

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 19, 2010

TO: Internal File

THRU: Daron Haddock, Permit Supervisor *ADH*

FROM: James D. Smith, Environmental Scientist *JDS 19 Oct 2010*

RE: 2010 Second Quarter Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #3557

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

There are no springs monitored at this site. The mine was sealed May 10, 2001, so in-mine monitoring sites TMA @ 32 and 2nd S XC-11 are no longer accessible. WCWR1 at the Waste Rock Site is the only well monitored. The pond at the Cottonwood Fan Portal was reclaimed in 2002 so UPDES 22896-002 is no longer reported to DOGM or the Division of Water Quality. UT0022896-001 was the only UPDES outfall to discharge during the Second Quarter 2010.

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

Streams

YES NO

The streams were mostly dry during the Second Quarter; the only streamflow reported was in April and May at site GWR03.

Well

YES NO

UPDES

YES NO

DMRs are submitted in electronic format (Adobe). DMR data are submitted to the DOGM database as operational parameters, not as DMR parameters. UT0022896-001 was the only UPDES outfall to discharge during the Second Quarter 2010.

2. Were all required parameters reported for each site?

Streams

YES NO

Well YES NO
UPDES YES NO

UT0022896-001 was the only UPDES outfall to discharge during the Second Quarter 2010.

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations. An asterisk (*) indicates this is not a parameter required by the MRP.

Streams YES NO
Well YES NO
UPDES YES NO

UT0022896-001 (WMD01) April: bicarbonate as CaCO₃; values were also more than two standard deviations from the mean during January, February, and March 2010, but in May and June the values dropped and were comparable to those from the Fourth Quarter 2009. The long-term trend has been increasing bicarbonate and decreasing sulfate and chloride (see chart).

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

The Division received the permit renewal submittal on 03/09//09, for renewal on 07/06/09. Baseline analyses were performed in 2001 and 2006 and the next five-year baseline analyses will be in 2011.

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

No further action is required at this time.

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, if necessary. NA

8. Did the Mine Operator submit all missing and/or irregular data?
YES NO NA

There were no missing or irregular data in the Second Quarter 2010.

