

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

September 22, 2014

TO: Internal File

THRU: Steve Christensen, Permit Supervisor 

FROM: Keenan Storrar, Hydrologist *Keenan Storrar*

RE: First Quarter (Q1) of 2014 Water Monitoring, Savage Services Corporation, Savage Coal Terminal, C/007/0022, Task #4533

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 2nd and 4th 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 2nd and 4th 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.

Monitoring well S-2-GW was abandoned during the Third Quarter of 2013 according to the approved amendment. However, it was monitored during Q4 2013.

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. UTG040005-001 Sed Pond Q to ditch discharged in the Q1 of 2014 on January 19, 2014.

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

UTG040005-001 discharge point is missing data for the January 19, 2014 flow event. The following data is needed: TSS, pH, and TDS.

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

S-3-GW water table dropped from 11.4 ft below ground level (bgl) in Q4 2013 to below the depth of the well (~30 ft bgl) in Q1 2014.

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

The next scheduled baseline sampling is Q2 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.