

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

May 17, 2007

gk

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: David W. Darby, Senior Reclamation Specialist/Hydrology *[Signature]*

RE: 2006 4th Quarter Water Monitoring, Sunnyside Cogeneration Association, Sunnyside Refuse/Slurry, C/007/0035-WQ-06-4, Task #2672

This report is based on information in data file; O:\007035.srs\Water Quality\datacheck2006-2007(1).xls. 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 in an on-site co-generation facility. SCA started mining at this site in 1993 and projects a total mine life of at least 20 years.

Pertinent water monitoring requirement information is in the MRP in Section 730, and Appendix 7-8.

1. Was data submitted for all of required sites?

Springs The Permittee is required to monitor springs CRS, CRB, and F-2 quarterly for the parameters listed in Table 7-2C. CRS was not flowing.

The Permittee monitored and reported the essential data for all springs as required during this quarter. CRS and CRB were not flowing.

YES NO

Streams The Permittee is required to monitor ICE-1 quarterly for the parameters outlined in Table 7-2C.

The Permittee monitored and reported data for site ICE-1 for this quarter.

YES NO

Wells The Permittee is required to sample Well-1, and B-6 quarterly for the parameters listed in Table 7-2C.

The Permittee monitored and reported the essential data for all wells as required during this quarter. B-6 was dry.

YES NO

UPDES There are seven active UPDES sites at the Sunnyside Refuse/Slurry Mine. They are all under the permit UT0024759, and include outfalls 004, 007, 008, 009, 012, 014, and 016. The Permittee is required to monitor each UPDES site monthly according to Table 7-1B. They are required to sample flow and total suspended solids twice monthly at each outfall.

The Permittee monitored and reported no discharges during the quarter.

YES NO

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

Streams YES NO Most of the major cation and anion values were higher than the average during this quarter, however the cation/anion balance was within .2 of each other showing stability in the balance. Flow was only about one fourth the flow of the last two quarters.

Wells YES [] NO [X]

UPDES YES [] NO [X]

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

The MRP 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 next requirement will be in 2007.

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 [X] No

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

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

None required.