

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

June 18, 2019

TO: Internal File

THRU: Steve Christensen, Environmental Manager 

FROM: Keenan Storrar, Hydrologist 

RE: Fourth Quarter 2018 Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #5810

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. In-mine monitoring discontinued when the mine was sealed May 10, 2001. Deer Creek and Cottonwood monitoring programs are found in Volume 9 appendices A-1 and A-2. They are in the same MRP volume because they fall within PacifiCorp's East Mountain PHC.

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

Streams YES NO

UPDES YES NO

2. Were all required parameters reported for each site?

Streams YES NO

UPDES YES NO

The UPDES outfall UT0022896-001 steadily discharged during Q4 2018. This site is perpetually fed by a fracture extending to the surface ~100-200 yards inby the sealed portal.

3. Were any irregularities found in the data?

Streams YES NO

UPDES YES NO

Metals (D-Ca, D-Mg, TDS) are slightly elevated this quarter.

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, 2011, and 2016. Baseline analyses will be due in 2021.

5. 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