

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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November 19, 2014

TO: Internal File

THRU: Steve Christensen, Permit Supervisor 

FROM: Keenan Storrar, Hydrologist *Keenan Storrar*

RE: Second Quarter (Q2) of 2014 Water Monitoring, Savage Services Corporation, Savage Coal Terminal, C/007/0022, Task #4621

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 (Vol. 2, pg.116).

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

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

## Wells

*There are four groundwater monitoring wells at the site: S-1-GW, S-2-GW, S-3-GW and CV-1-W. Wells S-1-GW, S-2-GW and CV-1-W will be monitored bi-annually during the 2<sup>nd</sup> and 4<sup>th</sup> quarters of each year. Monitoring well S-3-GW was installed during summer 2012. S-3-GW will be monitored quarterly for a period of two years, then bi-annual thereafter.*

S-3-GW water table is at 30 ft bgl or about the depth of the pipe in Q2 2014.

## 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 was re-issued on September 1, 2013 and expires on August 31, 2018.

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

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

CV-1-W June: D-Ca was ~2 STD from the mean

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

The next scheduled baseline sampling is Q4 2014.

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

Continue to monitor groundwater levels in S-3-GW to determine if there is a seasonal response in the water table. S-3-GW will begin bi-annual monitoring in Q2 2014.