

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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June 30, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: James D. Smith, Environmental Scientist *JS 10/3/06*

RE: 2006 First Quarter Water Monitoring, PacifiCorp, Cottonwood/Wilberg, C/015/0019, Task ID # 2438

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. WCWR1 at the Waste Rock Site is the only well monitored. 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  NO

No flow was reported at all stream monitoring sites.

**Well** YES  NO

**UPDES** YES  NO

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?**

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

**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.

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

UT0022896-001, March; bicarbonate as CaCO<sub>3</sub> (n = 20).

**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 set of baseline analyses is scheduled for 2006.

Baseline parameters were measured at WCWR1 during the 1<sup>st</sup> Qtr. There was flow at UT0022896-001, but baseline parameters are not determined for UPDES sites. There was no flow at the remaining sites.

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

If surface-water samples are collected at any time during 2006, they (at least one set) should be analyzed for 5-year baseline parameters.

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 (4th Qtr 2006), if necessary. YES  NO
8. Did the Mine Operator respond adequately to queries about missing or irregular data? YES  NO

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