

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

October 7, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2005 Second Quarter Water Monitoring, PacifiCorp, Deer Creek Mine, C/015/0018, Task ID # 2255

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

At Rilda Meters 2 and 3 - the only springs monitored in the second quarter - valve problems prevented collection of any data.

Streams YES NO

Wells YES NO

UPDES YES NO

At UT0023604-001 and UT0023604-002, sampling and monitoring were done twice in May: the technician erroneously thought the second time was for June. As a result, there was no monitoring during June. DWQ was informed of this error, and these sites were then sampled and monitored twice in July.

In-mine YES NO

2. Were all required parameters reported for each site?

Springs YES NO

Rilda Meters 2 and 3: Valve problems prevented collection of data.

Streams YES NO

HCC01, HCC02, HCC04, and RCLF-1 June: field pH was not reported because of a faulty pH meter.

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: “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.

In-mine YES NO

Springs YES NO

Rilda Meters 2 and 3: Valve problems prevented collection of data.

Streams YES NO

DCR01 June: flow (n = 202) and Ca (n = 10).

DCR04 May: flow (n = 223).

DCR06 May and June: flow (n = 223).

MHC01 May: flow was over the capacity of the flume.

RCF-1 May: flow was over the capacity of the flume.
June: flow (n = 108).

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

Renewal submittal due 10/07/05, renewal due 02/07/06. 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?

This is the third quarter the valves at Rilda Meters 2 and 3 have been inoperable and prevented scheduled monitoring. NEWUSSD owns these meters and the Permittee cannot repair or replace them without NEWUSSD's cooperation. If NEWUSSD does not replace or repair these valves soon, the Permittee needs to revise the water-monitoring plan.

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 (1st Qtr 2005), if necessary.

YES NO

The Permittee needs to work with NEWUSSD to promptly resolve the valve problems at Rilda Meters 2 and 3.

8. Did the Mine Operator respond adequately to queries about missing or irregular data?

YES NO