2006 Annual Report

Sunnyside Cogeneration Associates
Sunnyside Refuse and Slurry
C/007/035

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- ❑ Confidential
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Refer to Record No 0016 Date 03/28/07
In C/007/035, 2007, Incoming
For additional information

SUNNYSIDE COGENERATION ASSOCIATES
SUNNYSIDE REFUSE/SLURRY
C/007/035
2006 ANNUAL REPORT

Submitted to:

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

SUNNYSIDE COGENERATION ASSOCIATES

SUNNYSIDE REFUSE/SLURRY
2006 ANNUAL REPORT

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I. GENERAL PERMIT INFORMATION

Permit Number: C/007/035

Mine Name: Sunnyside Refuse/Slurry

Permittee: Sunnyside Cogeneration Associates

Company Representative & Resident Agent:
Mr. Michael J. Blakey
One Power Plant Road
PO Box 159
Sunnyside, UT 84539
(435) 888-4476
(435) 888-2538 fax

Date of Initial Permanent Program Permit: February 4, 1993

Date of Most Recent Permit Renewal: February 4, 2003

Date of Expiration: February 4, 2008

II. IDENTIFICATION OF OTHER PERMITS

MSHA ID Numbers:	Sunnyside Waste Coal Site	42-02093
	Coarse Refuse Pile	1211-UT-09-02093-01
	East Slurry Cell	1211-UT-09-02093-02
	Excess Spoil Disposal Area #1	1211-UT-09-02093-04
	Excess Spoil Disposal Area #2	1211-UT-09-02093-05

UPDES Permit Number: UT0024759 Renewed effective August 1, 1992
Expires July 31, 2007

SCA will be seeking renewal of the UPDES permit in 2007.

Air Quality Title V Operating Permit: #700030001

Sunnyside's Operating permit was modified effective March 13, 2006 (DAQE-AN0096020-06) to add some equipment to the power plant. Most of the emissions are associated with the power plant adjacent to the SCA Sunnyside mining permit area. The mining operation generates little to no emissions. However the Operating Permit covers all of SCA's operations in Sunnyside.

SCA is working on the upcoming renew of the Title V permit and expects the renewed permit in late 2007.

III. CERTIFIED REPORTS

Each impoundment as well as the Refuse Pile and Excess Spoil Disposal Areas were inspected in accordance with the requirements of the Mining and Reclamation Permit. The quarterly and annual inspection / certification reports were submitted to the Division throughout the year. These reports are also included in **Appendix A**.

All of the impoundments met or exceeded the storage capacity requirements identified in the permit. No discharges occurred from any of the impoundments during 2006.

All of the spoils materials and coal reject materials generated during 2006 were placed in the Excess Spoil Disposal Area #1. Construction is progressing in general conformance with design requirements as currently approved.

No new material was placed in the Excess Spoil Disposal Area #2 in 2006. SCA is currently in the process of amending the permit to allow for storm water drainage that was previously treated in the Clear Water Pond to be conveyed to an enlarged Pasture Pond. This change in drainage was anticipated with the original approval of the Excess Spoil Disposal Area #2. Upon completion of the amendment, SCA will be in a position to continue placement of material in the Excess Spoil Disposal Area #2. SCA gathered soil samples from the Excess Spoil Disposal Area #2 near the end of 2005. Test results were submitted with the inspection report for the 2nd quarter of 2006.

Excavation of Coarse and Fine Refuse from the Refuse Pile occurred in general conformance with the operational criteria and performance standards established in the permit.

IV. REPORTING OF OTHER TECHNICAL DATA

1. Climatological Data

SCA has obtained precipitation and climatological data for 2006 from the Sunnyside Weather Station operated by the City of Sunnyside. A summary table identifying this data is included in **Appendix B-1.**

2. Subsidence Monitoring Data

No subsidence monitoring is required by the approved plan. No material damage or diminution within the Permit Area will be caused by subsidence because no underground coal resources are available within the permit area that would cause subsidence. No past or future underground coal mining operations have or are likely to occur within the SCA Permit Area.

3. Vegetation Monitoring Data

During 2006, no new areas received final reclamation treatment.

SCA performed quantitative sampling of the Old Coarse Refuse Road that was reclaimed in 1994. This sampling was conducted with the anticipation that SCA could submit an application for Phase III Bond Release with the 2006 data set being used as "Year 1" of the two consecutive years of vegetation monitoring necessary to apply for bond release.

The report prepared to document this revegetation monitoring is included in **Appendix B-2.** This report notes the following concerning the revegetation success:

- Total Living Cover was estimated at 49.10% with Forbs (1.69%) Shrubs (54.84%) and grasses (43.47%) as the dominant life forms.
- The dominant plant species in the total living cover were four-wing salt bush (*Atriplex canescens*), cheatgrass (*Bromus tectorum),* western wheatgrass (*Elymus smithii*), shadscale (*A. confertifolia*) and winterfat (*Ceratoides lanata*).
- The total density of the woody plant species for the reclaimed road was estimated at 3,592 plants per acre. The most common shrubs in this measure were four-wing saltbush, winterfat (*Ceratoides lanata*), shadscale (*Atriplex confertifolia*), and mat saltbush (*Atriplex corrugata*).
- The Atriplex/Grass Reference Area, had a total living cover of 29.75%. Grasses dominated this site and comprised 55.90% of the living cover, whereas, the shrubs proportion was 39.34% and forbs 4.71%.

- The total woody species density for the reference area was estimated at 1,761 plants per acre, dominated by shadscale.
- Statistical comparison (Student's t-tests) between the reclaimed Old Coarse Refuse Road and the Atriplex/Grass Reference area suggested that the reclaimed road was significantly greater than the reference area. MacArthur's Index suggested that the reclaimed road had greater species diversity than the reference area.
- Year 1 sampling results for total living cover, woody species density, and diversity all suggest that the reclaimed road has established an adequate plant community to be considered for final bond release.

Interim reseeding has been performed in previous years on several areas throughout the permit site. This interim seeding was accomplished using the approved interim seed mix included in the permit. Photos of some of these areas were taken to document the revegetation progress and are included at the end of **Appendix B-2**. These photos include areas such as:

- North face of the upper lifts of the Coarse Refuse Pile
- East Embankment of the East Slurry Cell
- Reclamation Borrow Area and Topsoil Piles
- Railcut Topsoil Piles

Other areas previously reseeded with the interim revegetation seed mix (such as topsoil stockpiles, borrow areas and other minor erosion repairs) have been periodically checked by SCA and appear to have vegetative growth similar to the surrounding area.

4. Raptor Surveys

Discussions were held in 1998 with the Division concerning whether or not raptor surveys would be needed. Both the permittee and the Division have agreed that, considering the location of the permit site and the ongoing nature of SCA's activities, it is highly unlikely that the mining and reclamation activities of SCA would negatively affect raptor nesting sites. Therefore, raptor studies would have little value and are not required by the approved permit. Hence, no raptor studies have been performed.

5. Water Monitoring Data

As required in the approved plan, SCA performed quarterly water monitoring at the specified surface and ground water monitoring locations. These sites were analyzed according to the Operational Water Quality Monitoring Parameters listed in the approved

plan (Appendix 7-8). The results of these analyses indicate that the water quality has remained in general similarity to that observed during the Baseline Monitoring Period of June 1993-1995. A summary of the operational water quality data obtained during the 1996-2002 period is included in the approved permit as Appendix 7-10.

The water data from each of the quarterly monitoring periods was submitted to the Division throughout the year. An additional copy of the data has been included in **Appendix B-3** of this report.

6. Geological / Geophysical Data

No periodic Geological / Geophysical monitoring is required in the approved plan. The data included as resource information in the plan is considered adequate for the operations of SCA. In the event that the operations of SCA change dramatically such that additional geologic or geophysical data becomes necessary, additional analysis will be performed at that time.

7. Engineering Data

a. Refuse Excavation

During 2006, SCA excavated 302,509 tons from the Sunnyside permit area. Of that, 64,095 tons was rejected to the Excess Spoil Disposal Area #1. The Sunnyside facility also received 225,096 tons from the Star Point facility; 1,074 tons of alternative fuel was received from a site in Ironton, Utah; and 31,491 tons from other offsite sources.

b. Excess Spoils Disposal Area #1

Placement and compaction of fill material occurred throughout 2006. Materials placed in the disposal area consist mostly of coarse refuse rejects, but also include some general spoils material. Approximately 64,095 tons of material were placed in this disposal area during 2006. (1^{st} qtr – 19,980 tons, 2^{nd} qtr – 14,073 tons, 3^{rd} qtr – 16,662 tons, 4^{th} qtr 13,380 tons). Samples were taken at the end of 2006. Results of the analytical testing will be provided with upcoming quarterly reports.

c. Excess Spoil Disposal Area #2

No new construction of the Excess Spoil Disposal Area #2 occurred in 2006. SCA gathered soil samples from the Excess Spoil Area #2 near the end of 2005. Test results were submitted with the inspection report for the 2nd quarter of 2006.

Inspections of the spoils areas are conducted on a quarterly basis. Reports from these site visits are submitted to the Division throughout the year and have been included in this report with the certified reports. Photographs documenting the spoils areas are included with the corresponding report.

8. Soils Monitoring Data

No periodic soil monitoring is required by the approved plan. The approved borrow areas reserved for reclamation activities have previously undergone soils studies from which the data is included in Chapter 2 of the Permit.

In the event that SCA determines it necessary to utilize soils from other sources for reclamation, the proper analysis will be performed at that time.

9. Other Data

No additional periodic data is required in the approved plan.

V. LEGAL, FINANCIAL, COMPLIANCE & RELATED INFORMATION

Sunnyside Cogeneration Associates is a joint venture between Sunnyside Holdings I, Inc. and Sunnyside II, L.P. **Appendix C** includes copies of the Certificates of Existence for Sunnyside Cogeneration Associates, Sunnyside Holdings I. Inc. and Sunnyside II, L.P. The Utah Department of Commerce, Division of Corporations and Commercial Code issues these certificates. They demonstrate that the entities are in good standing with the State of Utah.

VI. MINE MAPS

The mine map included in **Appendix D** of this report provides a photographic update to the surface configuration of the refuse area being excavated. This refuse is then utilized as fuel for the adjacent Cogeneration Facility. The aerial survey used to generate contours of the site was performed in March 2001. The mining areas, which were active during the past year, have been identified on the map. A field survey was conducted in March 2004 to determine the current surface of the refuse pile. These survey points are shown on the mine map. A recent photograph of the active mining area has been added to the map to show current conditions.

Mining activity proposed for the next five years is projected to occur in conformance with the mining plan shown on the PE Certified drawings approved in the Mining and Reclamation Permit.

APPENDIX A
CERTIFIED REPORTS

APPENDIX A
CERTIFIED REPORTS

FIRST QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

April 17, 2006

Pam Grubaugh-Littig
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: First Quarter 2006 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Pam:

Please find enclosed a copy of the First Quarter 2006 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas. The inspection was performed by a qualified SCA employee and certified by a professional engineer from Twin Peaks Engineering.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

Enclosure

c.c. Robert Escalante
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.9 acre-feet
Maximum Sediment Depth Elevation = 6527
Existing Sediment Elevation = 6523+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6530.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Pond was essentially empty.

No structure or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Net **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

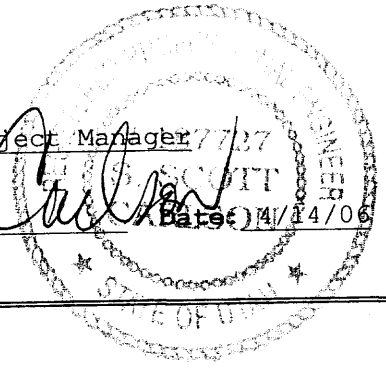
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 04/14/06

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6209
Estimated Existing Sediment Elevation = 6207+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07
Maximum Sediment Depth Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. Pond was essentially empty.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E. Senior Project Manager

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 0.9 acre-feet
Maximum Sediment Depth Elevation = 6394.75
Estimated Existing Sediment Elevation = 6394+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, Pond was essentially empty. inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Ady **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

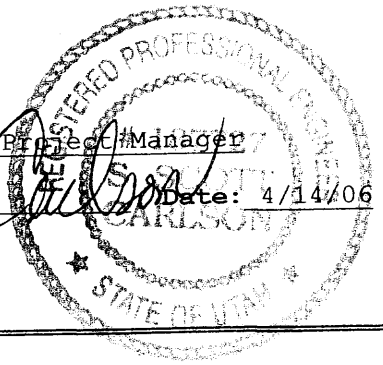
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E. Senior Project Manager

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.0 acre-feet
Maximum Sediment Depth Elevation = 6485.5
Estimated Existing Sediment Elevation = 6484+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in the bottom.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

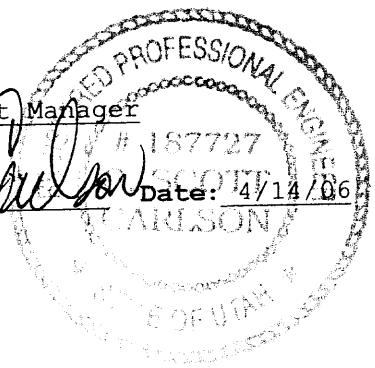
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson - Senior Project Manager

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.6 acre-feet
Maximum Sediment Depth Elevation = 6177.0
Estimated Existing Sediment Elevation = 6176+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

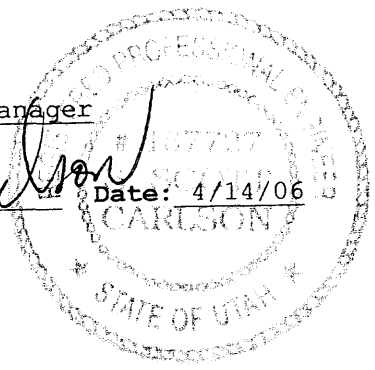
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson - Senior Project Manager

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.5 acre feet
Maximum Sediment Depth Elevation = 6476.0
Estimated Existing Sediment Elevation = 6475±

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Ady **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

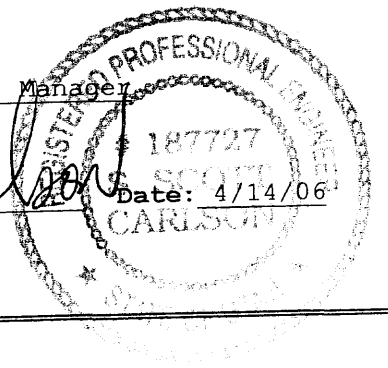
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 8.3 acre-feet
Maximum Sediment Depth Elevation = 6513.3
Estimated Existing Sediment Elevation = 6511+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E. Senior Project Manager

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 4/14/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	

IMPOUNDMENT INSPECTION

Inspection Date	March 9, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 27+- acre-feet
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. **Principle and emergency spillway elevations.**

N/A

MPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond and coal fine storage. No structural or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Netz **Date:** 4/14/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

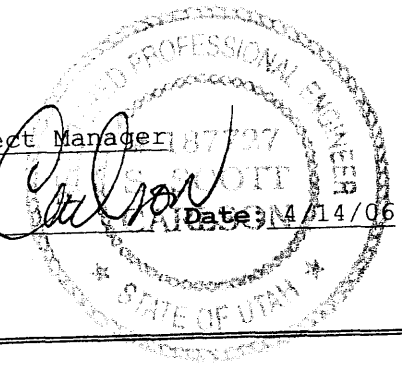
CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	**Report Date 4/14/06**
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Coarse Refuse Pile
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	March 9, 2006	
Inspected By	Rusty Netz	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2006	
	Attachments to Report? ☐ No **X** Yes	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   N/A

   Removal of Coarse and fine Refuse Material Only

SPECTION AND CERTIFIED REPORT EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

No smokers visible

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Waste Coal Removal

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT

STATE OF UTAH PROFESSIONAL ENGINEER # 187727 SCOTT CARLSON

Coarse Refuse Pile looking westerly March 9, 2006

Coarse Refuse pile looking westerly / northwesterly March 9, 2006

INSPECTION AND CERTIFIED REPORT OF EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 4/14/06**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #1	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	March 9, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2006	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

N/A

2. **Placement of underdrains and protective filter systems.**

N/A

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

Placement and compaction of fill material started again in this disposal area. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan.

Approximately 19,980 tons of material were placed during the Quarter.

NSPECTION AND CERTIFIED REPORT EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #1	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Construction in has been proceeding in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT

NSPECTION AND CERTIFIED REPORT EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2	
Permit Number	ACT/007/035	**Report Date 4/14/06**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #2	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-05	
Inspection Date	March 9, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2006	
		Attachments to Report? ☐ No ☒ Yes	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   Existing disturbed site. No topsoil removal is required by approved plan.

2. **Placement of underdrains and protective filter systems.**

   Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   No additional material was placed in this disposal area during the quarter.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #2	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Both Slurry Pond #1 and Slurry Pond #2 were approved for and have been filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2. A pile is being constructed on top of the filled ponds with gentle slopes in accordance with the currently approved plan. See attached photos.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

In accordance with the approved plan, SCA has begun removing the coal fines lining the old slurry ditch along the east side of this pile. These materials are being used in the power plant. Removal of these materials facilitates the construction of the east access road and drainage ditch shown on the approved plan.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 4/14/06

P.E. Number & State: 187727 - UT

STATE OF UTAH LICENSED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON

Excess Spoil Area # 2 Looking westerly March 9, 2006

Excess Spoil Disposal Area #2 Looking southerly March 9, 2006

APPENDIX A
CERTIFIED REPORTS

SECOND QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

July 28, 2006

Pam Grubaugh-Littig
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

RE: Second Quarter 2006 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Pam:

Please find enclosed a copy of the Second Quarter 2006 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas. The inspection was performed by a qualified SCA employee and certified by a professional engineer from Twin Peaks Engineering.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

M. Blakey

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

Enclosure

c.c. Robert Escalante
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.9 acre-feet
Maximum Sediment Depth Elevation = 6527
Existing Sediment Elevation = 6523+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6530.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Pond was essentially empty.

No structure or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Doty **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

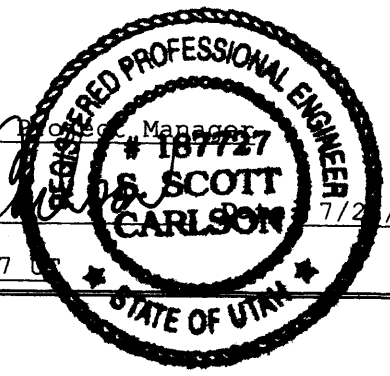
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson / Senior Project Manager
(Full Name and Title)

Signature: 7/2 /06

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6209
Estimated Existing Sediment Elevation = 6207+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07
Maximum Sediment Depth Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. Pond was essentially empty.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Ady **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

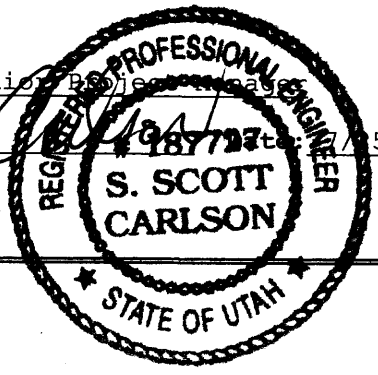
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E. Senior Project Manager

Signature: S Scott Carlson **Date:** 7/25/06

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 0.9 acre-feet
Maximum Sediment Depth Elevation = 6394.75
Estimated Existing Sediment Elevation = 6394+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, Pond was essentially empty. inlet/outlet conditions are good, No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nelly **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E. Senior Project Manager

Signature: S. Scott Carlson **Date:** 5/25/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.0 acre-feet
Maximum Sediment Depth Elevation = 6485.5
Estimated Existing Sediment Elevation = 6484+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in the bottom.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nolz **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson - Senior Project Manager

Signature: S. Scott Carlson **Date:** 7/25/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.6 acre-feet
Maximum Sediment Depth Elevation = 6177.0
Estimated Existing Sediment Elevation = 6176+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Roty **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules. **By:** S. Scott Carlson – Senior Project Manager **Signature:** S Scott Carlson 7/25/06 **P.E. Number & State:** 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT
CARLSON
STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.5 acre feet
Maximum Sediment Depth Elevation = 6476.0
Estimated Existing Sediment Elevation = 6475±

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S Scott Carlson **Date:** 7/25/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
#187727
S. SCOTT CARLSON
STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 8.3 acre-feet
Maximum Sediment Depth Elevation = 6513.3
Estimated Existing Sediment Elevation = 6511+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nelson **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

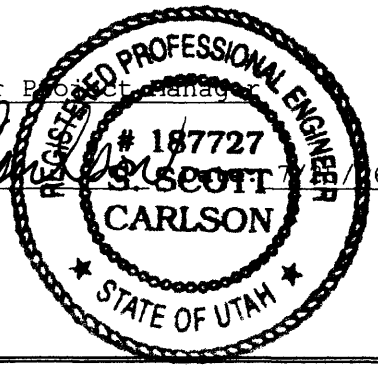
Certification Statement:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E. Senior Project Manager

Signature: S. Scott Carlson 7/18/06

P.E. Number & State: 187727 Utah



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

Permit Number	ACT/007/035	**Report Date** 7/25/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	

IMPOUNDMENT INSPECTION

Inspection Date	June 15, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 27+- acre-feet
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. **Principle and emergency spillway elevations.**

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was essentially empty.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond and coal fine storage. No structural or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Netz **Date:** 7/25/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

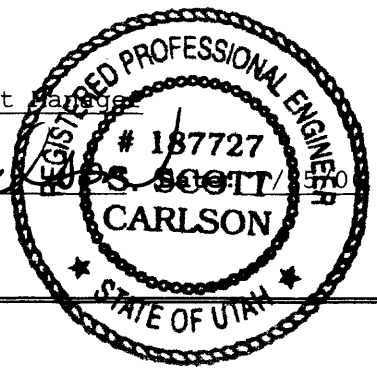
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson

P.E. Number & State: 187727 - UT



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	**Report Date 7/25/06**
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Coarse Refuse Pile
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	June 15, 2006	
Inspected By	Rusty Netz	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2006
		Attachments to Report? ☒ **No** ☐ **Yes**

Field Evaluation

1.	**Foundation preparation, including the removal of all organic material and topsoil.** N/A
2.	**Placement of underdrains and protective filter systems.** N/A
3.	**Installation of final surface drainage systems.** N/A
4.	**Placement and compaction of fill materials.** N/A Removal of Coarse and fine Refuse Material Only

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

No smokers visible

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Waste Coal Removal

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 12/28/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 7/25/06**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #1	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	June 15, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2006	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

N/A

2. **Placement of underdrains and protective filter systems.**

N/A

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

Placement and compaction of fill material occurred throughout this quarter. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan.

Approximately 14,000 tons of material were placed during the Quarter.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #1	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Construction has been proceeding in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 5/5/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2	
Permit Number	ACT/007/035	**Report Date 7/25/06**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #2	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-05	
Inspection Date	June 15, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2006	
		Attachments to Report? ☐ **No** **X** **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

Existing disturbed site. No topsoil removal is required by approved plan.

2. **Placement of underdrains and protective filter systems.**

Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

No additional material was placed in this disposal area during the quarter.

Four samples were gathered of material placed in recent quarters. Analytical results of these samples is attached.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #2	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Both Slurry Pond #1 and Slurry Pond #2 were approved for and have been filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2. A pile is being constructed on top of the filled ponds with gentle slopes in accordance with the currently approved plan. See attached photos.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 12/15/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-01B
Field Sample ID: **North**
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	5200
Magnesium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	2000
Selenium	mg/kg-dry	6/20/2006 9:53:36 PM	6020	0.50	4.0
Sodium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	470

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-02B
Field Sample ID: **South**
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:07:10 AM	60 0B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:07:10 AM	6010B	100	**1300**
Magnesium	mg/kg-dry	6/16/2006 11:07:10 AM	6010B	100	**660**
Selenium	mg/kg-dry	6/20/2006 9:59:00 PM	6020	0.50	**6.7**
Sodium	mg/kg-dry	6/16/2006 11:07:10 AM	6010B	100	**580**

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e-mail: awal@awal-labs.com

Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-03B
Field Sample ID: **East**
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	52	< 52
Calcium	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	100	**3100**
Magnesium	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	100	**1100**
Selenium	mg/kg-dry	6/20/2006 10:20:16 PM	6020	0.52	**4.2**
Sodium	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	100	**600**

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-04B
Field Sample ID: **West**
Collected: 1/19/2006 10:20:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	**4400**
Magnesium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	**970**
Selenium	mg/kg-dry	6/20/2006 10:25:41 PM	6020	0.50	**7.3**
Sodium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	**610**

ANALYTICAL REPORT

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-01A
Field Sample ID: **North**
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

Analysis Requested: USC

Result		**USC**
		% Moisture: 1.3
Uniform Soil Classification	Insufficient fines for grading	**H**

H - Sample had expired upon receipt.

ANALYTICAL REPORT

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-02A
Field Sample ID: **South**
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

Analysis Requested: USC

Result		USC
		% Moisture: 1.2
Uniform Soil Classification	Insufficient fines for grading	**H**

H - Sample had expired upon receipt.

ANALYTICAL REPORT

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-03A
Field Sample ID: **East**
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

Analysis Requested: USC

Result		**USC**
		% Moisture: 1.4
Uniform Soil Classification	GP-GC Poorly graded gravel w/ clay	**H**

H - Sample had expired upon receipt.

ANALYTICAL REPORT

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e-mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-04A
Field Sample ID: **West**
Collected: 1/19/2006 10:20:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

Analysis Requested: USC

Result		**USC**
		% Moisture: 0.8
Uniform Soil Classification	GP - Poorly graded gravel w/sand	H

H - Sample had expired upon receipt.

INORGANIC ANALYSIS REPORT

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-01
Field Sample ID: **North**
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	**920**	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.12**	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.14**	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	**8.19**	H
SAR	mg/L	6/22/2006		0.010	**0.74**	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	**970**	³ H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	**980**	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	**15**	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*
³ Analyte concentration is too high for accurate spike recovery.

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

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Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-02
Field Sample ID: **South**
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	**110**	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.027**	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.048**	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	**7.62**	H
SAR	mg/L	6/22/2006		0.010	**2.6**	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	**950**	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	**960**	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	**8.8**	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

INORGANIC ANALYSIS REPORT

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-03
Field Sample ID: **East**
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	**420**	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.12**	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.13**	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	**8.58**	H
SAR	mg/L	6/22/2006		0.010	**0.78**	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	**1600**	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	**1700**	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	**21**	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

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Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-04
Field Sample ID: West
Collected: 1/19/2006 10:20:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	590	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.050	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.056	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	7.58	H
SAR	mg/L	6/22/2006		0.010	0.55	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	50	570	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	580	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	18	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

INORGANIC ANALYSIS REPORT

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Client: Sunnyside Cogeneration Contact: Rusty Metz
Collected: January 19, 2006
Received: June 9, 2006
Analysis Method: Sobeck et al
Lab Sample Set ID: L72289
Calculated: June 27, 2006
Units = tons of CaCO3 equivalents / 1000 tons of material

Analytical Results

Lab Sample ID	Client Sample ID	Acid Generation Potential	Acid Neutralization Potential	Acid Base Account
L72289-01	North	11	200.0	**-189**
L72289-02	South	19	14	**5**
L72289-03	East	17	65	**-48**
L72289-04	West	15	82	**-67**

The laboratory is not approved by NELAC for this method.

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

APPENDIX A
CERTIFIED REPORTS

THIRD QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 20, 2006

Pam Grubaugh-Littig
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

RE: Third Quarter 2006 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Pam:

Please find enclosed a copy of the Third Quarter 2006 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas. The inspection was performed by a qualified SCA employee and certified by a professional engineer from Twin Peaks Engineering.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Robert Escalante
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.9 acre-feet
Maximum Sediment Depth Elevation = 6527
Existing Sediment Elevation = 6523+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6530.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Pond had some water in it.

No structure or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Net **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE

Signature: S. Scott Carlson **Date:** 10/11/06

P.E. Number & State: 187727 UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6209
Estimated Existing Sediment Elevation = 6207+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07
Maximum Sediment Depth Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. Pond had some water in it.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Roty **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

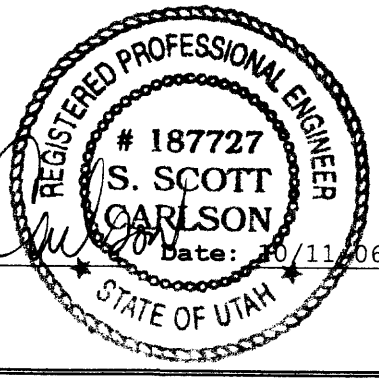
I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: S. Scott Carlson

Date: 10/11/06

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 0.9 acre-feet
Maximum Sediment Depth Elevation = 6394.75
Estimated Existing Sediment Elevation = 6394+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, Pond had some water in it. inlet/outlet conditions are good, No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nay **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: S Scott Carlson **Date:** 10/11/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.0 acre-feet
Maximum Sediment Depth Elevation = 6485.5
Estimated Existing Sediment Elevation = 6484+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE

Signature: S. Scott Carlson **Date:** 10/31/06

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.6 acre-feet
Maximum Sediment Depth Elevation = 6177.0
Estimated Existing Sediment Elevation = 6176+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Doty **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE

Signature: S. Scott Carlson **Date:** 10/11/06

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.5 acre feet
Maximum Sediment Depth Elevation = 6476.0
Estimated Existing Sediment Elevation = 6475±

3. Principle and emergency spillway elevations.

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

By: S. Scott Carlson, PE

Signature: S Scott Carlson **Date:** 10/11/06

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 8.3 acre-feet
Maximum Sediment Depth Elevation = 6513.3
Estimated Existing Sediment Elevation = 6511+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability. **Signature:** Rusty Nety **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: S. Scott Carlson **Date:** 10/11/06

P.E. Number & State: 187727 Utah

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 10/11/06	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	

IMPOUNDMENT INSPECTION

Inspection Date	September 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 27+- acre-feet
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond and coal fine storage. No structural or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Roth **Date:** 10/11/06

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

By: S. Scott Carlson, PE

Signature: S Scott Carlson **Date:** 10/11/06

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	**Report Date 10/11/06**
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Coarse Refuse Pile
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	September 19, 2006	
Inspected By	Rusty Netz	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2006
		Attachments to Report? X **No** ☐ **Yes**

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   N/A

   Removal of Coarse and fine Refuse Material Only

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

No smokers visible

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Waste Coal Removal

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

Signature: S. Scott Carlson

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

Date: 10/31/06

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 10/11/06**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #1	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	September 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2006	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

N/A

2. **Placement of underdrains and protective filter systems.**

N/A

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

Placement and compaction of fill material occurred throughout this quarter. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan.

Approximately 16,662 tons of material were placed during the Quarter.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #1	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Construction has been proceeding in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

Signature: S Scott Carlson **Date:** 10/11/06

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2	
Permit Number	ACT/007/035	**Report Date 10/11/06**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #2	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-05	
Inspection Date	September 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2006	
		Attachments to Report? ☒ **No** ☐ **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

Existing disturbed site. No topsoil removal is required by approved plan.

2. **Placement of underdrains and protective filter systems.**

Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

No additional material was placed in this disposal area during the quarter.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #2	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Both Slurry Pond #1 and Slurry Pond #2 were approved for and have been filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2. A pile is being constructed on top of the filled ponds with gentle slopes in accordance with the currently approved plan. See attached photos.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

Signature: S Scott Carlson **Date:** 10/11/06

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

APPENDIX A
CERTIFIED REPORTS

FOURTH QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 23, 2007

Pam Grubaugh-Littig
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

RE: Fourth Quarter 2006 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Pam:

Please find enclosed a copy of the Fourth Quarter 2006 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas. The inspection was performed by a qualified SCA employee and certified by a professional engineer from Twin Peaks Engineering.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Robert Escalante
Ramiro Garcia
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.9 acre-feet
Maximum Sediment Depth Elevation = 6527
Existing Sediment Elevation = 6523+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6530.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

4. **Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Pond had some water in it.

No structure or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Netz **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

By: S. Scott Carlson, PE

Signature: S. Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6209
Estimated Existing Sediment Elevation = 6207+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07
Maximum Sediment Depth Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. Pond had some water in it.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nay **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: S Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 0.9 acre-feet
Maximum Sediment Depth Elevation = 6394.75
Estimated Existing Sediment Elevation = 6394+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, Pond had some water in it. inlet/outlet conditions are good, No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nutt **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

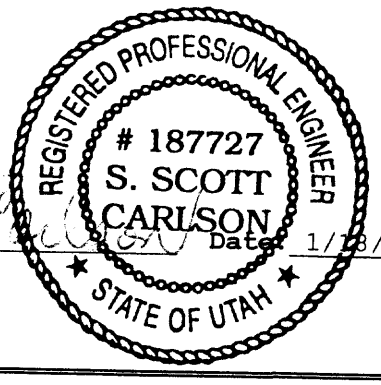
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: S. Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.0 acre-feet
Maximum Sediment Depth Elevation = 6485.5
Estimated Existing Sediment Elevation = 6484+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nelly **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson , PE

Signature: S. Scott Carlson **Date:** 8/18/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.6 acre-feet
Maximum Sediment Depth Elevation = 6177.0
Estimated Existing Sediment Elevation = 6176+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Roty **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

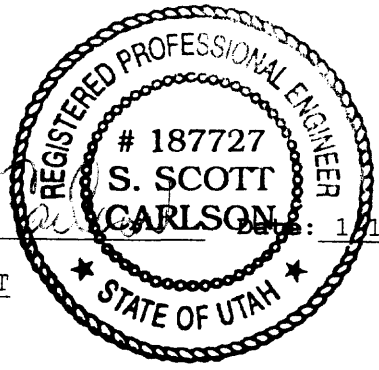
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson , PE

Signature: _____ **Date:** 1/18/07

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.5 acre feet
Maximum Sediment Depth Elevation = 6476.0
Estimated Existing Sediment Elevation = 6475±

3. Principle and emergency spillway elevations.

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE

Signature: S. Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 8.3 acre-feet
Maximum Sediment Depth Elevation = 6513.3
Estimated Existing Sediment Elevation = 6511+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nety **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: S. Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 Utah

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 27+- acre-feet
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond and coal fine storage. No structural or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nitz **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE

Signature: _____ **Date:** 1/18/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT
CARLSON
STATE OF UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	**Report Date 1/18/07**
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Coarse Refuse Pile
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	December 19, 2006	
Inspected By	Rusty Netz	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Fourth Quarter Inspection 2006
		Attachments to Report? X **No** ☐ **Yes**

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   N/A

   Removal of Coarse and fine Refuse Material Only

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

No smokers visible

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Waste Coal Removal

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

Signature: [signature] **Date:** 1/18/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 1/18/07**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #1	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Fourth Quarter Inspection 2006	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

N/A

2. **Placement of underdrains and protective filter systems.**

N/A

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

Placement and compaction of fill material occurred throughout this quarter. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan.

Approximately 13,380 tons of material were placed during the Quarter.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #1	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Construction has been proceeding in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that ~~inspections and~~ inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

Signature: S. Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2	
Permit Number	ACT/007/035	**Report Date 1/18/07**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #2	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-05	
Inspection Date	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Fourth Quarter Inspection 2006	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

Existing disturbed site. No topsoil removal is required by approved plan.

2. **Placement of underdrains and protective filter systems.**

Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

No additional material was placed in this disposal area during the quarter.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #2	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Both Slurry Pond #1 and Slurry Pond #2 were approved for and have been filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2. A pile is being constructed on top of the filled ponds with gentle slopes in accordance with the currently approved plan. See attached photos.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that ~~inspections and~~ inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

Signature: _____ **Date:** 1/18/07

P.E. Number & State: 187727 - UT

APPENDIX A
CERTIFIED REPORTS

ANNUAL INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 23, 2007

Pam Grubaugh-Littig
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

RE: Annual 2006 Inspection Report
Sunnyside Refuse and Slurry C/007/035

Dear Pam:

Please find enclosed a copy of the Annual 2006 Inspection Report for the Sunnyside refuse pile, impoundments, and excess spoil areas. The inspection was performed by a professional engineer from Twin Peaks Engineering.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Robert Escalante
Ramiro Garcia
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.9 acre-feet
Maximum Sediment Depth Elevation = 6527
Existing Sediment Elevation = 6523+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6530.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Pond had some water in it.

No structure or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and ~~inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Doty **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

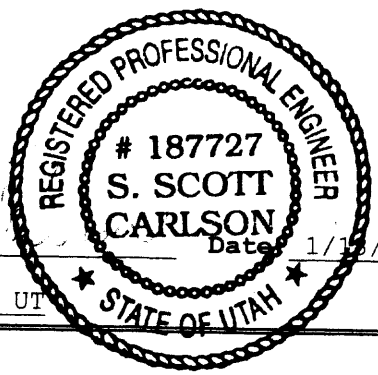
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that ~~inspections and~~ inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE

Signature: _____ **Date:** 1/12/07

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6209
Estimated Existing Sediment Elevation = 6207+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07
Maximum Sediment Depth Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. Pond had some water in it.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Doty **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

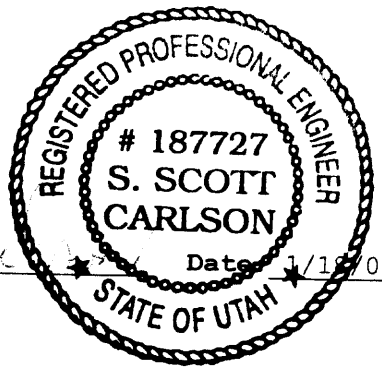
CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: S. Scott Carlson, P.E.

Signature: _____ **Date:** 1/18/07

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 0.9 acre-feet
Maximum Sediment Depth Elevation = 6394.75
Estimated Existing Sediment Elevation = 6394+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, Pond had some water in it. inlet/outlet conditions are good, No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Doty **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

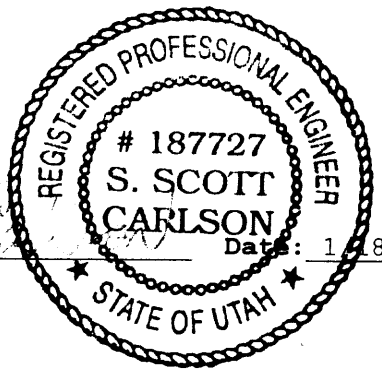
Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: _____ **Date:** 1/18/07

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.0 acre-feet
Maximum Sediment Depth Elevation = 6485.5
Estimated Existing Sediment Elevation = 6484+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Roth **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson , PE

Signature: _____ **Date:** 1/28/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 1.6 acre-feet
Maximum Sediment Depth Elevation = 6177.0
Estimated Existing Sediment Elevation = 6176+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Doty **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson , PE

Signature: S. Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.5 acre feet
Maximum Sediment Depth Elevation = 6476.0
Estimated Existing Sediment Elevation = 6475±

3. Principle and emergency spillway elevations.

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Roth **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

By: S. Scott Carlson, PE

Signature: S. Scott Carlson **Date:** 1/18/07

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 8.3 acre-feet
Maximum Sediment Depth Elevation = 6513.3
Estimated Existing Sediment Elevation = 6511+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Nutt **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, P.E.

Signature: _____ **Date:** 1/18/07

P.E. Number & State: 187727 Utah

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 1/18/07	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	

IMPOUNDMENT INSPECTION

Inspection Date	December 19, 2006
Inspected By	Rusty Netz
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 27+- acre-feet
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it.
No structural or hazardous conditions exist.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond and coal fine storage. No structural or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections ~~and inspection reports~~ are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Rusty Roth **Date:** 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE

Signature:

Date: 1/19/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	**Report Date 1/18/07**
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Coarse Refuse Pile
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	December 19, 2006	
Inspected By	Rusty Netz	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006
		Attachments to Report? ☒ **No** ☐ **Yes**

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   N/A

   Removal of Coarse and fine Refuse Material Only

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

No smokers visible

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Waste Coal Removal

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that ~~inspections and~~ inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON STATE OF UTAH

By: S. Scott Carlson, PE

Signature: _____ **Date:** 1/1[illegible]/07

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 1/18/07**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #1	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
		Attachments to Report? ☐ No **X** Yes	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

N/A

2. **Placement of underdrains and protective filter systems.**

N/A

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

Placement and compaction of fill material occurred throughout this quarter. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan.

Approximately 19,980, 14,000, 16,662, & 13,380 tons of material were placed during the 1st, 2nd, 3rd, &4th Quarters respectively.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #1	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Construction has been proceeding in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that ~~inspections and~~ inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

Signature: _____ **Date:** 1[illegible]8/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

Coarse Refuse Pile looking westerly March 9, 2006

Coarse Refuse pile looking westerly / northwesterly March 9, 2006

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2	
Permit Number	ACT/007/035	**Report Date 1/18/07**	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #2	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-05	
Inspection Date	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
		Attachments to Report? No X Yes	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

Existing disturbed site. No topsoil removal is required by approved plan.

2. **Placement of underdrains and protective filter systems.**

Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.

3. **Installation of final surface drainage systems.**

N/A

4. **Placement and compaction of fill materials.**

No additional material was placed in this disposal area during the year.

Four samples were gathered of material placed in prior quarters. Analytical results of these samples are attached.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #2	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Both Slurry Pond #1 and Slurry Pond #2 were approved for and have been filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2. A pile is being constructed on top of the filled ponds with gentle slopes in accordance with the currently approved plan. See attached photos.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

In accordance with the approved plan, SCA has removed coal fines lining the old slurry ditch along the east side of this pile. These materials were used in the power plant. Removal of these materials facilitates the construction of the east access road and drainage ditch shown on the approved plan.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that [redacted] inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE

Signature: S. Scott Carlson

Date: 1/18/07

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

Excess Spoil Area # 2 Looking westerly March 9, 2006

Excess Spoil Disposal Area #2 Looking southerly March 9, 2006

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

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e-mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-01B
Field Sample ID: **North**
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	5200
Magnesium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	2000
Selenium	mg/kg-dry	6/20/2006 9:53:36 PM	6020	0.50	4.0
Sodium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	470

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Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-02B
Field Sample ID: **South**
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:07:10 AM	6010B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:07:10 AM	6010B	100	**1300**
Magnesium	mg/kg-dry	6/16/2006 11:07:10 AM	6010B	100	**660**
Selenium	mg/kg-dry	6/20/2006 9:59:00 PM	6020	0.50	**6.7**
Sodium	mg/kg-dry	6/16/2006 11:07:10 AM	6010B	100	**580**

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

INORGANIC ANALYSIS REPORT

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Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-03B
Field Sample ID: **East**
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	52	< 52
Calcium	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	100	**3100**
Magnesium	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	100	**1100**
Selenium	mg/kg-dry	6/20/2006 10:20:16 PM	6020	0.52	**4.2**
Sodium	mg/kg-dry	6/16/2006 11:19:08 AM	6010B	100	**600**

Kyle F. Gross
Laboratory Director

Peggy McNicol
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Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-04B
Field Sample ID: West
Collected: 1/19/2006 10:20:00 AM
Received: 6/9/2006

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	**4400**
Magnesium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	**970**
Selenium	mg/kg-dry	6/20/2006 10:25:41 PM	6020	0.50	**7.3**
Sodium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	**610**

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-01A
Field Sample ID: **North**
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

Analysis Requested: USC

Result		**USC**
		% Moisture: 1.3
Uniform Soil Classification	Insufficient fines for grading	**H**

H - Sample had expired upon receipt.

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-02A
Field Sample ID: **South**
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

Analysis Requested: USC

Result		USC
		% Moisture: 1.2
Uniform Soil Classification	Insufficient fines for grading	H

H - Sample had expired upon receipt.

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-03A
Field Sample ID: **East**
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006
Analyzed: 6/15/2006

Analysis Requested: USC

Result		**USC**
		% Moisture: 1.4
Uniform Soil Classification	GP-GC Poorly graded gravel w/ clay	**H**

H - Sample had expired upon receipt.

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Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID:: D06M

Lab Sample ID: L72289-04A
Field Sample ID: **West**
Collected: 1/19/2006 10:20:00 AM
Analyzed: 6/15/2006
Received: 6/9/2006

Analysis Requested: USC

Result		USC
		% Moisture: 0.8
Uniform Soil Classification	GP - Poorly graded gravel w/sand	H

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

H - Sample had expired upon receipt.

INORGANIC ANALYSIS REPORT

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Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-01
Field Sample ID: **North**
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	**920**	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.12**	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.14**	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	**8.19**	H
SAR	mg/L	6/22/2006		0.010	**0.74**	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	**970**	[3] H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	**980**	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	**15**	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*
[3] Analyte concentration is too high for accurate spike recovery.

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

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Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-02
Field Sample ID: **South**
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	**110**	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.027**	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.048**	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	**7.62**	H
SAR	mg/L	6/22/2006		0.010	**2.6**	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	**950**	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	**960**	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	**8.8**	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

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Peggy McNicol
QA Officer

Client: Sunnyside Cogeneration
Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-03
Field Sample ID: **East**
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	**420**	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.12**	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	**0.13**	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	**8.58**	H
SAR	mg/L	6/22/2006		0.010	**0.78**	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	**1600**	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	**1700**	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	**21**	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*

INORGANIC ANALYSIS REPORT

AMERICAN WEST ANALYTICAL LABORATORIES

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Client: Sunnyside Cogeneration Contact: Rusty Metz
Project ID: D06M

Lab Sample ID: L72289-04
Field Sample ID: West
Collected: 1/19/2006 10:20:00 AM
Received: 6/9/2006

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	590	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.050	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.056	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	7.58	H
SAR	mg/L	6/22/2006		0.010	0.55	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	50	570	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	580	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	18	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

INORGANIC ANALYSIS REPORT

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Client: Sunnyside Cogeneration Contact: Rusty Metz

Collected: January 19, 2006

Received: June 9, 2006

Analysis Method: Sobeck et al

Lab Sample Set ID: L72289

Calculated: June 27, 2006

Units = tons of CaCO3 equivalents / 1000 tons of material

Analytical Results

Lab Sample ID	Client Sample ID	Acid Generation Potential	Acid Neutralization Potential	Acid Base Account
L72289-01	North	11	200.0	**-189**
L72289-02	South	19	14	**5**
L72289-03	East	17	65	**-48**
L72289-04	West	15	82	**-67**

The laboratory is not approved by NELAC for this method.

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

APPENDIX B-1
CLIMATOLOGICAL DATA

SUNNYSIDE WEATHER STATION
2006 CLIMATOLOGICAL REPORT

	January			February			March			April			May			June		
day	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip
1	42	24		43	26		48	29	0.23	48	37	0.1	69	38		81	50	
2	40	25		42	31		52	30		51	26		72	43		85	55	
3	38	23		41	20		55	34		60	35		71	46	0.03	85	57	
4	38	24		40	24		52	33		63	42		66	43		88	57	
5	31	10		36	17		54	28		61	36		59	40		88	58	
6	27	9		37	15		53	34		43	27	0.25	63	38		93	62	
7	31	9		43	19		50	35		55	28		67	42		92	62	
8	40.3	15		48	26		43	28	0.37	61	33		67	47		86	60	0.36
9	41	24		49	30		42	23		66	37		64	38		70	47	
10	33	19		49	20		34	18		66	43		63	32		78	51	
11	41	21		31	8		29	13	0.31	59	37		66	38		83	53	
12	29	10		41	16		32	20		66	43		78	45		84	56	
13	14	-2	0.34	46	23		33	16		69	40		79	51	0.04	84	52	
14	14	-2		45	22		36	14		71	40		74	54		83	65	
15	17	-2		44	25		39	28		61	38	0.5	76	55		67	52	
16	21	-4		32	8		43	20		63	36		82	54		69	45	
17	22	5		34	12		49	30		61	40		83	54		79	46	
18	24	8		35	17		47	30	0.37	44	22		82	55		87	54	
19	31	12		33	19		38	26	0.7	50	25		82	55		89	56	
20	33	5		34	12		42	21		59	31		82	53		89	57	
21	25	12		35	10		41	28		65	36		82	52		84	57	
22	32	12		39	12		47	26		72	42		81	58		85	57	
23	37	17		44	19		50	25		71	40		71	45		88	55	
24	45	25		48	22		53	30		65	34	tr	77	46		90	61	
25	40	22		51	26		59	33		60	35		82	53		90	62	
26	41	22		51	28		59	28		67	38		83	53		85	62	
27	38	21		54	30		53	27		74	45		82	61		85	56	
28	38	20		53	38		52	35		73	45		70	41		86	60	
29	38	19					45	32	0.7	66	36		60	32		87	61	
30	38	21					45	25	0.4	67	42		70	42		86	63	
31	31	26					47	29					75	47				
Total	1010.3	450	0.34	1178	575	0	1422	828	3.08	1857	1089	0.85	2278	1451	0.07	2526	1689	0.36
AVG	32.59	14.52		42.07	20.54		45.87	26.71		61.90	36.30		73.48	46.81		84.20	56.30	
AVG DAILY	23.55			31.30			36.29			49.10			60.15			70.25		

temperature in °F
precipitation in inches

SUNNYSIDE WEATHER STATION
2006 CLIMATOLOGICAL REPORT

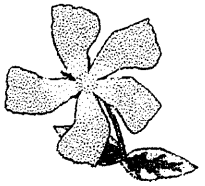
day	July			August			September			October			November			December		
	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip
1	86	67		80	52		84	54		70	51		53	26		28	9	
2	86	60		80	59		85	61		67	44		54	34		27	8	
3	84	59	0.05	75	57	0.1	83	54		64	45		55	37		27	8	
4	82	64		80	52	0.08	82	57		64	45		51	33		31	11	
5	80	60		85	58		79	56		62	51		53	34		37	17	
6	78	61	0.15	77	56	0.07	78	55		54	48	2.5	50	39		39	21	
7	81	55	0.65	81	52	0.18	73	53	0.33	58	41	0.65	59	39		44	28	
8	73	58		81	52		69	50	0.1	61	41		57	38		42	26	
9	75	59	0.2	82	59		69	47	0.63	61	39		56	38		39	21	
10	78	53	0.2	85	55		68	47	0.12	52	40		50	25		36	22	
11	81	53	0.04	85	61	0.22	75	48		58	36		44	23		37	21	
12	85	56		80	61		79	52		59	37		42	22		36	23	
13	88	57		82	56		80	53		60	38		42	29		36	25	
14	92	62		85	57		79	52	1.05	60	43	0.2	41	29		35	27	
15	93	64		84	61		65	47	0.1	57	42		39	24		35	28	
16	96	66		78	52		61	37		56	41	0.3	44	24		30	16	
17	94	71		82	57		54	30		48	32	0.8	49	29		26	17	0.17
18	92	68		85	59		59	32		43	27		54	33		31	17	
19	89	64		86	61		65	40		49	28		52	30		29	19	0.1
20	88	63		86	65		66	48		56	35		50	31		33	18	0.05
21	90	66		82	58		55	37	0.12	53	28		49	33		34	18	
22	93	65		86	63		50	34		50	29		53	36		30	21	
23	95	66		86	58		52	33		52	31		51	29		34	18	
24	96	68		85	56	0.18	58	35		54	35		48	28		39	17	
25	85	62	0.1	79	54	0.1	63	39		55	33	0.35	46	28		34	17	
26	90	62	0.45	72	53	0.15	69	41		47	25		44	27		35	23	
27	91	62		74	44		73	41		49	29		36	28	0.21	34	25	0.03
28	92	64		78	51		73	45		52	32		25	4	0.18	36	31	
29	92	64		83	52		75	47		52	34		21	7		36	25	
30	80	61		83	54		74	49		55	32		27	3		45	21	
31	76	55	0.32	83	57					54	32					37	22	
Total	2681	1915	2.16	2530	1742	1.08	2095	1374	2.45	1732	1144	4.8	1395	840	0.39	1072	620	0.35
AVG	86.48	61.77		81.61	56.19		69.83	45.80		55.87	36.90		46.50	28.00		34.58	20.00	
AVG DAILY	74.13			68.90			57.82			46.39			37.25			27.29		

AVERAGE HIGH TEMPERATURE	59.58
AVERAGE LOW TEMPERATURE	37.49
TOTAL PRECIPITATION FOR 2006	15.93
AVERAGE MONTHLY PRECIPITATION	1.33

APPENDIX B-2
VEGETATION MONITORING

VEGETATION MONITORING
FOR PHASE III BOND RELEASE: YEAR 1
AT THE
SUNNYSIDE COGENERATION FACILITY
2006

RECLAIMED OLD COARSE REFUSE ROAD
AND THE
ATRIPLEX/GRASS REFERENCE AREA



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for

SUNNYSIDE COGENERATION ASSOCIATES
#1 Power Plant Road
Sunnyside, Utah 84539

March 2007

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VEGETATION MONITORING
AT THE
SUNNYSIDE COGENERATION FACILITY
2006

INTRODUCTION

An old road has been reclaimed and seeded on the south end of the refuse pile at the Sunnyside Cogeneration Facility. To monitor the success of vegetation establishment, either quantitative or qualitative sampling of the revegetated road has been conducted during the growing seasons of 1996 through 2006. A reference area had been chosen at an earlier date to represent standards for revegetation success. This reference area was also sampled for comparisons during the same periods as the reclaimed road in some of those years.

The Reclaimed Old Coarse Refuse Road has been reclaimed long enough that the "Responsibility Period" has passed. This means that the time required for vegetation establishment on reclaimed land before an application for bond release can be initiated. Because of this the Sunnyside Cogeneration Facility could submit the application for Phase III Bond Release. Consequently, sampling in 2006 was conducted with this in mind. Because sample adequacy and statistical analyses meet the required levels, this data set can be used as "Year 1" of the two consecutive years of vegetation monitoring necessary to apply for bond release.

Like previous years this vegetation monitoring report provides a brief history of the reclamation in

this area. Sunnyside Cogeneration Associates reclaimed an existing road on the south side of an old coarse refuse pile in the summer and fall of 1994. The work entailed regrading the road and reshaping the cut-and-fill areas to approximate the contours of the surrounding slopes. A seed mixture of native plant species (or approved introduced) to the area was then planted. The plant species used in the reclamation seed mixture are shown below.

PLANT SPECIES SEEDED
SHRUBS
Four-wing saltbush (*Atriplex canescens*)
Shadscale (*Atriplex confertifolia*)
Winterfat (*Ceratoides lanata*)
Gardner saltbush (*Atriplex gardneri*)
FORBS
Lewis Flax (*Linum lewisii*)
Yellow sweetclover (*Melilotus officinalis*)
Globemallow (*Sphaeralcea grossulariifolia*)
GRASSES
Thickspike wheatgrass (*Elymus lanceolatus*)
Western wheatgrass (*Elymus smithii*)
Needle-and-thread (*Stipa comata*)
Indian ricegrass (*Stipa hymenoides*)
Squirreltail (*Sitanion hystrix*)
Slender wheatgrass (*Elymus trachycaulus*)

METHODS

Sampling methods have remained consistent for all monitoring years. For this report, the reclaimed Old Coarse Refuse Road and Atriplex/Grass Reference Area were sampled on September 12-15, 2006. Transect lines for sampling were randomly placed for the length of the reclaimed road to adequately represent the area as a whole. From these transect lines, sample locations were chosen using random numbers at right angles to them.

Cover

Cover estimates were made using ocular methods with meter square quadrats. Species composition and frequencies were also assessed from the quadrat data. The frequency values were assessed for each plant species and stated as the relative proportion of the number of times a given species was present in the quadrats. Plant nomenclature follows "A Utah Flora" (Welsh et al. 2003).

Density

Density estimates of woody plant species for the reclaimed road and reference area were made using a distance method called the point-quarter. In this method, random points were placed on the sample sites and measured into four quarters. The distances to the nearest woody plant species were then recorded in each quarter. The average point-to-individual distance was equal to the square root of the mean area per individual.

Sample Adequacy

Sample adequacy for cover and density was attempt with the goal that 90% of the samples were within 10% of the true mean for the plant communities in the area. The following formula was used:

$$nMIN = \frac{t^2 s^2}{(dx)^2}$$

where,

nMIN	= minimum adequate sample
t	= appropriate confidence t-value
s	= standard deviation
x	= sample mean
d	= desired change from mean

Diversity

Three diversity indices have been reported in this document for the reclaimed area and the reference area. To begin, **MacArthur's Diversity Index** was calculated. This index is an effective diversity measurement and is computed using the equation $1/\sum pi^2$ (MacArthur and Wilson 1976, *The Theory of Island Biogeography,* Princeton: Princeton University Press). In this equation *pi* is the proportion of sum frequency contributed by the *i*th species in the sample area of concern. The proportional contribution of each species is then squared and the values for all species in the sample areas are summed. This index integrates the number of species and the degree to which frequency of occurrence was equitably distributed among those species. In other words, this index provides greater weight to those species that are present more often (with greater frequency) than those that are merely "present" in one or two quadrats. The **average number of species** per sample quadrat is another measure of species diversity provided from the data in this report. Finally, the *total number of species present* in the sample quadrats, or "**richness**", was calculated for the sample areas.

Photographs

Color photographs were taken of the sample areas and are included in this report. All sample means, standard deviations, and raw data were also included in this report.

Raw Data

The raw cover, composition, and frequency data have been summarized on spreadsheets and have been included in the Appendix.

RESULTS

Reclaimed Road

The total living cover of the reclaimed Old Coarse Refuse Road in 2006 was 49.10% (Table 1-A). Of the living cover, 54.84% of it was comprised of shrubs, 43.47% were grasses, and 1.69% were forbs (Table 1-B). The dominant plant species in the total living cover (Table 2) were fourwing saltbush (*Atriplex canescens*), cheatgrass (*Bromus tectorum*), western wheatgrass (*Elymus smithii*), shadscale (*Atriplex confertifolia*), and winterfat (*Ceratoides lanata*).

The total woody species density for the reclaimed road was estimated at 3,592 plants per acre (Table 3). The most common shrubs in this measurement were fourwing saltbush, shadscale,

winterfat, and mat saltbush (*Atriplex corrugata*).

Reference Area

The total living cover for the Atriplex/Grass reference area was 29.75% (Table 4-A). Grasses dominated the living cover in the reference area comprising 55.90%; shrubs comprised 39.34%, and forbs 4.71% (Table 4-B). The dominant plants by cover and frequency for the reference area were shadscale, Salina wildrye (*Elymus salinus*), and cheatgrass (Table 5).

The total woody species density for the area was estimated at 1,761 plants per acre (Table 6) and was dominated by shadscale by a wide margin and followed by broom snakeweed (*Gutierrezia sarothrae*).

Comparisons Between Areas

Statistical analyses using Student's t-tests were employed to compare the total living cover and woody species density of the reclaimed road with the reference area. This comparison analysis is often used when submitting an application for Phase III Bond Release. For total living cover and woody species density, Student's t-tests suggested that the reclaimed road was significantly greater than the reference area (Table 7). Diversity indices of the reclaimed road were also compared with the reference area and have been discussed below.

DISCUSSION & SUMMARY

According to the results of sampling the vegetation in 2006, the reclaimed refuse road at the Sunnyside Cogeneration Facility could soon be considered for final (or Phase III) bond release. The results herein could be considered for **Year 1** of the two consecutive years required for the application to the State of Utah, Division of Oil, Gas & Mining (DOGM) for the bond release.

FIG. 1. Diversity in the Sunnyside Cogeneration Area (2006).

A.
MacArthur's Index ($1/\sum pi^2$) =
Reclaimed Road: 6.778
Reference Area: 4.090

B.
Average No. Species/Quadrat =
Reclaimed Road: 2.70
Reference Area: 1.83

C.
Richness =
Reclaimed Road: 16.0
Reference Area: 11.0

In summary, sample adequacy required for final bond release (90% ± 0.10) was achieved in all sample areas. As such, the reclaimed road had a total living cover and woody species density that were significantly greater than the reference area which was chosen to represent final revegetation success standards. Additionally, diversity indices were compared between the two areas. McArthur's Index suggested the reclaimed road had greater species diversity than the reference area (Fig. 1-A). The average number of species per quadrat, another diversity measurement, was also greater in the reclaimed road than the reference area (Fig. 1-B). Finally, species richness, or the total number of species encountered in the sample quadrats of each area, was also greater for the reclaimed road (Fig. 1-C).

Year 1 sampling results for total living cover, woody species density, and diversity all suggest that the reclaimed road has established an adequate plant community to be considered for final bond

release. Vegetation sampling for Year 2, for the second of the two consecutive years required for final bond release, should be accomplished in the growing season of 2007.

TABLE 1: Total cover and composition summary for the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility (2006).

A. TOTAL COVER	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE
Living Cover	49.10*	13.44	50
Litter	10.70	4.90	50
Bareground	18.80	7.65	50
Rock	21.40	13.49	50
B. COMPOSITION			
Shrubs	54.84	28.31	50
Forbs	1.69	5.80	50
Grasses	43.47	28.81	50

Sample Adequacy:
$\bar{x}$ = 49.10*
s = 13.44
n = 50
nMIN = 20

TABLE 2: Species cover and frequency summary for the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility (2006).

SPECIES	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE	RELATIVE FREQUENCY
TREES & SHRUBS				
Atriplex canescens	15.50	17.70	50	60.00
Atriplex confertifolia	3.90	8.44	50	20.00
Atriplex corrugata	2.00	7.68	50	12.00
Atriplex gardneri	1.70	6.75	50	8.00
Ceratoides lanata	3.50	10.92	50	14.00
Chrysothamnus nauseosus	1.30	6.39	50	2.00
FORBS				
Machaeranthera grindelioides	0.30	1.19	50	6.00
Salsola pestifer	0.20	1.40	50	2.00
Sisymbrium altissimum	0.20	1.40	50	2.00
GRASSES				
Agropyron cristatum	0.30	2.10	50	2.00
Bromus tectorum	8.60	7.49	50	68.00
Elymus lanceolatus	2.80	5.21	50	28.00
Elymus salinus	0.20	0.98	50	4.00
Elymus smithii	5.50	12.34	50	26.00
Hilaria jamesii	0.20	1.40	50	2.00
Stipa hymenoides	2.90	8.31	50	14.00

TABLE 3: Woody species densities of the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility (2006).

	NUMBER/ACRE
Atriplex canescens	1930.66
Atriplex confertifolia	754.30
Atriplex corrugata	296.33
Atriplex gardneri	125.72
Ceratoides lanata	296.33
Chrysothamnus nauseosus	116.74
Gutierrezia sarothrae	71.84
TOTAL	3591.92*

Sample Adequacy:
$\bar{x}$ = 3591.92*
s = 1627.14
n = 100
nMIN = 56

TABLE 4: Total cover and composition summary for the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility (2006).

A. TOTAL COVER	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE
Living Cover	29.75*	9.93	40
Litter	12.80	6.67	40
Bareground	14.00	13.24	40
Rock	43.45	13.16	40
B. COMPOSITION			
Shrubs	39.34	35.84	40
Forbs	4.71	18.39	40
Grasses	55.90	37.85	40

Sample Adequacy:
$\bar{x}$ = 29.75*
s = 9.93
n = 40
nMIN = 30

TABLE 5: Species cover and frequency summary for the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility (2006).

SPECIES	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE	RELATIVE FREQUENCY
TREES & SHRUBS				
Atriplex confertifolia	10.75	12.38	40	57.50
Chrysothamnus nauseosus	0.50	3.12	40	2.50
Gutierrezia sarothrae	1.13	3.62	40	10.00
Juniperus osteosperma	0.13	0.78	40	2.50
FORBS				
Halogeton glomeratus	0.38	2.34	40	2.50
Malcomia africana	0.25	1.56	40	2.50
Sisymbrium altissimum	0.75	4.68	40	2.50
GRASSES				
Bromus tectorum	4.50	7.48	40	32.50
Elymus salinus	9.75	10.30	40	60.00
Hilaria jamesii	0.50	2.18	40	5.00
Stipa hymenoides	1.13	4.94	40	5.00

TABLE 6: Woody species densities of the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility (2006).

	NUMBER/ACRE
Atriplex confertifolia	1520.80
Atriplex gardneri	8.00
Artemisia tridentata	12.01
Chrysothamnus nauseosus	32.02
Eriogonum corymbosum	4.00
Gutierrezia sarothrae	176.09
Juniperus osteosperma	8.00
TOTAL	1760.92*

Sample Adequacy:
$\bar{x}$ = 1760.92*
s = 1089.24
n = 110
nMIN = 104

TABLE 7: Statistical summary sheet for the reclaimed road and reference areas at the Sunnyside Cogeneration Facility (2005).

RECLAIMED ROAD			
Total Living Cover	$\bar{x}$=49.10	s=13.44	n=50
Density	$\bar{x}$=3591.92	s=1627.14	n=100
REFERENCE AREA			
Total Living Cover	$\bar{x}$=29.75	s=9.93	n=40
Density	$\bar{x}$=1760.92	s=1089.24	n=110
STATISTICAL ANALYSES			
Total Living Cover	t=7.594	df=88	SL=p<.001
Density	t=9.660	df=208	SL=p<.001

$\bar{x}$= sample mean, s = sample standard deviation, n = sample size,
NS = nonsignificant, t = Student's t-value, df = degrees of freedom,
SL = significance level, p = probability level

COLOR PHOTOGRAPHS
OF THE
SAMPLE AREAS

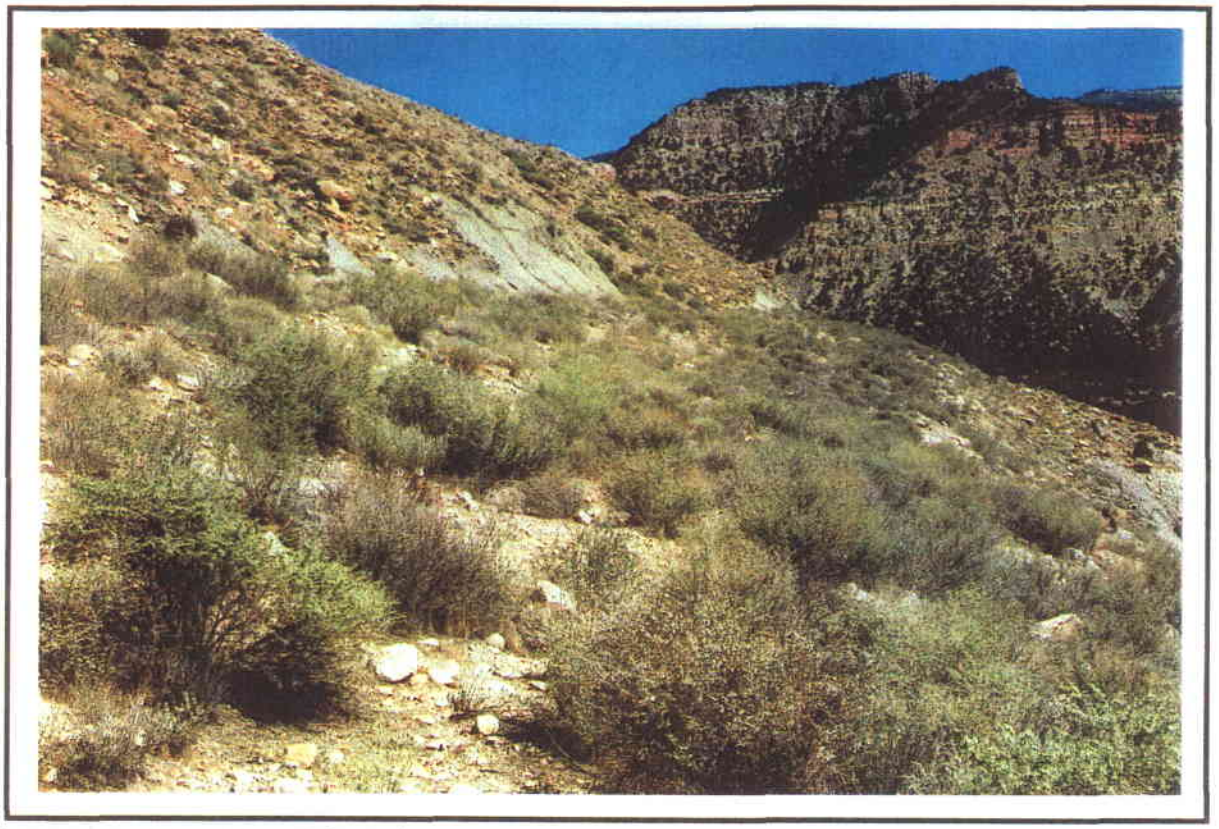


FIG 2: Reclaimed Road (1 of 2)

FIG 3: Reclaimed Road (2 of 2)

FIG 4: Reference Area (1 of 2)

FIG 5: Reference Area (2 of 2)

APPENDIX

(Raw Data)

SUNNYSIDE CO-GENERATION
Reclaimed Road
Exposure: Variable
Slope: Variable

Sample Date: 12 Sept 2006	1.00	2.00	3.00	4.00	5.00	6.00	7.00
TREES & SHRUBS							
Atriplex canescens	10.00	60.00	35.00	0.00	25.00	10.00	0.00
Atriplex confertifolia	20.00	0.00	0.00	0.00	0.00	0.00	20.00
Atriplex corrugata	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Atriplex gardneri	0.00	0.00	0.00	40.00	0.00	0.00	0.00
Ceratoides lanata	0.00	0.00	0.00	0.00	5.00	0.00	0.00
Chrysothamnus nauseosus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FORBS							
Machaeranthera grindelioides	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Salsola pestifer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sisymbrium altissimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRASSES							
Agropyron cristatum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bromus tectorum	10.00	15.00	15.00	5.00	0.00	20.00	20.00
Elymus lanceolatus	0.00	0.00	0.00	0.00	5.00	15.00	0.00
Elymus salinas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Elymus smithii	0.00	0.00	0.00	0.00	5.00	0.00	0.00
Hilaria jamesii	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stipa hymenoides	0.00	0.00	0.00	0.00	0.00	5.00	0.00
COVER							
Total Living Cover	40.00	75.00	50.00	45.00	40.00	50.00	40.00
Litter	20.00	10.00	10.00	5.00	5.00	5.00	10.00
Bareground	15.00	5.00	30.00	30.00	35.00	25.00	35.00
Rock	25.00	10.00	10.00	20.00	20.00	20.00	15.00
% COMPOSITION							
Shrubs	75.00	80.00	70.00	88.89	75.00	20.00	50.00
Forbs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grasses	25.00	20.00	30.00	11.11	25.00	80.00	50.00

8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
15.00	40.00	45.00	5.00	5.00	0.00	10.00	30.00	0.00	35.00
0.00	0.00	0.00	0.00	20.00	25.00	0.00	0.00	35.00	0.00
0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	5.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	5.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.00	15.00	20.00	5.00	5.00	0.00	0.00	10.00	15.00	10.00
0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	5.00	0.00
0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	55.00	30.00	0.00	10.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00
35.00	55.00	65.00	30.00	30.00	50.00	65.00	70.00	55.00	65.00
25.00	20.00	10.00	10.00	10.00	20.00	10.00	20.00	10.00	10.00
20.00	10.00	15.00	10.00	30.00	20.00	15.00	5.00	25.00	15.00
20.00	15.00	10.00	50.00	30.00	10.00	10.00	5.00	10.00	10.00
42.86	72.73	69.23	16.67	83.33	70.00	15.38	42.86	63.64	61.54
0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	7.69
57.14	27.27	30.77	83.33	16.67	20.00	84.62	57.14	36.36	30.77

18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00
0.00	45.00	50.00	0.00	0.00	10.00	25.00	0.00	0.00	30.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	15.00	15.00	5.00	0.00	30.00	0.00	0.00	0.00	20.00
0.00	0.00	0.00	10.00	0.00	10.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	5.00	0.00	10.00	40.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	5.00	0.00	30.00	30.00	0.00
65.00	65.00	65.00	40.00	40.00	55.00	25.00	30.00	30.00	60.00
5.00	10.00	10.00	10.00	5.00	5.00	5.00	5.00	10.00	10.00
25.00	10.00	20.00	30.00	15.00	10.00	10.00	10.00	25.00	15.00
5.00	15.00	5.00	20.00	40.00	30.00	60.00	55.00	35.00	15.00
84.62	69.23	76.92	37.50	0.00	18.18	100.00	0.00	0.00	50.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67
15.38	30.77	23.08	62.50	100.00	81.82	0.00	100.00	100.00	33.33

28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00
0.00	0.00	35.00	0.00	55.00	20.00	0.00	20.00	0.00	25.00
0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	10.00	20.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	10.00	0.00	5.00	10.00	5.00	0.00	15.00	0.00	0.00
10.00	0.00	0.00	5.00	0.00	0.00	0.00	10.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	20.00
50.00	30.00	70.00	30.00	65.00	35.00	55.00	55.00	35.00	45.00
5.00	10.00	5.00	10.00	10.00	10.00	20.00	10.00	5.00	15.00
20.00	25.00	10.00	10.00	10.00	20.00	20.00	10.00	35.00	15.00
25.00	35.00	15.00	50.00	15.00	35.00	5.00	25.00	25.00	25.00
80.00	66.67	100.00	50.00	84.62	85.71	36.36	36.36	0.00	55.56
0.00	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	0.00
20.00	33.33	0.00	33.33	15.38	14.29	63.64	63.64	100.00	44.44

38.00	39.00	40.00	41.00	42.00	43.00	44.00	45.00	46.00	47.00
40.00	40.00	10.00	0.00	0.00	0.00	25.00	0.00	0.00	5.00
0.00	0.00	0.00	15.00	0.00	20.00	0.00	20.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	25.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00
10.00	10.00	10.00	0.00	0.00	15.00	15.00	0.00	15.00	0.00
10.00	0.00	20.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00
0.00	0.00	5.00	0.00	0.00	25.00	0.00	5.00	0.00	35.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	50.00	45.00	30.00	60.00	60.00	55.00	30.00	45.00	40.00
10.00	15.00	20.00	10.00	10.00	10.00	15.00	15.00	10.00	10.00
25.00	15.00	20.00	15.00	20.00	20.00	20.00	25.00	20.00	25.00
5.00	20.00	15.00	45.00	10.00	10.00	10.00	30.00	25.00	25.00
66.67	80.00	22.22	50.00	100.00	33.33	45.45	66.67	66.67	12.50
0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00
33.33	20.00	77.78	16.67	0.00	66.67	54.55	33.33	33.33	87.50

SUNNYSIDE CO-GENERATION
Reclaimed Road
Exposure: Variable
Slope: Variable
Sample Date: 12 Sept 2006

48.00	49.00	50.00	Mean	SDev	Freq	
						TREES & SHRUBS
10.00	0.00	5.00	15.50	17.70	60.00	*Atriplex canescens*
0.00	0.00	0.00	3.90	8.44	20.00	*Atriplex confertifolia*
0.00	0.00	0.00	2.00	7.68	12.00	*Atriplex corrugata*
10.00	25.00	10.00	1.70	6.75	8.00	*Atriplex gardneri*
10.00	0.00	0.00	3.50	10.92	14.00	*Ceratoides lanata*
0.00	30.00	0.00	1.30	6.39	2.00	*Chrysothamnus nauseosus*
						FORBS
0.00	0.00	0.00	0.30	1.19	6.00	*Machaeranthera grindelioides*
0.00	0.00	0.00	0.20	1.40	2.00	*Salsola pestifer*
0.00	0.00	0.00	0.20	1.40	2.00	*Sisymbrium altissimum*
						GRASSES
0.00	0.00	0.00	0.30	2.10	2.00	*Agropyron cristatum*
10.00	10.00	10.00	8.60	7.49	68.00	*Bromus tectorum*
10.00	0.00	20.00	2.80	5.21	28.00	*Elymus lanceolatus*
0.00	0.00	0.00	0.20	0.98	4.00	*Elymus salinas*
0.00	0.00	15.00	5.50	12.34	26.00	*Elymus smithii*
0.00	0.00	0.00	0.20	1.40	2.00	*Hilaria jamesii*
0.00	0.00	0.00	2.90	8.31	14.00	*Stipa hymenoides*
						COVER
50.00	65.00	60.00	49.10	13.44		Total Living Cover
10.00	10.00	5.00	10.70	4.90		Litter
20.00	15.00	15.00	18.80	7.65		Bareground
20.00	10.00	20.00	21.40	13.49		Rock
						% COMPOSITION
60.00	84.62	25.00	54.84	28.31		Shrubs
0.00	0.00	0.00	1.69	5.80		Forbs
40.00	15.38	75.00	43.47	28.81		Grasses

SUNNYSIDE CO-GENERATION
Atriplex Reference Area
Exposure: S & SE
Slope: 37 deg

Sample Date: 12 Sept 2006	1.00	2.00	3.00	4.00	5.00	6.00	7.00
TREES & SHRUBS							
Atriplex confertifolia	20.00	20.00	0.00	0.00	15.00	0.00	30.00
Chrysothamnus nauseosus	0.00	0.00	0.00	0.00	20.00	0.00	0.00
Gutierrezia sarothrae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juniperus osteosperma	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FORBS							
Halogeton glomeratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malcomia africana	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sisymbrium altissimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRASSES							
Bromus tectorum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Elymus salinas	10.00	0.00	25.00	0.00	0.00	25.00	10.00
Hilaria jamesii	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stipa hymenoides	0.00	0.00	0.00	25.00	0.00	0.00	0.00
COVER							
Total Living Cover	30.00	20.00	25.00	25.00	35.00	25.00	40.00
Litter	20.00	20.00	10.00	5.00	20.00	25.00	10.00
Bareground	5.00	20.00	5.00	5.00	5.00	5.00	25.00
Rock	45.00	40.00	60.00	65.00	40.00	45.00	25.00
% COMPOSITION							
Shrubs	66.67	100.00	0.00	0.00	100.00	0.00	75.00
Forbs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grasses	33.33	0.00	100.00	100.00	0.00	100.00	25.00

8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
10.00	20.00	10.00	15.00	10.00	0.00	0.00	25.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	10.00	5.00	15.00	0.00	0.00	25.00	25.00	25.00
0.00	0.00	5.00	0.00	0.00	15.00	15.00	0.00	0.00	5.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.00	20.00	25.00	25.00	25.00	15.00	15.00	50.00	25.00	30.00
35.00	10.00	10.00	15.00	10.00	10.00	10.00	5.00	10.00	10.00
10.00	10.00	40.00	10.00	10.00	25.00	20.00	10.00	10.00	10.00
35.00	60.00	25.00	50.00	55.00	50.00	55.00	35.00	55.00	50.00
50.00	100.00	40.00	80.00	40.00	0.00	0.00	50.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.00	0.00	60.00	20.00	60.00	100.00	100.00	50.00	100.00	100.00

18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00
60.00	10.00	0.00	15.00	0.00	0.00	0.00	25.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	10.00	5.00	15.00	15.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
0.00	25.00	0.00	10.00	20.00	0.00	30.00	15.00	15.00	20.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	35.00	30.00	35.00	25.00	15.00	45.00	40.00	25.00	20.00
5.00	10.00	40.00	10.00	5.00	2.00	5.00	25.00	10.00	10.00
5.00	5.00	5.00	5.00	5.00	70.00	25.00	10.00	5.00	5.00
30.00	50.00	25.00	50.00	65.00	13.00	25.00	25.00	60.00	65.00
100.00	28.57	0.00	71.43	20.00	100.00	33.33	62.50	0.00	0.00
0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	71.43	0.00	28.57	80.00	0.00	66.67	37.50	100.00	100.00

28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00
0.00	15.00	10.00	30.00	15.00	0.00	10.00	10.00	15.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	10.00	10.00	15.00	0.00	0.00	0.00	0.00	10.00
0.00	10.00	10.00	0.00	10.00	20.00	0.00	10.00	10.00	25.00
0.00	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.00	35.00	40.00	40.00	40.00	20.00	25.00	20.00	35.00	35.00
10.00	15.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
10.00	5.00	10.00	10.00	10.00	45.00	20.00	35.00	10.00	10.00
60.00	45.00	30.00	40.00	40.00	25.00	45.00	35.00	45.00	45.00
0.00	42.86	25.00	75.00	37.50	0.00	40.00	50.00	42.86	0.00
0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	28.57	0.00
100.00	57.14	75.00	25.00	62.50	100.00	0.00	50.00	28.57	100.00

SUNNYSIDE CO-GENERATION
Atriplex Reference Area
Exposure: S & SE
Slope: 37 deg
Sample Date: 12 Sept 2006

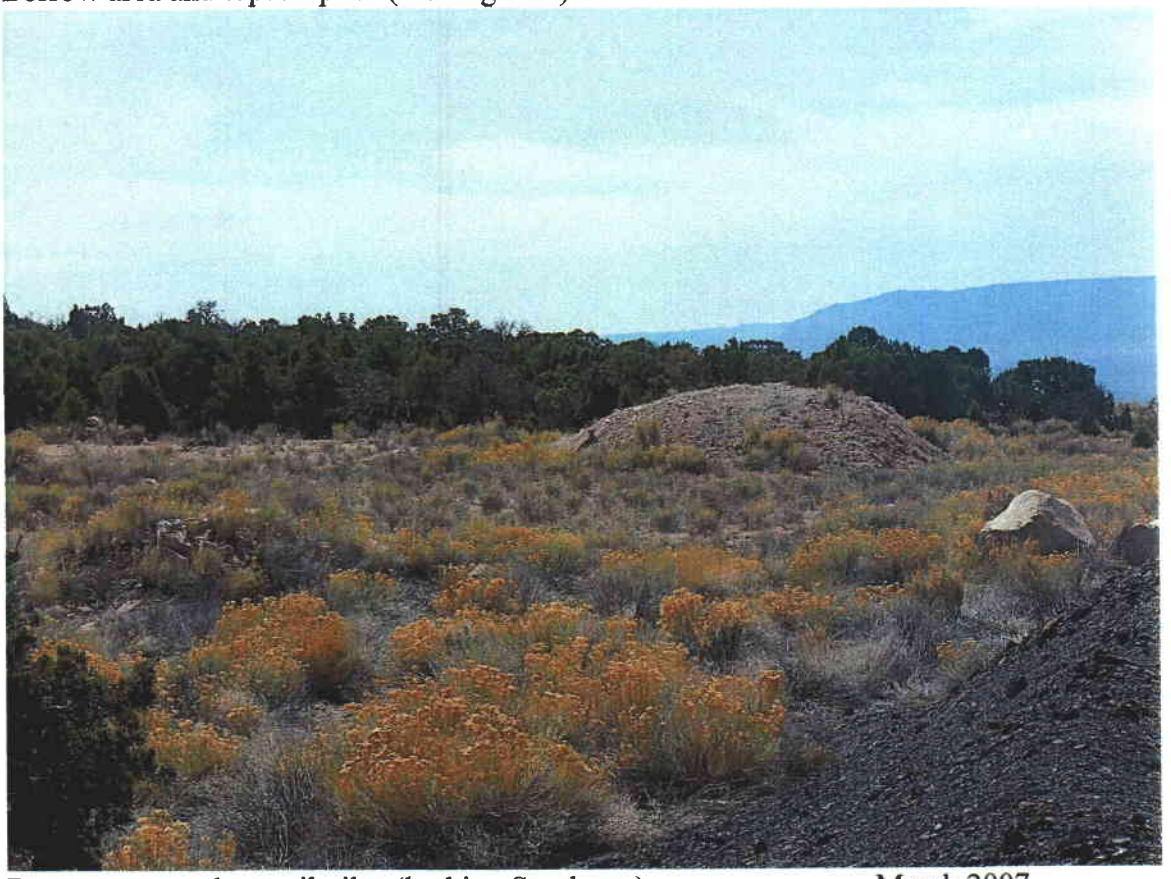
38.00	39.00	40.00	Mean	SDev	Freq	
						TREES & SHRUBS
25.00	0.00	15.00	10.75	12.38	57.50	*Atriplex confertifolia*
0.00	0.00	0.00	0.50	3.12	2.50	*Chrysothamnus nauseosus*
0.00	0.00	0.00	1.13	3.62	10.00	*Gutierrezia sarothrae*
0.00	0.00	0.00	0.13	0.78	2.50	*Juniperus osteosperma*
						FORBS
0.00	0.00	0.00	0.38	2.34	2.50	*Halogeton glomeratus*
0.00	0.00	0.00	0.25	1.56	2.50	*Malcomia africana*
0.00	0.00	0.00	0.75	4.68	2.50	*Sisymbrium altissimum*
						GRASSES
0.00	0.00	10.00	4.50	7.48	32.50	*Bromus tectorum*
0.00	40.00	10.00	9.75	10.30	60.00	*Elymus salinas*
0.00	0.00	0.00	0.50	2.18	5.00	*Hilaria jamesii*
0.00	0.00	0.00	1.13	4.94	5.00	*Stipa hymenoides*
						COVER
25.00	40.00	35.00	29.75	9.93		Total Living Cover
10.00	15.00	15.00	12.80	7.67		Litter
10.00	10.00	10.00	14.00	13.24		Bareground
55.00	35.00	40.00	43.45	13.16		Rock
						% COMPOSITION
100.00	0.00	42.86	39.34	35.84		Shrubs
0.00	0.00	0.00	4.71	18.39		Forbs
0.00	100.00	57.14	55.95	37.85		Grasses

Coarse Refuse Pile – North Face upper lifts revegetated March 2007

East Bank of East Slurry Cell March 2007

Appendix B-2 Revegetation Photos

Borrow area and topsoil piles (looking East) March 2007



Borrow area and topsoil piles (looking Southeast) March 2007

Railcut topsoil pile March 2007

APPENDIX B-3
WATER MONITORING

APPENDIX B-3
WATER MONITORING

FIRST QUARTER

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

April 19, 2006

Division of Oil, Gas & Mining
STATE OF UTAH
1594 W. North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Att: Ms. Pam Grubaugh-Littig

Subject: Quarterly Sampling Report
Monitoring Period: January, February, March 2006
DOGM Operational Water Monitoring

Dear Pam:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Robert Escalante
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: First Quarter 2006
Samples taken March 30, 2006

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	7.5	8.3	1601	8.2	20	2
Columbia Dugway Spring	F-2	4.9	8.56	1590	8.7	55	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	4.7	7.67	6730	9.2	35	2
Dragerton Well	Well-1	5.9	7.72	1438	8.3	250	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

SGS

April 12, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:ICE #1
RECEIVED 1045
SAMPLED 0900
FIELD MEASUREMENTS
FLOW 20 TEMP 7.5
COND 1601 pH 8.30
D.O. 8.2
HNO3 PRESERVED @ LAB, pH EXPIRED WHEN RECIEVED
DIS.METALS
FILTERED @ LAB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R. Netz

Date sampled March 30, 2006

Date received March 31, 2006

Analysis report no. 59-28630

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	04-06-2006 1250 CA
Alkalinity, Bicarbonate	418	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Total	418	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Anions	17.8	----	meq/l	---------	04-12-2006 0830 SJ
Calcium, Dissolved	63.90	0.03	mg/l	EPA 200.7	04-06-2006 1250 BM
Cations	17.6	----	meq/l	---------	04-12-2006 0830 SJ
Chloride	41	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Conductivity	1711	----	umhos/cm	SM2510-B	04-07-2006 0735 CA
Hardness, Total	501	----	mg/l as $CaCO_3$	SM2340-B	04-12-2006 0830 SJ
Iron, Total	0.05	0.050	mg/l	EPA 200.7	04-04-2006 1240 BM
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	04-06-2006 1250 BM
Magnesium, Dissolved	82.90	0.01	mg/l	EPA 200.7	04-06-2006 1250 BM
Manganese, Total	0.125	0.002	mg/l	EPA 200.7	04-04-2006 1240 BM
Manganese, Dissolved	0.112	0.002	mg/l	EPA 200.7	04-06-2006 1250 BM
Oil & Grease	<2	2	mg/l	EPA 413.1	04-04-2006 0800 CA
pH	8.18	----	pH units	EPA 150.1	03-31-2006 1217 CA
Potassium, Dissolved	3.99	0.14	mg/l	EPA 200.7	04-06-2006 1250 BM
Sodium, Dissolved	173.00	0.09	mg/l	EPA 200.7	04-06-2006 1250 BM
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	03-31-2006 1200 BM
Solids, Total Dissolved	1069	30	mg/l	EPA 160.1	04-03-2006 0755 CA
Solids, Total Suspended	6	5	mg/l	EPA 160.2	04-03-2006 0755 CA
Sulfate	400	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Cation/Anion Balance	-0.6	----	%		04-12-2006 0830 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

April 12, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R. Netz

Date sampled March 30, 2006

Date received March 31, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2
RECEIVED 1045
SAMPLED 0945
FIELD MEASUREMENTS
FLOW 55 TEMP 4.9
COND 1590 pH 8.56
D.O. 8.7
pH EXPIRED WHEN RECIEVED
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28629

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	04-06-2006 1250 CA
Alkalinity, Bicarbonate	451	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Total	451	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Anions	17.9	----	meq/l	---------	04-12-2006 0830 SJ
Calcium, Dissolved	84.10	0.03	mg/l	EPA 200.7	04-06-2006 1250 BM
Cations	18.7	----	meq/l	---------	04-12-2006 0830 SJ
Chloride	30	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Conductivity	1769	----	umhos/cm	SM2510-B	04-07-2006 0735 CA
Hardness, Total	590	----	mg/l as $CaCO_3$	SM2340-B	04-12-2006 0830 SJ
Iron, Total	0.20	0.050	mg/l	EPA 200.7	04-04-2006 1240 BM
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	04-06-2006 1250 BM
Magnesium, Dissolved	92.30	0.01	mg/l	EPA 200.7	04-06-2006 1250 BM
Manganese, Total	0.017	0.002	mg/l	EPA 200.7	04-04-2006 1240 BM
Manganese, Dissolved	0.012	0.002	mg/l	EPA 200.7	04-06-2006 1250 BM
Oil & Grease	<2	2	mg/l	EPA 413.1	04-04-2006 0800 CA
pH	8.34	----	pH units	EPA 150.1	03-31-2006 1216 CA
Potassium, Dissolved	3.05	0.14	mg/l	EPA 200.7	04-06-2006 1250 BM
Sodium, Dissolved	157.00	0.09	mg/l	EPA 200.7	04-06-2006 1250 BM
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	03-31-2006 1200 BM
Solids, Total Dissolved	1132	30	mg/l	EPA 160.1	04-03-2006 0755 CA
Solids, Total Suspended	12	5	mg/l	EPA 160.2	04-03-2006 0755 CA
Sulfate	388	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Cation/Anion Balance	2.1	----	%		04-12-2006 0830 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

April 12, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R. Netz

Date sampled March 30, 2006

Date received March 31, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:CRB
RECEIVED 1045
SAMPLED 0830
FIELD MEASUREMENTS
FLOW 35 TEMP 4.7
COND 6730 pH 7.67
D.O. 9.2
HNO3 PRESERVED @ LAB, pH EXPIRED WHEN RECIEVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28631

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	04-06-2006 1250 CA
Alkalinity, Bicarbonate	346	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Total	346	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Anions	76.2	----	meq/l	---------	04-12-2006 0830 SJ
Calcium, Dissolved	433.00	0.03	mg/l	EPA 200.7	04-06-2006 1250 BM
Cations	75.7	----	meq/l	---------	04-12-2006 0830 SJ
Chloride	131	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Conductivity	6180	----	umhos/cm	SM2510-B	04-07-2006 0735 CA
Hardness, Total	2621	----	mg/l as $CaCO_3$	SM2340-B	04-12-2006 0830 SJ
Iron, Total	<0.05	0.050	mg/l	EPA 200.7	04-04-2006 1240 BM
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	04-06-2006 1250 BM
Magnesium, Dissolved	374.00	0.01	mg/l	EPA 200.7	04-06-2006 1250 BM
Manganese, Total	0.037	0.002	mg/l	EPA 200.7	04-04-2006 1240 BM
Manganese, Dissolved	0.034	0.002	mg/l	EPA 200.7	04-06-2006 1250 BM
Oil & Grease	<2	2	mg/l	EPA 413.1	04-04-2006 0800 CA
pH	8.03	----	pH units	EPA 150.1	03-31-2006 1218 CA
Potassium, Dissolved	25.50	0.14	mg/l	EPA 200.7	04-06-2006 1250 BM
Sodium, Dissolved	521.00	0.09	mg/l	EPA 200.7	04-06-2006 1250 BM
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	03-31-2006 1200 BM
Solids, Total Dissolved	5476	30	mg/l	EPA 160.1	04-03-2006 0755 CA
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	04-03-2006 0755 CA
Sulfate	3152	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Cation/Anion Balance	-0.4	----	%		04-12-2006 0830 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

April 12, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R. Netz

Date sampled March 30, 2006

Date received March 31, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:Well #1
RECEIVED 1045
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 2.50 TEMP 5.9
COND 1438 pH 7.72
D.O. 8.3
HNO3 PRESERVED @ LAB, RAW BOTTLE NOT AQUIRED FROM SGS LAB, pH EXPIRED WHEN RECIEVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28628

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	10	5	mg/l as $CaCO_3$	D1067-92	04-06-2006 1250 CA
Alkalinity, Bicarbonate	398	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Alkalinity, Total	398	5	mg/l as $CaCO_3$	EPA 310.1	04-06-2006 0800 CA
Anions	16.6	----	meq/l	---------	04-12-2006 0830 SJ
Calcium, Dissolved	91.30	0.03	mg/l	EPA 200.7	04-06-2006 1250 BM
Cations	16.7	----	meq/l	---------	04-12-2006 0830 SJ
Chloride	28	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Conductivity	1565	----	umhos/cm	SM2510-B	04-07-2006 0735 CA
Hardness, Total	557	----	mg/l as $CaCO_3$	SM2340-B	04-12-2006 0830 SJ
Iron, Total	<0.05	0.050	mg/l	EPA 200.7	04-04-2006 1240 BM
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	04-06-2006 1250 BM
Magnesium, Dissolved	79.80	0.01	mg/l	EPA 200.7	04-06-2006 1250 BM
Manganese, Total	<0.002	0.002	mg/l	EPA 200.7	04-04-2006 1240 BM
Manganese, Dissolved	<0.002	0.002	mg/l	EPA 200.7	04-06-2006 1250 BM
Oil & Grease	<2	2	mg/l	EPA 413.1	04-04-2006 0800 CA
pH	7.54	----	pH units	EPA 150.1	03-31-2006 1215 CA
Potassium, Dissolved	2.98	0.14	mg/l	EPA 200.7	04-06-2006 1250 BM
Sodium, Dissolved	127.00	0.09	mg/l	EPA 200.7	04-06-2006 1250 BM
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	03-31-2006 1200 BM
Solids, Total Dissolved	1002	30	mg/l	EPA 160.1	04-03-2006 0755 CA
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	04-03-2006 0755 CA
Sulfate	376	1	mg/l	EPA 300.0	04-10-2006 1523 DI
Cation/Anion Balance	0.4	----	%		04-12-2006 0830 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc. | Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.us.sgs.com/minerals

APPENDIX B-3
WATER MONITORING

SECOND QUARTER

COPY

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

July 11, 2006

Division of Oil, Gas & Mining
STATE OF UTAH
1594 W. North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Att: Ms. Pam Grubaugh-Littig

Subject: Quarterly Sampling Report
Monitoring Period: April, May, June 2006
DOGM Operational Water Monitoring

Dear Pam:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Robert Escalante
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Second Quarter 2006
Samples taken June 13, 2006

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	12.3	8.75	1780	9.1	60	2
Columbia Dugway Spring	F-2	12.3	7.95	1150	7.9	70	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	13.3	7.43	4980	8.1	15	2
Dragerton Well	Well-1	15	7.89	690	8.1	250	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:Well #1
RECEIVED 1130
SAMPLED 0930
FIELD MEASUREMENTS
FLOW 125 TEMP 15
COND 690 pH 7.89
D.O. 8.1
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Analysis report no. 59-28810

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	06-22-2006 1130 BM
Alkalinity, Bicarbonate	380	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Total	380	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Anions	13.8	----	meq/l	---------	06-22-2006 1415 SJ
Calcium, Total	72.60	0.03	mg/l	EPA 200.7	06-19-2006 1655 DI
Calcium, Dissolved	72.60	0.03	mg/l	EPA 200.7	06-21-2006 1339 DI
Cations	14.2	----	meq/l	---------	06-22-2006 1415 SJ
Chloride	18	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Conductivity	1307	----	umhos/cm	SM2510-B	06-19-2006 0855 CA
Hardness, Total	453	----	mg/l as $CaCO_3$	SM2340-B	06-22-2006 1415 SJ
Iron, Total	0.53	0.050	mg/l	EPA 200.7	06-19-2006 1655 DI
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	06-21-2006 1339 DI
Magnesium, Total	66.50	0.01	mg/l	EPA 200.7	06-19-2006 1655 DI
Magnesium, Dissolved	66.10	0.01	mg/l	EPA 200.7	06-21-2006 1339 DI
Manganese, Total	0.017	0.002	mg/l	EPA 200.7	06-19-2006 1655 DI
Manganese, Dissolved	0.002	0.002	mg/l	EPA 200.7	06-21-2006 1339 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	06-16-2006 0640 CA
Oxygen, Dissolved	9.41	----	mg/l	EPA 360.1	06-14-2006 1410 DI
pH	7.99	----	pH units	EPA 150.1	06-14-2006 1340 DI
pH Sample Temp.	19.7	----	Deg C	EPA 150.1	06-14-2006 1340 DI
Potassium, Total	3.05	0.14	mg/l	EPA 200.7	06-19-2006 1655 DI
Potassium, Dissolved	3.05	0.14	mg/l	EPA 200.7	03-21-2006 1339 DI
Sodium, Total	116.00	0.09	mg/l	EPA 200.7	06-19-2006 1655 DI

MEMBER NCIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc. | Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.sgs.com

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:Well #1
RECEIVED 1130
SAMPLED 0930
FIELD MEASUREMENTS
FLOW 125 TEMP 15
COND 690 pH 7.89
D.O. 8.1
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28810

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
dium, Dissolved	116.00	0.09	mg/l	EPA 200.7	06-21-2006 1339 DI
lids, Settleable	<0.1	0.1	ml/l	EPA 160.5	06-14-2006 1445 DI
olids, Total Dissolved	783	30	mg/l	EPA 160.1	06-15-2006 0800 CA
Solids, Total Suspended	20	5	mg/l	EPA 160.2	06-15-2006 0800 CA
Sulfate	272	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Turbidity	9.2	1	NTU	EPA 180.1	06-15-2006 0854 CA
Cation/Anion Balance	1.5	----	%		06-22-2006 1415 SJ

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:Ice #1
RECEIVED 1130
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 60 TEMP 12.3
COND 1780 pH 8.75
D.O. 9.1
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28811

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	06-22-2006 1130 BM
Alkalinity, Bicarbonate	421	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Total	421	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Anions	17.7	----	meq/l	----------	06-22-2006 1415 SJ
Calcium, Total	68.90	0.03	mg/l	EPA 200.7	06-19-2006 1655 DI
Calcium, Dissolved	68.90	0.03	mg/l	EPA 200.7	06-21-2006 1339 DI
Cations	18.3	----	meq/l	----------	06-22-2006 1415 SJ
Chloride	32	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Conductivity	1676	----	umhos/cm	SM2510-B	06-19-2006 0855 CA
Hardness, Total	548	----	mg/l as $CaCO_3$	SM2340-B	06-22-2006 1415 SJ
Iron, Total	0.08	0.050	mg/l	EPA 200.7	06-19-2006 1655 DI
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	06-21-2006 1339 DI
Magnesium, Total	91.20	0.01	mg/l	EPA 200.7	06-19-2006 1655 DI
Magnesium, Dissolved	91.20	0.01	mg/l	EPA 200.7	06-21-2006 1339 DI
Manganese, Total	0.005	0.002	mg/l	EPA 200.7	06-19-2006 1655 DI
Manganese, Dissolved	0.002	0.002	mg/l	EPA 200.7	06-21-2006 1339 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	06-16-2006 0640 CA
Oxygen, Dissolved	9.54	----	mg/l	EPA 360.1	06-14-2006 1415 DI
pH	8.38	----	pH units	EPA 150.1	06-14-2006 1341 DI
pH Sample Temp.	19.1	----	Deg C	EPA 150.1	06-14-2006 1341 DI
Potassium, Total	3.84	0.14	mg/l	EPA 200.7	06-19-2006 1655 DI
Potassium, Dissolved	3.84	0.14	mg/l	EPA 200.7	06-21-2006 1339 DI
Sodium, Total	166.00	0.09	mg/l	EPA 200.7	06-19-2006 1655 DI

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:Ice #1
RECEIVED 1130
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 60 TEMP 12.3
COND 1780 pH 8.75
D.O. 9.1
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28811

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Sodium, Dissolved	166.00	0.09	mg/l	EPA 200.7	06-21-2006 1339 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	06-14-2006 1445 DI
Solids, Total Dissolved	1041	30	mg/l	EPA 160.1	06-15-2006 0800 CA
Solids, Total Suspended	8	5	mg/l	EPA 160.2	06-15-2006 0800 CA
Sulfate	402	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Turbidity	6.8	1	NTU	EPA 180.1	06-15-2006 0855 CA
Cation/Anion Balance	1.6	----	%		06-22-2006 1415 SJ

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:CRB
RECEIVED 1130
SAMPLED 1030
FIELD MEASUREMENTS
FLOW 15 TEMP 13.3
COND 4980 pH 7.43
D.O. 8.1
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28812

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	9	5	mg/l as $CaCO_3$	D1067-92	06-22-2006 1130 BM
Alkalinity, Bicarbonate	329	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Total	329	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Anions	85.0	----	meq/l	---------	06-22-2006 1415 SJ
Calcium, Total	487.00	0.03	mg/l	EPA 200.7	06-19-2006 1655 DI
Calcium, Dissolved	466.00	0.03	mg/l	EPA 200.7	06-21-2006 1339 DI
Cations	84.8	----	meq/l	---------	06-22-2006 1415 SJ
Chloride	142	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Conductivity	6500	----	umhos/cm	SM2510-B	06-19-2006 0855 CA
Hardness, Total	2934	----	mg/l as $CaCO_3$	SM2340-B	06-22-2006 1415 SJ
Iron, Total	0.26	0.050	mg/l	EPA 200.7	06-19-2006 1655 CA
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	06-21-2006 1339 DI
Magnesium, Total	465.00	0.01	mg/l	EPA 200.7	06-19-2006 1655 DI
Magnesium, Dissolved	430.00	0.01	mg/l	EPA 200.7	06-21-2006 1339 DI
Manganese, Total	0.106	0.002	mg/l	EPA 200.7	06-19-2006 1655 DI
Manganese, Dissolved	0.084	0.002	mg/l	EPA 200.7	06-21-2006 1339 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	06-16-2006 0640 CA
Oxygen, Dissolved	8.46	----	mg/l	EPA 360.1	06-14-2006 1420 DI
pH	7.86	----	pH units	EPA 150.1	06-14-2006 1343 DI
pH Sample Temp.	20.0	----	Deg C	EPA 150.1	06-14-2006 1343 DI
Potassium, Total	29.70	0.14	mg/l	EPA 200.7	06-19-2006 1655 DI
Potassium, Dissolved	29.70	0.14	mg/l	EPA 200.7	06-21-2006 1339 DI
Sodium, Total	598.00	0.09	mg/l	EPA 200.7	06-19-2006 1655 DI

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:CRB
RECEIVED 1130
SAMPLED 1030
FIELD MEASUREMENTS
FLOW 15 TEMP 13.3
COND 4980 pH 7.43
D.O. 8.1
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28812

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Sodium, Dissolved	584.00	0.09	mg/l	EPA 200.7	06-21-2006 1339 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	06-14-2006 1445 DI
Solids, Total Dissolved	5996	30	mg/l	EPA 160.1	06-15-2006 0800 CA
Solids, Total Suspended	5	5	mg/l	EPA 160.2	06-15-2006 0800 CA
Sulfate	3575	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Turbidity	1.2	1	NTU	EPA 180.1	06-15-2006 0856 CA
Cation/Anion Balance	-0.1	----	%		06-22-2006 1415 SJ

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2
RECEIVED 1130
SAMPLED 1120
FIELD MEASUREMENTS
FLOW 70 TEMP 13
COND 810 pH 7.95
D.O. 7.9
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Analysis report no. 59-28813

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	06-22-2006 1130 BM
Alkalinity, Bicarbonate	439	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Alkalinity, Total	439	5	mg/l as $CaCO_3$	EPA 310.1	06-20-2006 0926 CA
Anions	17.9	----	meq/l	---------	06-22-2006 1415 SJ
Calcium, Total	86.50	0.03	mg/l	EPA 200.7	06-19-2006 1655 DI
Calcium, Dissolved	83.20	0.03	mg/l	EPA 200.7	06-21-2006 1339 DI
Cations	18.6	----	meq/l	---------	06-22-2006 1415 SJ
Chloride	35	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Conductivity	1712	----	umhos/cm	SM2510-B	06-19-2006 0855 CA
Hardness, Total	580	----	mg/l as $CaCO_3$	SM2340-B	06-22-2006 1415 SJ
Iron, Total	0.42	0.050	mg/l	EPA 200.7	06-19-2006 1655 DI
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	06-21-2006 1339 DI
Magnesium, Total	93.80	0.01	mg/l	EPA 200.7	06-19-2006 1655 DI
Magnesium, Dissolved	90.50	0.01	mg/l	EPA 200.7	06-21-2006 1339 DI
Manganese, Total	0.027	0.002	mg/l	EPA 200.7	06-19-2006 1655 DI
Manganese, Dissolved	0.008	0.002	mg/l	EPA 200.7	06-21-2006 1339 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	06-16-2006 0640 CA
Oxygen, Dissolved	9.44	----	mg/l	EPA 360.1	06-14-2006 1425 DI
pH	8.31	----	pH units	EPA 150.1	06-14-2006 1346 DI
pH Sample Temp.	20.2	----	Deg C	EPA 150.1	06-14-2006 1346 DI
Potassium, Total	3.47	0.14	mg/l	EPA 200.7	06-19-2006 1655 DI
Potassium, Dissolved	3.47	0.14	mg/l	EPA 200.7	06-21-2006 1339 DI
Sodium, Total	159.00	0.09	mg/l	EPA 200.7	06-19-2006 1655 DI

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

June 22, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.N.

Date sampled June 13, 2006

Date received June 14, 2006

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2
RECEIVED 1130
SAMPLED 1120
FIELD MEASUREMENTS
FLOW 70 TEMP 13
COND 810 pH 7.95
D.O. 7.9
pH AND DISSOLVED OXYGEN EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-28813

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Sodium, Dissolved	159.00	0.09	mg/l	EPA 200.7	06-21-2006 1339 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	06-14-2006 1445 DI
Solids, Total Dissolved	1074	30	mg/l	EPA 160.1	06-15-2006 0800 CA
Solids, Total Suspended	16	5	mg/l	EPA 160.2	06-15-2006 0800 CA
Sulfate	392	1	mg/l	EPA 300.0	06-16-2006 1626 BM
Turbidity	9.3	1	NTU	EPA 180.1	06-15-2006 0857 CA
Cation/Anion Balance	1.9	----	%		06-22-2006 1415 SJ

MEMBER CIL

Respectfully submitted,
SGS NORTH AMERICA INC.

APPENDIX B-3
WATER MONITORING

THIRD QUARTER

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 13, 2006

Pam Grubaugh-Littig
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

Subject: Quarterly Sampling Report
Monitoring Period: July, August, September 2006
DOGM Operational Water Monitoring

Dear Pam:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Robert Escalante
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Third Quarter 2006
Samples taken September 25, 2006

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	8.6	8.59	1551	6.6	50	2
Columbia Dugway Spring	F-2	11	8.42	1601	9.5	65	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	9.4	8.07	5310	9.3	20	2
Dragerton Well	Well-1	11.7	7.34	1269	6.4	200	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

SGS

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:ICE-1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1020
FIELD MEASUREMENTS
FLOW 50 TEMP 8.6
COND 1551 pH 8.59
D.O. 6.6
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29245

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	10-02-2006 1100 CA
Alkalinity, Bicarbonate	404	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Carbonate	47	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Total	451	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Anions	18.7	----	meq/l	---------	10-03-2006 1000 SJ
Calcium, Dissolved	63.64	0.03	mg/l	EPA 200.7	09-29-2006 1353 DI
Cations	18.1	----	meq/l	---------	10-03-2006 1000 SJ
Chloride	38	1	mg/l	EPA 300.0	09-26-2006 2206 BM
Conductivity	1742	----	umhos/cm	SM2510-B	09-27-2006 0800 CA
Hardness, Total	556	----	mg/l as $CaCO_3$	SM2340-B	10-03-2006 1000 SJ
Iron, Total	0.17	0.050	mg/l	EPA 200.7	09-28-2006 1527 DI
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	09-29-2006 1353 DI
Magnesium, Dissolved	96.32	0.01	mg/l	EPA 200.7	09-29-2006 1353 DI
Manganese, Total	<0.002	0.002	mg/l	EPA 200.7	09-28-2006 1527 DI
Manganese, Dissolved	<0.002	0.002	mg/l	EPA 200.7	09-29-2006 1353 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2006 0830 CA
pH	8.38	----	pH units	EPA 150.1	09-26-2006 1020 BM
pH Sample Temp.	13.4	----	Deg C	EPA 150.1	09-26-2006 1015 CA
Potassium, Dissolved	2.95	0.14	mg/l	EPA 200.7	09-29-2006 1353 DI
Sodium, Dissolved	160.30	0.09	mg/l	EPA 200.7	09-29-2006 1353 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-26-2006 1115 CA
Solids, Total Dissolved	1117	30	mg/l	EPA 160.1	09-28-2006 0800 CA
Solids, Total Suspended	8	5	mg/l	EPA 160.2	09-28-2006 0800 CA
Sulfate	413	1	mg/l	EPA 300.0	09-27-2006 2204 BM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc. | Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.us.sgs.com/minerals

SGS

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:ICE-1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1020
FIELD MEASUREMENTS
FLOW 50 TEMP 8.6
COND 1551 pH 8.59
D.O. 6.6
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29245

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Cation/Anion Balance	-1.5	----	%		10-03-2006 1000 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc. | Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.us.sgs.com/minerals

SGS

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1100
FIELD MEASUREMENTS
FLOW 65 TEMP 11.0
COND 1601 pH 8.42
D.O. 9.5
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29246

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	10-02-2006 1100 CA
Alkalinity, Bicarbonate	456	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Carbonate	33	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Total	488	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Anions	19.6	----	meq/l	---------	10-03-2006 1000 SJ
Calcium, Dissolved	88.37	0.03	mg/l	EPA 200.7	09-29-2006 1353 DI
Cations	19.4	----	meq/l	---------	10-03-2006 1000 SJ
Chloride	37	1	mg/l	EPA 300.0	09-26-2006 2224 BM
Conductivity	1791	----	umhos/cm	SM2510-B	09-27-2006 0800 CA
Hardness, Total	622	----	mg/l as $CaCO_3$	SM2340-B	10-03-2006 1000 SJ
Iron, Total	0.35	0.050	mg/l	EPA 200.7	09-28-2006 1527 DI
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	09-29-2006 1353 DI
Magnesium, Dissolved	97.38	0.01	mg/l	EPA 200.7	09-29-2006 1353 DI
Manganese, Total	0.043	0.002	mg/l	EPA 200.7	09-28-2006 1527 DI
Manganese, Dissolved	0.026	0.002	mg/l	EPA 200.7	09-29-2006 1353 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2006 0830 CA
pH	8.30	----	pH units	EPA 150.1	09-26-2006 1021 BM
pH Sample Temp.	13.5	----	Deg C	EPA 150.1	09-26-2006 1015 CA
Potassium, Dissolved	3.02	0.14	mg/l	EPA 200.7	09-29-2006 1353 DI
Sodium, Dissolved	158.92	0.09	mg/l	EPA 200.7	09-29-2006 1353 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-26-2006 1115 CA
Solids, Total Dissolved	1133	30	mg/l	EPA 160.1	09-28-2006 0800 CA
Solids, Total Suspended	7	5	mg/l	EPA 160.2	09-28-2006 0800 CA
Sulfate	421	1	mg/l	EPA 300.0	09-26-2006 2224 BM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1100
FIELD MEASUREMENTS
FLOW 65 TEMP 11.0
COND 1601 pH 8.42
D.O. 9.5
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29246

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Cation/Anion Balance	-0.4	----	%		10-03-2006 1000 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:CRB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 20 TEMP 9.4
COND 5310 pH 8.07
D.O. 9.3
pH EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29244

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	10-02-2006 1100 CA
Alkalinity, Bicarbonate	383	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Total	383	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Anions	85.3	----	meq/l	---------	10-03-2006 1000 SJ
Calcium, Dissolved	456.28	0.03	mg/l	EPA 200.7	09-29-2006 1353 DI
Cations	79.9	----	meq/l	---------	10-03-2006 1000 SJ
Chloride	136	1	mg/l	EPA 300.0	09-26-2006 2147 BM
Conductivity	6205	----	umhos/cm	SM2510-B	09-27-2006 0800 CA
Hardness, Total	2794	----	mg/l as $CaCO_3$	SM2340-B	10-03-2006 1000 SJ
Iron, Total	0.46	0.050	mg/l	EPA 200.7	09-28-2006 1527 DI
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	09-29-2006 1353 DI
Magnesium, Dissolved	401.86	0.01	mg/l	EPA 200.7	09-29-2006 1353 DI
Manganese, Total	0.396	0.002	mg/l	EPA 200.7	09-28-2006 1527 DI
Manganese, Dissolved	0.320	0.002	mg/l	EPA 200.7	09-29-2006 1353 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2006 0830 CA
pH	8.00	----	pH units	EPA 150.1	09-26-2006 1020 BM
pH Sample Temp.	13.8	----	Deg C	EPA 150.1	09-26-2006 1015 CA
Potassium, Dissolved	29.34	0.14	mg/l	EPA 200.7	09-29-2006 1353 DI
Sodium, Dissolved	535.92	0.09	mg/l	EPA 200.7	09-29-2006 1353 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-26-2006 1115 CA
Solids, Total Dissolved	5876	30	mg/l	EPA 160.1	09-28-2006 0800 CA
Solids, Total Suspended	8	5	mg/l	EPA 160.2	09-28-2006 0800 CA
Sulfate	3547	1	mg/l	EPA 300.0	09-27-2006 2032 BM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:CRB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 20 TEMP 9.4
COND 5310 pH 8.07
D.O. 9.3
pH EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29244

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Cation/Anion Balance	-3.3	----	%		10-03-2006 1000 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:WELL-1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1130
FIELD MEASUREMENTS
FLOW 200 TEMP 11.7
COND 1269 pH 7.34
D.O. 6.4
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29247

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	10-02-2006 1100 CA
Alkalinity, Bicarbonate	389	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Alkalinity, Total	389	5	mg/l as $CaCO_3$	EPA 310.1	09-29-2006 1150 CA
Anions	14.7	----	meq/l	---------	10-03-2006 1000 SJ
Calcium, Dissolved	77.93	0.03	mg/l	EPA 200.7	09-29-2006 1353 DI
Cations	14.3	----	meq/l	---------	10-03-2006 1000 SJ
Chloride	28	1	mg/l	EPA 300.0	09-26-2006 2242 BM
Conductivity	1397	----	umhos/cm	SM2510-B	09-27-2006 0800 CA
Hardness, Total	468	----	mg/l as $CaCO_3$	SM2340-B	10-03-2006 1000 SJ
Iron, Total	<0.05	0.050	mg/l	EPA 200.7	09-28-2006 1527 DI
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	09-29-2006 1353 DI
Magnesium, Dissolved	66.44	0.01	mg/l	EPA 200.7	09-29-2006 1353 DI
Manganese, Total	<0.002	0.002	mg/l	EPA 200.7	09-28-2006 1527 DI
Manganese, Dissolved	<0.002	0.002	mg/l	EPA 200.7	09-29-2006 1353 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2006 0830 CA
pH	7.25	----	pH units	EPA 150.1	09-26-2006 1023 BM
pH Sample Temp.	13.6	----	Deg C	EPA 150.1	09-26-2006 1015 CA
Potassium, Dissolved	2.74	0.14	mg/l	EPA 200.7	09-29-2006 1353 DI
Sodium, Dissolved	113.11	0.09	mg/l	EPA 200.7	09-29-2006 1353 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-26-2006 1115 CA
Solids, Total Dissolved	866	30	mg/l	EPA 160.1	09-28-2006 0800 CA
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	09-28-2006 0800 CA
Sulfate	296	1	mg/l	EPA 300.0	09-26-2006 2242 BM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc. | Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.us.sgs.com/minerals

SGS

October 4, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:WELL-1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled September 25, 2006

Date received September 26, 2006

RECEIVED 1015
SAMPLED 1130
FIELD MEASUREMENTS
FLOW 200 TEMP 11.7
COND 1269 pH 7.34
D.O. 6.4
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29247

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Cation/Anion Balance	-1.3	----	%		10-03-2006 1000 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc. | Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.us.sgs.com/minerals

APPENDIX B-3
WATER MONITORING

FOURTH QUARTER

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 11, 2006

Pam Grubaugh-Littig
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114

Subject: Quarterly Sampling Report
Monitoring Period: October, November, December 2006
DOGM Operational Water Monitoring

Dear Pam:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Robert Escalante
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Fourth Quarter 2006
Samples taken November 30, 2006

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	3.1	8.6	1605	6.8	15	2
Columbia Dugway Spring	F-2	7.1	8.56	1705	9.1	25	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	9.4	NA	NA	NA	NA	2
Dragerton Well	Well-1	8.6	7.45	1255	6.8	200	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

SGS

December 13, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:ICE-1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled November 30, 2006

Date received December 1, 2006

RECEIVED 1215
SAMPLED 0900
FIELD MEASUREMENTS
FLOW 15 TEMP 3.1
COND 1605 pH 8.6
D.O. 6.8
pH And D.O. EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29570

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	12-06-2006 0735 CA
Alkalinity, Bicarbonate	577	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1409 CA
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1409 CA
Alkalinity, Total	577	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1409 CA
Anions	28.0	----	meq/l	---------	12-13-2006 1320 SJ
Calcium, Total	114.67	0.03	mg/l	EPA 200.7	12-05-2006 1416 BM
Calcium, Dissolved	114.67	0.03	mg/l	EPA 200.7	12-05-2006 1200 BM
Cations	28.2	----	meq/l	---------	12-13-2006 1320 SJ
Chloride	51	1	mg/l	EPA 300.0	12-05-2006 1552 CA
Conductivity	2285	----	umhos/cm	SM2510-B	12-05-2006 0900 BM
Hardness, Total	872	----	mg/l as $CaCO_3$	SM2340-B	12-13-2006 1320 SJ
Iron, Total	1.46	0.050	mg/l	EPA 200.7	12-05-2006 1416 BM
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	12-05-2006 1200 BM
Magnesium, Total	142.27	0.01	mg/l	EPA 200.7	12-05-2006 1416 BM
Magnesium, Dissolved	142.27	0.01	mg/l	EPA 200.7	12-05-2006 1200 BM
Manganese, Total	0.035	0.002	mg/l	EPA 200.7	12-05-2006 1416 BM
Manganese, Dissolved	0.003	0.002	mg/l	EPA 200.7	12-05-2006 1200 BM
Oil & Grease	<2	2	mg/l	EPA 413.1	12-12-2006 0800 BM
Oxygen, Dissolved	13.59	----	mg/l	EPA 360.1	12-01-2006 1310 GF
pH	7.81	----	pH units	EPA 150.1	12-01-2006 1350 GF
pH Sample Temp.	17.3	----	Deg C	EPA 150.1	12-01-2006 1350 GF
Potassium, Total	5.89	0.14	mg/l	EPA 200.7	12-05-2006 1416 BM
Potassium, Dissolved	5.34	0.14	mg/l	EPA 200.7	12-05-2006 1200 BM
Sodium, Total	244.00	0.09	mg/l	EPA 200.7	12-05-2006 1416 BM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

December 13, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:ICE-1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled November 30, 2006

Date received December 1, 2006

RECEIVED 1215
SAMPLED 0900
FIELD MEASUREMENTS
FLOW 15 TEMP 3.1
COND 1605 pH 8.6
D.O. 6.8
pH And D.O. EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29570

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Sodium, Dissolved	244.00	0.09	mg/l	EPA 200.7	12-05-2006 1200 BM
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	12-01-2006 1345 DI
Solids, Total Dissolved	1661	30	mg/l	EPA 160.1	12-04-2006 0900 BM
Solids, Total Suspended	33	5	mg/l	EPA 160.2	12-04-2006 0900 BM
Sulfate	721	1	mg/l	EPA 300.0	12-05-2006 1552 CA
Turbidity	19.7	0.1	NTU	EPA 180.1	12-01-2006 1300 DI
Cation/Anion Balance	0.3	----	%		12-13-2006 1320 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

December 13, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled November 30, 2006

Date received December 1, 2006

RECEIVED 1215
SAMPLED 0915
FIELD MEASUREMENTS
FLOW 25 TEMP 7.1
COND 1705 pH 8.56
D.O. 9.1
pH And D.O. EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29571

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	12-06-2006 0735 CA
Alkalinity, Bicarbonate	453	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1446 CA
Alkalinity, Carbonate	27	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1446 CA
Alkalinity, Total	480	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1446 CA
Anions	20.6	----	meq/l	---------	12-13-2006 1320 SJ
Calcium, Total	97.16	0.03	mg/l	EPA 200.7	12-05-2006 1416 BM
Calcium, Dissolved	97.16	0.03	mg/l	EPA 200.7	12-05-2006 1200 BM
Cations	21.0	----	meq/l	---------	12-13-2006 1320 SJ
Chloride	35	1	mg/l	EPA 300.0	12-05-2006 1611 CA
Conductivity	1744	----	umhos/cm	SM2510-B	12-05-2006 0900 BM
Hardness, Total	681	----	mg/l as $CaCO_3$	SM2340-B	12-13-2006 1320 SJ
Iron, Total	1.48	0.050	mg/l	EPA 200.7	12-05-2006 1416 BM
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	12-05-2006 1200 BM
Magnesium, Total	106.37	0.01	mg/l	EPA 200.7	12-05-2006 1416 BM
Magnesium, Dissolved	106.37	0.01	mg/l	EPA 200.7	12-05-2006 1200 BM
Manganese, Total	0.082	0.002	mg/l	EPA 200.7	12-05-2006 1416 BM
Manganese, Dissolved	0.028	0.002	mg/l	EPA 200.7	12-05-2006 1200 BM
Oil & Grease	<2	2	mg/l	EPA 413.1	12-12-2006 0800 BM
Oxygen, Dissolved	15.35	----	mg/l	EPA 360.1	12-01-2006 1310 GF
pH	8.21	----	pH units	EPA 150.1	12-01-2006 1350 GF
pH Sample Temp.	12.4	----	Deg C	EPA 150.1	12-01-2006 1350 GF
Potassium, Total	3.06	0.14	mg/l	EPA 200.7	12-05-2006 1416 BM
Potassium, Dissolved	2.97	0.14	mg/l	EPA 200.7	12-05-2006 1200 BM
Sodium, Total	170.31	0.09	mg/l	EPA 200.7	12-05-2006 1416 BM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

December 13, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled November 30, 2006

Date received December 1, 2006

RECEIVED 1215
SAMPLED 0915
FIELD MEASUREMENTS
FLOW 25 TEMP 7.1
COND 1705 pH 8.56
D.O. 9.1
pH And D.O. EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29571

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Sodium, Dissolved	168.93	0.09	mg/l	EPA 200.7	12-05-2006 1200 BM
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	12-01-2006 1345 DI
Solids, Total Dissolved	1194	30	mg/l	EPA 160.1	12-04-2006 0900 BM
Solids, Total Suspended	34	5	mg/l	EPA 160.2	12-04-2006 0900 BM
Sulfate	480	1	mg/l	EPA 300.0	12-05-2006 1611 CA
Turbidity	17.3	0.1	NTU	EPA 180.1	12-01-2006 1304 DI
Cation/Anion Balance	1.1	----	%		12-13-2006 1320 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

December 13, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:WELL 1

RECEIVED 1215
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 250 TEMP 8.6
COND 1255 pH 7.45
D.O. 6.8
pH And D.O. EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled November 30, 2006

Date received December 1, 2006

Analysis report no. 59-29572

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	12-06-2006 0735 CA
Alkalinity, Bicarbonate	243	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1453 CA
Alkalinity, Carbonate	11	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1453 CA
Alkalinity, Total	254	5	mg/l as $CaCO_3$	SM 2320 B	12-05-2006 1453 CA
Anions	6.8	----	meq/l	---------	12-13-2006 1320 SJ
Calcium, Total	47.62	0.03	mg/l	EPA 200.7	12-05-2006 1416 BM
Calcium, Dissolved	47.62	0.03	mg/l	EPA 200.7	12-05-2006 1200 BM
Cations	7.2	----	meq/l	---------	12-13-2006 1320 SJ
Chloride	5	1	mg/l	EPA 300.0	12-05-2006 1629 CA
Conductivity	612	----	umhos/cm	SM2510-B	12-05-2006 0900 BM
Hardness, Total	293	----	mg/l as $CaCO_3$	SM2340-B	12-13-2006 1320 SJ
Iron, Total	0.21	0.050	mg/l	EPA 200.7	12-05-2006 1416 BM
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	12-05-2006 1200 BM
Magnesium, Total	42.33	0.01	mg/l	EPA 200.7	12-05-2006 1416 BM
Magnesium, Dissolved	42.33	0.01	mg/l	EPA 200.7	12-05-2006 1200 BM
Manganese, Total	0.011	0.002	mg/l	EPA 200.7	12-05-2006 1416 BM
Manganese, Dissolved	0.005	0.002	mg/l	EPA 200.7	12-05-2006 1200 BM
Oil & Grease	<2	2	mg/l	EPA 413.1	12-12-2006 0800 BM
Oxygen, Dissolved	14.83	----	mg/l	EPA 360.1	12-01-2006 1310 GF
pH	8.27	----	pH units	EPA 150.1	12-01-2006 1350 GF
pH Sample Temp.	12.9	----	Deg C	EPA 150.1	12-01-2006 1350 GF
Potassium, Total	1.85	0.14	mg/l	EPA 200.7	12-05-2006 1416 BM
Potassium, Dissolved	1.69	0.14	mg/l	EPA 200.7	12-05-2006 1200 BM
Sodium, Total	28.99	0.09	mg/l	EPA 200.7	12-05-2006 1416 BM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

December 13, 2006

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:WELL 1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled November 30, 2006

Date received December 1, 2006

RECEIVED 1215
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 250 TEMP 8.6
COND 1255 pH 7.45
D.O. 6.8
pH And D.O. EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-29572

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Sodium, Dissolved	28.71	0.09	mg/l	EPA 200.7	12-05-2006 1200 BM
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	12-01-2006 1345 DI
Solids, Total Dissolved	382	30	mg/l	EPA 160.1	12-04-2006 0900 BM
Solids, Total Suspended	11	5	mg/l	EPA 160.2	12-04-2006 0900 BM
Sulfate	75	1	mg/l	EPA 300.0	12-05-2006 1629 CA
Turbidity	6.4	0.1	NTU	EPA 180.1	12-01-2006 1306 DI
Cation/Anion Balance	2.7	----	%		12-13-2006 1320 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

APPENDIX C
DEPARTMENT OF COMMERCE
CERTIFICATES OF EXISTENCE

Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web Site: http://www.commerce.utah.gov

01/22/2007
1215877-014301222007-484391

CERTIFICATE OF EXISTENCE

Registration Number:	1215877-0143
Business Name:	SUNNYSIDE HOLDINGS I, INC.
Registered Date:	December 30, 1994
Entity Type:	Corporation - Foreign - Profit
Current Status:	Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division; and, that Articles of Dissolution have not been filed.

Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Department of Commerce Business Entity Search

Help

Name	Type	City	Status
SUNNYSIDE HOLDINGS I, INC.	Corporation	Wilmington	Active

Business Name: SUNNYSIDE HOLDINGS I, INC.
Entity Number: 1215877-0143
Registration Date: 12/30/1994
State of Origin: DE

Address

103 SPRINGER BUILDING, 3411 SILVERSIDE RD
Wilmington, DE 19810

Status

Status: Active
Status Description: Good Standing
This Status Date: 03/23/2006
Last Renewed: 12/06/2006
License Type: Corporation - Foreign - Profit
Delinquent Date: 12/30/2007

Registered Agent

Registered Agent: CT CORPORATION SYSTEM
[Search BES] [Search RPS]
Address Line 1: 136 East South Temple Ste 2100
Address Line 2:
City: Salt Lake City
State: UT
Zip: 84111

Additional Information

Additional Principals: yes
NAICS Code: 5617
NAICS Title: 5617-Services to Buildings and Dwellings
Stock Class 1 Amount: 0000000000
Stock Class 2 Amount: 0000000000
Stock Class 3 Amount: 0000000000
Stock Class 4 Amount: 0000000000

With this information, you can...

Purchase Certificate of Existence

If you would like to purchase a Certificate of Existence for this business entity, select the button to the left. You will be assessed a **$ 12.00 fee** for this service. You will need Adobe Reader to view this certificate. If you do not have Adobe Reader, click on the button below and download it.

Get Adobe Reader

Access Principal Information

If you would like to receive information on the principal individuals associated with this entity, click the button on the left. You will be assessed a **$ 1.00 fee** for this information.

Back to search results | Do Another Search

Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web Site: http://www.commerce.utah.gov

01/22/2007
2113550-018101222007-484387

CERTIFICATE OF EXISTENCE

Registration Number:	2113550-0181
Business Name:	SUNNYSIDE II, L.P.
Registered Date:	December 30, 1994
Entity Type:	Limited Partnership - Foreign
Current Status:	Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division; and, that Articles of Dissolution have not been filed.

Kathy Berg

Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Department of Commerce Business Entity Search

Help

Name	Type	City	Status
SUNNYSIDE II, L.P.	Limited Partnership	Baltimore	Active

Business Name: SUNNYSIDE II, L.P.
Entity Number: 2113550-0181
Registration Date: 12/30/1994
State of Origin: DE

Address

750 E PRATT ST 5TH FLOOR
Baltimore, MD 21202

Status

Status: Active
Status Description: Good Standing
This Status Date: N/A
Last Renewed: 11/13/2006
License Type: Limited Partnership - Foreign
Delinquent Date: 12/30/2007

Registered Agent

Registered Agent: CT CORPORATION SYSTEM
[Search BES] [Search RPS]
Address Line 1: 136 East South Temple Ste 2100
Address Line 2:
City: Salt Lake City
State: UT
Zip: 84111

Additional Information

Additional Principals: N
Amendment Date: 1999-02-01
NAICS Code: 5239
NAICS Title: 5239-Other Financial Investment Activiti

With this information, you can...

Purchase Certificate of Existence

If you would like to purchase a Certificate of Existence for this business entity, select the button to the left. You will be assessed a **$ 12.00 fee** for this service. You will need Adobe Reader to view this certificate. If you do not have Adobe Reader, click on the button below and download it.

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Access Principal Information

If you would like to receive information on the principal individuals associated with this entity, click the button on the left. You will be assessed a **$ 1.00 fee** for this information.

Back to search results | Do Another Search

Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web Site: http://www.commerce.utah.gov

01/22/2007
4911242-015001222007-484383

CERTIFICATE OF EXISTENCE

Registration Number:	4911242-0150
Business Name:	SUNNYSIDE COGENERATION ASSOCIATES
Registered Date:	April 24, 2001
Entity Type:	DBA
Current Status:	Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division; and, that Articles of Dissolution have not been filed.

Kathy Berg

Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Department of Commerce Business Entity Search

Help

Name	Type	City	Status
SUNNYSIDE COGENERATION ASSOCIATES	DBA	Sunnyside	Active

Business Name: SUNNYSIDE COGENERATION ASSOCIATES
Entity Number: 4911242-0150
Registration Date: 04/24/2001
State of Origin:

Address

ONE POWER PLANT RD PO BOX 159
Sunnyside, UT 84539

Status

Status: Active
Status Description: Good Standing
This Status Date: 04/24/2001
Last Renewed: 02/24/2004
License Type: DBA
Delinquent Date: 04/24/2007

Registered Agent

Registered Agent: BRIAN W BURNETT
[Search BES] [Search RPS]
Address Line 1: 10 E SOUTH TEMPLE ST
Address Line 2: STE 900
City: Salt Lake City
State: UT
Zip: 84133

Additional Information

NAICS Code: 3132
NAICS Title: 3132-Fabric Mills

With this information, you can...

Purchase Certificate of Existence

If you would like to purchase a Certificate of Existence for this business entity, select the button to the left. You will be assessed a **$ 12.00 fee** for this service. You will need Adobe Reader to view this certificate. If you do not have Adobe Reader, click on the button below and download it.

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Access Principal Information

If you would like to receive information on the principal individuals associated with this entity, click the button on the left. You will be assessed a **$ 1.00 fee** for this information.

Back to search results | Do Another Search

APPENDIX D
MINE MAP

H:\Twin peaks_Sunnyside-Starpoint\Sunnyside\SUN-2006.dwg 3/28/2007 2:53:13 PM MDT

NOTES:

1. CONTOURS SHOWN HERE ON ARE A COMBINATION OF:
   2' CONTOUR INTERVALS ARE BASED ON FLIGHT OF 3/30/01.
   OTHER CONTOUR INTERVALS IN SURROUNDING AREAS ARE BASED ON RECORD INFORMATION OR PROVIDED BY SCA IN PREVIOUS YEARS.
   SPOT ELEVATIONS ARE BASED ON SURVEY MAPPING 3/11/2004.
2. SHADING IDENTIFIES AREA OF ACTIVE EXCAVATION.
3. THE PHOTOS INSET ABOVE (TAKEN FROM NEAR THE EXCESS SPOIL DISPOSAL AREA #1) SHOW SITE CONDITIONS AS OF 3/2007.

SHEET	DESIGNED			DATE
1 OF 1	DESIGNED: AH; DRAWN: AH; CHECKED: SSC	TWIN PEAKS Engineering & Land Surveying, 1880 NORTH 800 EAST LEHI, UTAH 84043, (801) 450-3511, (801) 439-0700 FAX	SUNNYSIDE COGENERATION ASSO. SUNNYSIDE REFUSE/SLURRY MINE MAP	DATE / SCALE / PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
S. SCOTT CARLSON
STATE OF UTAH
3/07