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*Outgoing*  
C0070042  
OK

OGMCOAL - Star Point Refuse C/007/0042 - Water Quality Memos WQ08-4, WQ09-1,  
WQ09-2 & WQ09-3

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**From:** Kevin Lundmark  
**To:** Rusty Netz  
**Date:** 2/8/2010 9:49 AM  
**Subject:** Star Point Refuse C/007/0042 - Water Quality Memos WQ08-4, WQ09-1, WQ09-2 & WQ09-3  
**CC:** OGMCOAL  
**Attachments:** C0070042\_WQ09-3.pdf; C0070042\_WQ08-4.pdf; C0070042\_WQ09-1.pdf; C0070042\_WQ09-2.pdf

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Rusty,  
FYI - Water Quality Memos for Star Point Refuse for 4th quarter 2008, 1st quarter 2009, 2nd quarter 2009 and 3rd quarter 2009 are attached. Please don't hesitate to contact me if you have any questions about these.  
Thanks,  
Kevin

Kevin Lundmark  
Environmental Scientist II  
Division of Oil, Gas & Mining  
[kevinlundmark@utah.gov](mailto:kevinlundmark@utah.gov)  
(801)538-5352

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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January 12, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor *DS 01/13/10*

FROM: Kevin Lundmark, Environmental Scientist II *KWL*

RE: 2009 3rd Quarter Water Monitoring, Star Point Refuse, Sunnyside Cogeneration Associates (SCA), C/007/0042-WQ09-3, Task ID #3390

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\SWF\_All\_11Jan2010.xls for this review.

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

<b>Springs</b>	There are no springs on or adjacent to the mining operation.
<b>Streams</b>	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.
<b>Wells</b>	There are no active wells on or adjacent to the mining operation.
<b>UPDES</b>	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 3rd Quarter 2009. No flow was reported for any of the outfalls during this period.

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

Not applicable

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

UPDES There was no discharge at any of the outfalls.

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.

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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January 12, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor *DS 01/13/10*

FROM: Kevin Lundmark, Environmental Scientist II *KWL*

RE: 2008 4th Quarter Water Monitoring, Star Point Refuse, Sunnyside Cogeneration Associates (SCA), C/007/0042-WQ08-4, Task ID #3174

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\SWF\_All\_11Jan2010.xls for this review.

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

<b>Springs</b>	There are no springs on or adjacent to the mining operation.
<b>Streams</b>	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.
<b>Wells</b>	There are no active wells on or adjacent to the mining operation.
<b>UPDES</b>	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 4th Quarter 2008. No flow was reported for any of the outfalls during this period.

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

Not applicable

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

UPDES There was no discharge at any of the outfalls.

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.

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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January 12, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor *JS 01/13/10*

FROM: Kevin Lundmark, Environmental Scientist II *KLW*

RE: 2009 1st Quarter Water Monitoring, Star Point Refuse, Sunnyside Cogeneration Associates (SCA), C/007/0042-WQ09-1, Task ID #3242

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.

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

- |                |   |
|----------------|---|
| <b>Springs</b> | There are no springs on or adjacent to the mining operation.  |
| <b>Streams</b> | 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.  |
| <b>Wells</b>   | There are no active wells on or adjacent to the mining operation.   |
| <b>UPDES</b>   | 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 1st Quarter 2009. No flow was reported for any of the outfalls during this period.

2. **Were all required parameters reported for each site?** YES [ ] NO [ ]  
Not applicable
3. **Were any irregularities found in the data?** YES [ ] NO [X]  
UPDES There was no discharge at any of the outfalls.
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.

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

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January 12, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor *JS 01/13/10*

FROM: Kevin Lundmark, Environmental Scientist II *KWZ*

RE: 2009 2nd Quarter Water Monitoring, Star Point Refuse, Sunnyside Cogeneration Associates (SCA), C/007/0042-WQ09-2, Task ID #3328

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.

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

<b>Springs</b>	There are no springs on or adjacent to the mining operation.
<b>Streams</b>	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.
<b>Wells</b>	There are no active wells on or adjacent to the mining operation.
<b>UPDES</b>	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 2nd Quarter 2009. No flow was reported for any of the outfalls during this period.

2. **Were all required parameters reported for each site?** YES [ ] NO [ ]  
Not applicable
3. **Were any irregularities found in the data?** YES [ ] NO [X]  
UPDES There was no discharge at any of the outfalls.
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.