

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

March 30, 2018

TO: Internal File

THRU: Steve Christensen, Permit Supervisor 

FROM: Keenan Storrar, Hydrologist 

RE: Third Quarter 2017 Water Monitoring, PacifiCorp, Deer Creek Mine.
C/015/0018, Task ID #5578

The Deer Creek Mine monitoring plan is in Appendix A-1 of Volume 9 of the MRP. The mine closed January 2015 and is transitioning towards reclamation. The Permittee has installed a pipeline from the Rilda Right portals down to the Huntington Power Plants raw water holding pond. All gravity drainage mine-water will be routed in this pipe from the Rilda Right portals to the Power Plant.

1. **Were data submitted for all of the MRP required sites?** YES NO
2. **Were all required parameters reported for each site?** YES NO
- Springs** YES NO
- Streams** YES NO
- Wells** YES NO
- UPDES** YES NO
3. **Were any irregularities found in the data?**
- Springs** YES NO
- Streams** YES NO
- Wells** YES NO
- UPDES** YES NO
- Mine water discharge at the Deer Creek portals UPDES outfall has ceased. Mine pools are developing in the Southern Deer Creek workings and the Mill Fork area workings. Once these areas fill to capacity they will gravity discharge at the Deer Creek and Rilda Right portals.
- Wells** YES NO

- 4. On what date does the MRP require a five-year resampling of baseline water data.**
Baseline analyses were performed in 2001, 2006, 2011, and 2016, repeating every 5 years. The next baseline analyses will be conducted in 2021.
- 5. Based on your review, what further actions, if any, do you recommend?**
There appears to be no indication of trends or impacts from mining activities. All water quantity volumes and quality parameters are within reasonable ranges. No further action recommended 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 the missing and/or irregular data (datum)?**
NA.