

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

March 20, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2005 Fourth Quarter Water Monitoring, PacifiCorp, Cottonwood/Wilberg, C/015/0019, Task ID # 2388

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 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 <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 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 NO
Wells YES NO

WCWR1 Cation-anion percent difference (n = 17).

UPDES YES NO

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 baseline analyses will be in 2006.

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

There is no further action recommended 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 (2nd Qtr 2005), if necessary. YES NO

8. Did the Mine Operator respond adequately to queries about missing or irregular data?

YES NO

an
O:\015019.CWW\WATER QUALITY\JDS2388.DOC