

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

April 9, 2007 gk

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: James D. Smith, Environmental Scientist *04/12/07 JDS*

RE: 2006 Fourth Quarter Water Monitoring, PacifiCorp, Trail Mountain Mine, C/015/0009

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). There was no discharge from either UPDES point during the fourth quarter 2005. 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. 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: TDS		
Streams	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
UPDES	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Wells	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

TM-1B: total iron

In TM-3, water elevation peaked in June 2005, remained steady through October, dropped 18.5 ft in November and December 2005, and have been steady since. See chart below.

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

The next renewal submittal is due 10/21/09 for renewal on 02/21/10. Baseline analyses were performed in 2001 and as shown in the following table, the Permittee collected quarterly baseline data at the required sites during 2006. Analyses for baseline parameters will be repeated every 5 years, i.e., the next baseline analyses will be in 2011.

Fifth-year Baseline Monitoring				
Monitoring Site	1 st Qtr. 2006	2 nd Qtr. 2006	3 rd Qtr. 2006	4th Qtr
SW1	No Flow	Yes	Yes	Yes
SW2	Yes	Yes	Yes	Yes
SW3	No Flow	Yes	Yes	No Access
18-3-1	Yes	Yes	Yes	No Access
18-2-1	NA	NA	Yes	Yes
TM-21	NA	NA	Yes	Yes
TM-22	NA	NA	Yes	Yes
17-26-4	NA	NA	Yes	No Flow
17-25-1	NA	NA	No Flow	No Flow
17-26-5	NA	NA	No Flow	No Flow
17-35-1	NA	NA	No Flow	No Flow
17-35-2	NA	NA	No Flow	No Flow
18-1-1	No Flow	No Flow	No Flow	No Flow
TM-1B	Yes	Yes	Yes	Yes
TM-3	Level Only			
UG-3	Mine sealed June 2001- No In-Mine Monitoring			
UPDES-001	Not Required			
UPDES-002	Mine Sealed – No Discharge			

5. Based on your review, what further actions, if any, do you recommend?

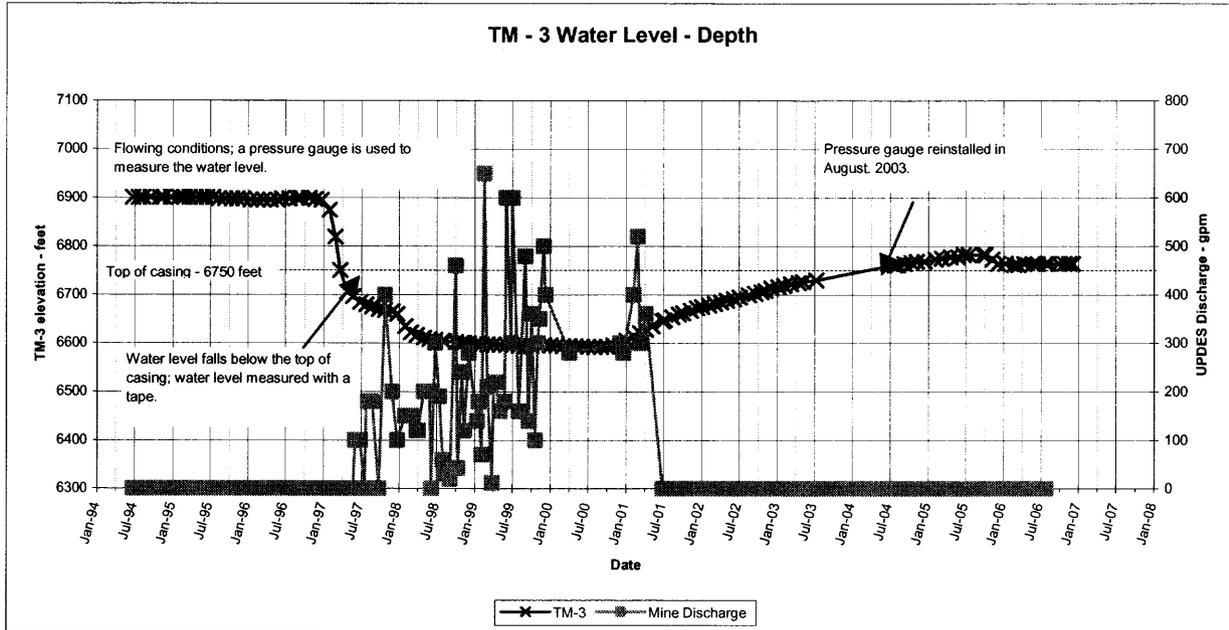
There is no further action recommended at this time.

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



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