

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

September 14, 2010

TO: Internal File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: James D. Smith, Environmental Scientist *JDS 14 Sept 2010*

RE: 2010 First Quarter Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #3472

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. 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 site to discharge during the First Quarter 2010.

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

Streams YES NO
 Only one stream site was accessible during the First Quarter 2010, and it was dry.

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 site to discharge during the First Quarter 2010.

2. Were all required parameters reported for each site?

Streams YES NO

Only one stream site was accessible during the First Quarter 2010, and it was dry.

Well YES NO
UPDES YES NO

UT0022896-001 was the only UPDES site to discharge during the First Quarter 2010.

3. Were any irregularities found in the data?

Streams YES NO
Well YES NO
UPDES YES NO

UT0022896-001 (WMD01) January, February, and March: bicarbonate as CaCO₃ values for all three months (387, 393, and 390 mg/L) were more than two standard deviations above the mean ($361.95 + 2 \times 11.97 = 384.89$ mg/L).

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.

None.

8. Did the Mine Operator submit all missing and/or irregular data?

NA