

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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September 13, 2007

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor 

FROM: David Darby, Senior Reclamation Specialist 

RE: 2004 4th Quarter Water Monitoring, Star Point Refuse, Sunnyside Cogeneration Assoc.(SCA), C/007/0042-WQ04-4, Task ID #2143

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

SCA is currently mining the coal refuse piles accumulated from the Star Pint Mine. The Star Point Mine is reclaimed. SCA mining operation consists of removing refuse material and hauling it to the SCA power cogeneration plant at Sunnyside, Utah.

Information for this report was evaluated from file 0:\007042.swf\Water Quality\Datacheck2003-2007.xls. 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.

**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 wells on or adjacent to the mining operation.

**UPDES** There are three active UPDES discharge sites at the Star Point Waste Fuel site, Sedimentation Ponds 5, 6 and 9. All discharges must meet the UPDES standards, unless the discharge is caused by a precipitation event in excess of a 10 yr.-24 hr storm. Discharges from any pond would go to Sage Brush Canyon.

The operator monitored and submitted 1st quarter UPDES information for October,

November and December 2004.

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

**UPDES**

The Permittee is required to monitor the following parameters when flow is present, Flow (gpm), pH (6.5 to 9.0mmhos), Oil and Grease (mg/L), No visible sheen, Total Suspended Solids (mg/L), Total Iron (mg/L) and Total Dissolved Solids (lbs/day). There was flow reported at sites 005 of 5 gpm and 006 of 30 gpm, however there was no other monitoring data submitted characterizing the chemical or physical appearance of effluent.

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

**UPDES** There was a discharge of five gpm on October 22, 2004 and discharge at Site 5 and a 30 gpm on September 22, 2003 at Site 6. Neither discharge was accompanied by a water quality analyses.

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

Permit renewal is August 2009.

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

**Does the Mine Operator need to submit more information to full fill this quarter's monitoring requirements?** [X]Yes [ ] No

A copy of the data file will be e-mailed to the Mine Operator and DOGM Mine Inspector. The DOGM hydrologist and inspector should check to see if the data is available.

6. **Follow-up from last quarter, if necessary.**  
**Did the Mine Operator submit all the missing and/or irregular data (datum)?**

The review of this report and the previous report were delayed to conduct permit reviews. The data will be tracked to ensure and the database is updated. No other information is needed.