

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

June 27, 2018

TO: Internal File

THRU: Steve Christensen, Permit Supervisor

FROM: Keenan Storrar, Hydrologist

RE: Fourth Quarter 2017 Water Monitoring, Sunnyside Cogeneration Association, Sunnyside Refuse/Slurry, C0070035, WQ17-4, Task ID #5648



The Sunnyside Refuse/Slurry Mine is currently operational. The facility mines the old Sunnyside Mine coarse refuse and slurry cells, blends the material and burns it at the adjacent co-generation facility. Sunnyside Cogeneration Association (SCA) started mining coal refuse at this site in 1993. Water monitoring requirements are described in the MRP in Section 730 and Appendix 7-8.

This report was prepared from monitoring data queried from the UDOGM database. The data that support this report were collected and submitted to the database by SCA. The data were downloaded into file O:\007035.SRS\Water Quality\Data\SunnysideRefuseWQ.xlsx for this review.

1. Was data submitted for all required sites?

Springs

YES NO

The Permittee is required to monitor and sample springs CRS, CRB and F-2 quarterly. Spring monitoring data has been submitted for this quarter.

Streams

YES NO

The Permittee is required to monitor and sample Iceland Creek at location ICE-1 quarterly. Stream monitoring data for this point has been reported for this quarter.

Wells

YES NO

The Permittee is required to monitor and sample the East Carbon City Well (a.k.a. Dragerton Well or WELL-1 and well B-6 quarterly.

UPDES

YES NO

There are six active UPDES sites at the Sunnyside Refuse/Slurry Mine. They are all under the permit UT0024759, and include outfalls 007, 008, 009, 012, 014, and 016. The Permittee is required to monitor each UPDES site monthly according to the permit.

The UPDES outfalls did not discharge during this quarter.

2. Were all required parameters reported for each site?

Springs YES NO

Streams YES NO

Wells YES NO

UPDES YES NO

3. Were irregularities found in the data?

Springs YES NO
CRB: Elevated D-K, D-Na, Cond

Streams YES NO

Wells YES NO

UPDES YES NO

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

MRP Appendix 7-8 states that "once every five years (prior to each application for permit renewal) one sample from each of the monitoring sites listed in Table 7-2A will be sampled and analyzed for the parameters listed in Table 7-2B". The Permittee monitored the complete list of baseline parameters during 2012.

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

None.

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

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

Did the Mine Operator submit all the missing and/or irregular data (datum)?

None required.