

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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June 13, 2006

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

FROM: David W. Darby, Senior Reclamation Specialist/Hydrology

RE: 2005, 4th Quarter Water Monitoring, UtahAmerican Energy, Inc., Horse Canyon Mine, C/007/0013-WQ05-4, Task ID #2562

**1. Was data submitted for all of required sites?**

This report was prepared based on information in File: O:\007013.hc\Water Quality\datacheck2005.xls. The reclamation water monitoring schedules for surface (Table-1) and groundwater (Table 3) at the Horse Canyon Mine is identified in Appendix VI-5. A major portion of the disturbed area (now reclaimed) has been donated to the College of Eastern Utah on October 20, 2005. UtahAmerican Energy Inc. (UEI) will still be responsible for reclamation until Phase III bond release is approved.

Surface and groundwater monitoring is required for the Horse Canyon Mine (MRP-A) only. The Lila Canyon Extension (Application) to the Horse Canyon Mine has been submitted to the Division and is currently under technical review. UEI has submitted surface and groundwater monitoring information for sites on the Lila Canyon Extension as identified in the plan (MRP-B). Currently, there is not a binding contract for baseline monitoring requirements by UEI, since they do not have an approved mine permit for part MRP-B. Jay Marshall sent an email October 25, 2004 stating that as of the second quarter of 2004 UEI has collected two years of baseline information (using operational parameters), and announced they will discontinue monitoring the Lila Canyon Extension sites, and will continue when the permit is approved.

**Springs** The operational data submitted to the Division Database shows Horse Canyon spring monitoring site RS-1 to be the only spring monitored and reported.

**YES [X] NO [ ]** All springs were monitored according to the schedule and data submitted.

**Streams** Surface Water sites at the Horse Canyon Mine consist of H-1, B-1, RF-1. They are monitored for flow and chemistry once each calendar quarter.

**YES**  **NO**  All required stream sites were monitored for the quarter.

**Wells** There are no operational monitoring wells on the Horse Canyon Mine.

**YES**  **NO**  **N/A**  Water levels were measured.

**UPDES** Sedimentation Pond #2, UPDES Site 002, has been, modified for full containment and transferred to the College of Eastern Utah.

**YES**  **NO**  **N/A**

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

**Springs** YES  NO

**Streams** YES  NO

**Wells** YES  NO  NA

**UPDES** YES  NO  NA

**3. Were irregularities found in the data?**

**Springs** YES  NO

**Streams** YES  NO

**Wells** YES  NO  NA

**UPDES** YES  NO  NA

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

Re-sampling due date is July 2009.

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

None

**Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? [ ] Yes [X] No**

A copy of the data file will be emailed to the Mine Operator and DOGM Mine Inspector.

**6. Follow-up from last quarter, if necessary.  
Did the Mine Operator submit all the missing and/or irregular data (datum)?**

This report and the previous report were delayed to facilitate the permit review process.