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WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

December 21, 2011

TO: Internal File

THRU: Steve Christensen, Permit Supervisor SHC

FROM: Amanda Daniels, Environmental Scientist II AD

RE: 2011 Second Quarter Water Monitoring, Star Point Waste Fuel, Sunnyside Cogeneration Associates (SCA), C/007/0042, WQ11-2, Task ID #3846

Sunnyside Cogeneration Associates (SCA) is currently mining the coal refuse piles accumulated from the Star Point Mine. The Star Point Mine is reclaimed. SCA mining operations consist of removing refuse material and hauling it to the SCA power cogeneration plant at Sunnyside, Utah.

SCA monitors UPDES effluents from sedimentation ponds on the site. There are no perennial streams, lakes, springs or seeps in the immediate vicinity that can be influenced directly by mining activities. Three sedimentation ponds are located in the permit area and shown on Maps 731.720a and 731.720b. The parameters to be monitored are specified in the UPDES Permit UTG040025, see Section 742.221d of the MRP.

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:\007042.SWF\Water Quality\Spreadsheets\ StarPointRefuseWQ.xls for this review.

1. Was data submitted for all required monitoring sites? YES [X] NO [ ]

Springs There are no springs on or adjacent to the mining operation.

Streams There are no stream monitoring sites for this mine operation, because all runoff from the minesite is conveyed to sedimentation ponds and monitored monthly in accordance with the UPDES permit.

Wells There are no active wells on or adjacent to the mining operation.

UPDES There are three active UPDES discharge sites at the Star Point Waste Fuel site that are associated with Sedimentation Ponds 5, 6 and 9. These correspond to UPDES Outfall Numbers 005, 006 and 009, respectively. Discharge limitations for outfalls are established in the UPDES permit,

and alternative criteria are provided for discharges or increases in discharge volume in response to precipitation events. Discharges from any sedimentation pond would go to Sage Brush Canyon, which drains to Serviceberry Creek (a tributary of the Colorado River).

The operator monitored and submitted monthly UPDES monitoring data for second quarter 2011. No flow was reported for any of the outfalls during this period.

2. Were all required parameters reported for each site? YES [X] NO [ ]

UPDES The Operator entered "No Flow" into the database for the required monitoring points for second quarter 2011.

3. Were any irregularities found in the data? YES [ ] NO [X]

UPDES There was no discharge at any of the outfalls, which is typical. The last reported discharge occurred in October 2004 from Ponds 5 and 6.

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

Baseline water monitoring is the same as operational and reclamation monitoring. The five-year permit was renewed November 2008.

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

None

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

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

None

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

Not applicable.