

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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June 8, 2011

TO: Internal File

THRU: James D. Smith, Permit Supervisor *JDS 06/13/11*

FROM: April A. Abate, Environmental Scientist III *AAA 6/9/11*

RE: 2010 4th Quarter Water Monitoring, Savage Services Corporation, Savage Coal Terminal, C/007/0022, Task #3681

The Savage Coal Terminal is an operating coal loadout where coal is crushed, screened, blended, and then loaded onto rail transport. Pertinent water monitoring requirement information is in the MRP in Section 731.200.

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 at the Savage coal terminal site.

## Streams –

Stream site CV-14-W is required to be monitored during the 2<sup>nd</sup> and 4<sup>th</sup> quarters of each year. CV-14-W was monitored during the 4th quarter.

## Wells–

There are three groundwater monitoring wells at the site: S-1-GW, S-2-GW, and CV-1-W. As of 4th quarter 2010, the MRP states that all wells will be monitored during the second and fourth quarter only. However, wells S-1-GW and S-2-GW were monitored on September 28, 2010.

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 monthly during the 4th quarter. The Permittee recorded one discharge at the UPDES point during the month of December.

2. **Were all required parameters reported for each site?** YES [X] NO [ ]
3. **Were any irregularities found in the data?** YES [X] NO [ ]

Monitoring well S-2-GW indicated turbid water with high iron concentrations.

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, 2010. The permittee has committed to collecting baseline samples once every 5 years. The next scheduled baseline sampling is 4<sup>th</sup> quarter of 2013.

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

Groundwater monitoring well S-2-GW showed some abnormalities in the total iron and total suspended solids results. Comments were noted as water samples having high turbidity and evidence of something else, but the comment got cut off in the database. Savage should assess the well and determine the cause of the higher iron concentrations.