

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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September 2, 2009

TO: Internal File

THRU: James D. Smith, Permit Supervisor *JS 09/03/09*

FROM: April A. Abate, Environmental Scientist II/Hydrologist *AAA 9-2-09*

RE: 2008, 3rd Quarter Water Monitoring, Savage Services Corporation, Savage Coal Terminal, C/007/0022 Task #3145

The Savage Coal Terminal is an operating coal loadout where coal is crushed, screened, blended, and then loaded onto rail transport. The operation was restarted in 2006 after several years of being in cessation.

Pertinent water monitoring requirement information is in the MRP in Sections 731.200 pages 80 - 83 and Table 7-17, Figure 7-1.

1. Was data submitted for all of the MRP required sites? YES  NO

**Springs** –

The Permittee is not required to monitor any springs at the Savage Coal Terminal. There are no springs to monitor.

**Streams** –

The Permittee is required to sample CV-14-W, for the parameters outlined in Table 7-17 in the second and fourth quarter of each year.

Site CV-14-W was not required to be monitored this quarter.

**Wells**–

The Permittee is required to sample CV-1-W for the parameters outlined in Table 7-17 in the second and fourth quarter of each year. S-1-GW and S-2-GW are monitored quarterly. Beginning in 2010, they will be monitored during the second and fourth quarter only.

Site CV-1-W was not required to be monitored this quarter. Sites S-1-GW and S-

2-GW were monitored this quarter. Monitoring well S-1-GW was dry.

**UPDES-**

There is one active UPDES outfall at the Savage Coal Terminal, CV-15-W, or UTG040005-001. The Permittee is required to monitor this UPDES site monthly under Permit # UTG040005 that is due to expire on April 13, 2013.

The location was monitored each month during the 3rd quarter. Permittee recorded no flow at the UPDES point during the period.

**2. Were all required parameters reported for each site?** YES  NO

**3. Were any irregularities found in the data?** YES  NO

Total Suspended Solids (TSS) spiked this quarter at a concentration of 895 mg/L showing an usually high level of sediment in the sample. However, this report is being prepared retroactively and data subsequent to the 3<sup>rd</sup> quarter show that the TSS concentrations did decline markedly in the 4<sup>th</sup> quarter 2008, 1<sup>st</sup> quarter 2009 and 2<sup>nd</sup> quarter 2009. Dissolved calcium levels reported a concentration of 279.6 mg/L, lower than the average concentration of approximately of 393 mg/L. Similar to the TSS results, the concentrations of dissolved calcium in subsequent quarters returned to average levels.

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

The permit renewal was issued on August 6, 2009. Currently there is no specified baseline sampling protocol established for the groundwater monitoring wells.

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

None