

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

January 12, 2010

TO: Internal File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: James D. Smith, Environmental Scientist *JDS 1/13/10*

RE: 2009 Second Quarter Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #3333

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.

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

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

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

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations.

Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
CCC01 June: field pH		
Wells	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
WCWR1 June: field pH and cation - anion balance.		
UPDES	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

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