

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

March 17, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2005 Third Quarter Water Monitoring, PacifiCorp, Trail Mountain Mine, C/015/0009, Task ID # 2358

The Trail Mountain Mine is currently idle. The monitoring plan is described in Appendix A of Volume 9 of the MRP.

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

In-mine YES NO

The mine is sealed, so other than the Oliphant portal discharge (18-1-1 or T-18), which is monitored as a spring, there is no monitoring of underground or in-mine water.

Springs YES NO

Streams YES NO

UPDES YES NO

DMRs were submitted in electronic format (Adobe). The mine was sealed in June 2001 and there has been no reported discharge at UPDES UT23728-002 (the mine-water discharge into Cottonwood Creek) since May 2001.

Wells YES NO

Since July 2004, the water level in TM-3 has been reported as head above the casing elevation, determined from pressure measured by a gauge on the sealed wellhead.

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

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.

Springs	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
18-2-1	<u>July</u> : Mg (n = 12), total hardness (n = 38), lab specific conductivity* (n = 39).	
17-21-1	<u>August</u> : K (n = 12).	

Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
SW-3	<u>September</u> : field conductivity (n = 123), Ca (n = 22), Mg (n = 22), Cl (n = 106), sulfate (n = 105), total hardness (n = 53), lab specific conductivity* (n = 74), TDS (n = 106), total cations* (n = 79), and total anions* (n = 79).	

UPDES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
UT0023728-001	<u>September</u> : flow (n = 191; the pond was pumped for cleaning in September – DMRs typically state “No Discharge”), Ca (n = 26), Mg (n = 26), sulfate (n = 26), and total hardness (n = 26).	

Wells	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
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4. On what date does the MRP require a five-year resampling of baseline water data.

Renewal submittal due 10/21/04, renewal due 02/21/05. 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?

There is no further action recommended at this time.

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? YES NO

6. Follow-up from last quarter, if necessary.

NA

8. Did the Mine Operator respond adequately to queries about missing or irregular data? YES NO