

0025

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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July 10, 2007

OK

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor *PL*

FROM: James D. Smith, Environmental Scientist *JS* 07/07/07

RE: 2007 First Quarter Water Monitoring, PacifiCorp, Deer Creek Mine. C/015/0018

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 <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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"/>
In-mine	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

**2. Were all required parameters reported for each site?**

Springs	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Wells	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

**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

MFB March: field specific conductivity, Ca, Mg, Na, SO<sub>4</sub>, total alkalinity\*, total hardness, lab specific conductivity\*, TDS, total anions\*, and total cations\*;

RCW4 March: field specific conductivity, Ca; Mg, K, Na, SO<sub>4</sub>, total hardness, lab specific conductivity\*, TDS, total anions\*, and total cations\*;

RCF3 March: field specific conductivity.

**Wells** YES  NO

DCWR1: Mg and total hardness.

**UPDES** YES  NO

**In-mine** YES  NO

Main North-Main East: SO<sub>4</sub>, total hardness, and total cations\*.

**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)?

NA