

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

February 4, 2015

TO: Internal File

THRU: Steve Christensen, Permit Supervisor 

FROM: Keenan Storrar, Hydrologist 

RE: Third Quarter 2014 Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #4663

The Cottonwood/Wilberg Mine monitoring plan is described in Appendix A-2 of Volume 9 of the MRP. The site is currently in the Reclamation Sampling monitoring phase. There are no springs monitored at this site. The mine was sealed May 10, 2001, so there are no in-mine monitoring sites. WCWR1 at the Waste Rock Site is the only monitoring well. Task #4716 Reduction of Water Monitoring separated Cottonwood water monitoring sites from Deer Creek water monitoring sites. Deer Creek and Cottonwood monitoring programs are still found in Volume 9 (in appendices A-1 and A-2, respectively) because they are both within the East Mountain PHC.

1. Were data submitted for all of the MRP required sites?

Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Well	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
UPDES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

2. Were all required parameters reported for each site?

Streams	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Well	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
UPDES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

UT0022896-001 was the only UPDES site to discharge during Q3 2014.

Were any irregularities found in the data?

Streams YES NO

Well YES NO

WCWR1 September – Cat-Ani – was >5% Diff meaning the analysis of the sample is bad.

UPDES YES NO

001– The Cat-Ani % Diff was too high in August for an accurate picture of the water quality. In September D-Mg was lower than the mean.

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

The Division renewed the permit on July 6, 2009. Baseline analyses were performed in 2006 and 2011 and baseline analyses will be due next in 2016.

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

No further action is required at this time.

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? YES NO

7. Follow-up from last quarter, if necessary.

None.

8. Did the Mine Operator submit all missing and/or irregular data?

NA