

#4028

OK

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

September 17, 2012

TO: Internal File

THRU: Steve Christensen, Permit Supervisor *SC*

FROM: April A. Abate, Environmental Scientist III *AGG 9/17/2012*

RE: 2012 1st Quarter Water Monitoring, Savage Services Corporation, Savage Coal Terminal, C/007/0022, Task #4028

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 2nd and 4th quarters of each year.

CV-14-W was not required to be monitored during the 1st quarter of 2012.

Wells

There are three groundwater monitoring wells at the site: S-1-GW, S-2-GW, and CV-1-W.

Wells S-1-GW, S-2-GW and CV-1-W will be monitored bi-annually during the 2nd and 4th quarters of each year.

CV-1-W, S-1-GW were not required to be monitored during the 1st quarter 2012. Wells S-2-GW was monitored on March 21, 2012 as an extra sample, although not required. Oil and grease was reported as non-detect in the groundwater sample from this well.

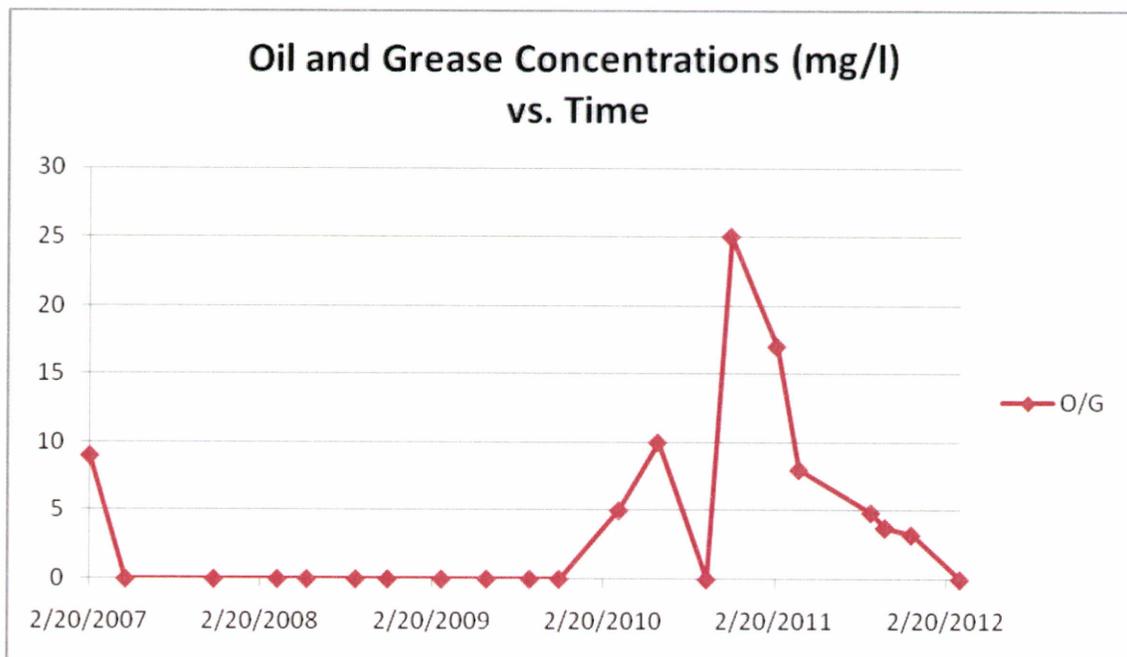
UPDES

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 1st quarter 2012. The 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

Oil and grease has been detected in groundwater monitoring well S-2-GW on a somewhat sporadic basis. Savage has been monitoring the groundwater sample in well S-2-GW for oil and grease on a monthly basis. This quarter, oil and grease was monitored in monitoring wells S-2-GW. Concentrations of oil and grease were not detected in the sample.



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

The next scheduled baseline sampling is 4th quarter of 2013.

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

Concentrations of oil and grease in the groundwater monitoring wells appear to be declining in monitoring well S-2-GW since February of 2011. *Quarterly* testing for oil and grease is now recommended for *both* wells to analyze for trends. If concentrations reach above 10 mg/L, then additional TPH testing is still recommended.

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