#4018
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WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

September 27, 2012

TO: Internal File

THRU: Steve Christensen, Permit Supervisor SJCC

FROM: Ken Hoffman, Environmental Scientist KH [illegible]

RE: First Quarter of 2012 Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #4018

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 of 2012.

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

Streams	YES ☒	NO ☐
Well	YES ☒	NO ☐
UPDES	YES ☒	NO ☐

UT0022896-001 was the only UPDES site to discharge during the First Quarter of 2012.

2. Were all required parameters reported for each site?

Streams	YES ☒	NO ☐
Well	YES ☒	NO ☐
UPDES	YES ☒	NO ☐

UT0022896-001 was the only UPDES site to discharge during the First Quarter of 2012.

3. Were any irregularities found in the data?

Streams YES ☒ NO ☐

GWR03 March 2012 - bicarbonate, total alkalinity

Well YES ☒ NO ☐

WCWR1 March 2012 - bicarbonate

UPDES YES ☒ NO ☐

UPDES-001 March 2012 - dissolved magnesium

4. On what date does the MRP require a five-year resampling of baseline water data.

The Division renewed the permit on July 6, 2009. Baseline analyses were performed in 2006 and 2011 and baseline analyses will be due next in 2016.

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