtr. There was flow at UT0022896-001, but baseline parameters are not determined for UPDES sites. There was no flow at the remaining sites.

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

If surface-water samples are collected at any time during 2006, they (at least one set) should be analyzed for 5-year baseline parameters.

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? YES NO

7. Follow-up from last quarter (4th Qtr 2005), if necessary. YES NO

8. Did the Mine Operator respond adequately to queries about missing or irregular data? YES NO