

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

August 20, 2008

JK

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor *DRH*

FROM: James D. Smith, Environmental Scientist III *DS* 08/28/08

RE: 2008 First Quarter Water Monitoring, PacifiCorp, Deer Creek Mine. C/015/0018, Recurring Task ID #2711

The Deer Creek Mine monitoring plan is described in Appendix A of Volume 9 of the MRP.

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

Springs YES NO

NEWUA Meter 2 and Meter 3 were not accessible during the first quarter 2008.

Streams YES NO

Wells YES NO

UPDES YES NO

In-mine YES NO

2. Were all required parameters reported for each site?

Springs YES NO

Streams YES NO

Wells YES NO

UPDES YES NO
In-mine YES NO

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations. An asterisk (*) indicates this is not a parameter specifically required by the MRP.

Springs YES NO
Streams YES NO

DCR04 January: flow;
DCR06 January: flow;
HCC01 March: field specific conductivity, Mg, SO4, total hardness, lab specific conductivity*, TDS, and total cations*;
HCC02 March: field specific conductivity, Mg, SO4, lab specific conductivity*, and TDS;
RCF3 March: Ca, acidity*, SO4, total hardness, lab specific conductivity*, TDS, and total cations*;
RCW4 March: field specific conductivity, Ca, Mg, K, Na, SO4, total hardness, lab specific conductivity*, TDS, total cations*, and total anions*.

Wells YES NO

DCWR1 March: bicarbonate as CaCO3.

UPDES YES NO

UT0023604-001 March: K;
UT0023604-002 January: bicarbonate as CaCO3.

In-mine YES NO

Main North-Main East December: water temperature, Ca, Mg, SO4, total hardness, lab specific conductivity*, TDS, total cations*, and total anions*.

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

Baseline analyses were performed in 2001 and are to be repeated every 5 years; baseline analyses were done in 2006 and should be done again in 2011: renewal submittal due 10/07/10, renewal due 02/07/11.

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.

8. Did the Mine Operator submit all the missing and/or irregular data (datum)?

Yes.