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# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

March 23, 2011

TO: Internal File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: James D. Smith, Environmental Scientist *JS 24 March*

RE: 2010 Fourth Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #3691

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 2<sup>nd</sup> 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 Fourth Quarter 2010.

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

**Streams**

YES  NO

The streams were mostly dry or inaccessible during the Fourth Quarter; the only streamflow reported was in October and November at site CCC1.

**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 (WMD01) was the only UPDES outfall to discharge during the Fourth Quarter 2010.

**2. Were all required parameters reported for each site?**

**Streams**

YES  NO

**Well**

YES  NO

**UPDES**

YES  NO

UT0022896-001 (WMD01) was the only UPDES outfall to discharge during the Fourth 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

WCWR1: cation - anion balance.

**UPDES**

YES  NO

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

The next permit renewal will be on 07/06/14. 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 Fourth Quarter 2010.