

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

April 13, 2005

TO: Internal File

THRU: Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2004 Fourth Quarter Water Monitoring, PacifiCorp, Cottonwood/Wilberg, C/015/0019, Task ID # 2077

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. The Cottonwood/Wilberg Mine monitoring plan is described in Appendix A of Volume 9 of the MRP.

1. Were data submitted for all required sites?

Springs YES [] NO []

There are no springs monitored at this site.

Streams YES [X] NO []

Wells YES [X] NO []

UPDES YES [X] NO []

DMRs were submitted in electronic format (Adobe). DMR data were submitted to the DOGM database as operational parameters, not as DMR parameters.

In-mine YES [] NO []

There is no in-mine monitoring at this site

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 irregularities found in the data?

Listed parameters were outside two standard deviations.

| | |
|--|---|
| Streams | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
| GWR03 <u>December</u> : Ca (n = 34), Mg (n = 35), and total hardness (n = 81); | |
| Wells | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| 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 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?

None

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.

Page 3
C/015/0019-WQ04-4
Task ID #2077
April 13, 2005

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

NA

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