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Refer to Record No 0008 Date 032805
In C/007/035 Wyoming
For additional information

2004 Annual Report

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

SUNNYSIDE COGENERATION ASSOCIATES
SUNNYSIDE REFUSE/SLURRY
C/007/035
2004 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
2004 ANNUAL REPORT

TABLE OF CONTENTS

I. GENERAL PERMIT INFORMATION

Permit Number:	C/007/035
Mine Name:	Sunnyside Refuse/Slurry
Permittee:	Sunnyside Cogeneration Associates
Company Representative & Resident Agent:	Mr. Rusty Netz – Acting Plant Manager 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

Air Quality Title V Operating Permit: #700030001

Sunnyside's Operating permit was modified effective November 1, 2002 (DAQO-702038-02) 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.

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. However, a series of precipitation events over several consecutive days in October 2004 did combine to over 3.5 inches of rain and produced more runoff that could be completely contained in two of the impoundments within the mining permit area. As a result of these storms, a discharge did occur from the Pasture Pond and the Coarse Refuse Toe Pond on October 22nd. These discharges were tested for the required water quality parameters and Discharge Monitoring Reports were submitted to the Division of Water Quality. These reports were attached with the quarterly impoundment inspections submitted to DOGM and are included with those quarterly inspection reports in Appendix A of this document.

No new construction of the Excess Spoil Disposal Area #1 occurred in 2004.

Construction of the Excess Spoil Disposal Area #2 commenced in 1999, continued through 2000 and 2001, and received all of the spoils materials and coal reject materials generated during 2002 through 2004. Construction is progressing in general conformance with design requirements as currently approved. A permit amendment is in process to make certain revisions to the design criteria for the outer slopes of this disposal area.

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 2004 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 2004, no new areas received final reclamation treatment. 2004 was another year of ongoing drought and vegetation in the area shows significant signs of stress.

SCA performed quantitative sampling of the Old Coarse Refuse Road that was reclaimed in 1994. 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 41.13% with Shrubs (64.02%) and grasses (35.30%) as the dominant life forms. Forb species cover was less than 1% of the living cover.
- The dominant plant species for cover and frequency were four-wing salt bush (*Atriplex canescens*) and cheatgrass (*Bromus tectorum*).
- The total density of the woody plant species for the reclaimed road was estimated at 3845 individuals per acre. There were only 3 shrubs present in the density measurements including four-wing saltbush, shadscale (*Atriplex confertifolia*) and winterfat (*Ceratoides lanata*).
- The Atriplex/Grass Reference Area, had a total living cover of 29.75%. Grasses dominated this site and comprised 56.73% of the living cover, whereas, the shrubs proportion was 40.63% and forbs 2.64%.
- Statistical comparison between the reclaimed Old Coarse Refuse Road and the Atriplex/Grass Reference area revealed that total living cover and woody species density were significantly greater for the reclaimed road.

- The trend for living cover and woody species density since revegetation occurred clearly shows an increase over time, but a decrease in 2004.
- Graphs in the report show that there is an upward trend for grasses and shrubs at the expense of forbs. But most of the forbs in 1996 were weedy exotics and introduced species, both of which decreased appreciably by 1999.
- On the whole, there seems to be a trend towards decrease species diversity, partly due to the decrease in forbs (mostly weeds), but also due in-part to a decrease in some shrub and grass species.

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:

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

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. Most of the data was submitted to the Division electronically. An additional copy of the paper submittals 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 2004, SCA processed a total of 525,215 tons of coal materials. Of this quantity, 289,705 tons were excavated from the refuse pile in this permit area. An additional 235,510 tons of coal materials were received from SCA's operations at the Star Point Waste Fuel site.

b. Excess Spoils Disposal Area #1

No new construction of the Excess Spoil Disposal Area #1 occurred in 2004.

c. Excess Spoil Disposal Area #2

Placement and compaction of fill material occurred throughout 2004. Materials placed in the disposal area consist mostly of coarse refuse rejects, but also include some general spoils material. 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. Approximately 19,681 tons of material were placed in this disposal area during 2004. (1^{st} qtr – 6,126 tons, 2^{nd} qtr – 5,615 tons, 3^{rd} qtr – 2,435 tons, 4^{th} qtr 5,505 tons).

SCA periodically collects samples of the material being placed in the disposal area. Four samples were taken on May 12, 2004 from the SE, SW, NE & NW quadrants of

the disposal area. Results of the analysis on these samples are included in Appendix B-4.

SCA has submitted an amendment to the mining and reclamation permit requesting a change to the slope of the excess spoil disposal area. This permit amendment is in process and SCA is continuing to follow the currently approved design until any changes are approved.

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 pile have been 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 an 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 since the photography was taken 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.

APPENDIX A
CERTIFIED REPORTS

APPENDIX A
CERTIFIED REPORTS

FIRST QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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: S. Scott Carlson **Date:** 4/6/04

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

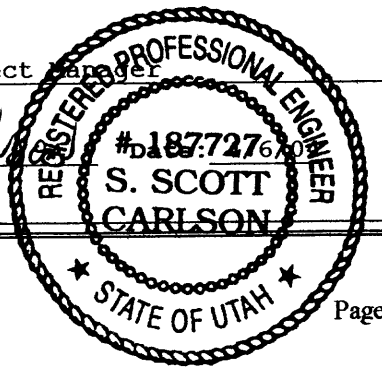
Certification Statement:

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:** 7/6/05

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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: S Scott Carlson **Date:** 4/6/04

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

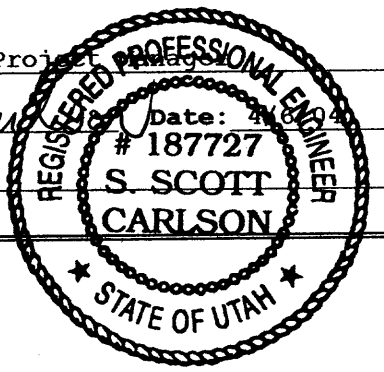
Certification Statement:

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:** 4/6/04

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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: Scott Carlson **Date:** 4/6/04

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

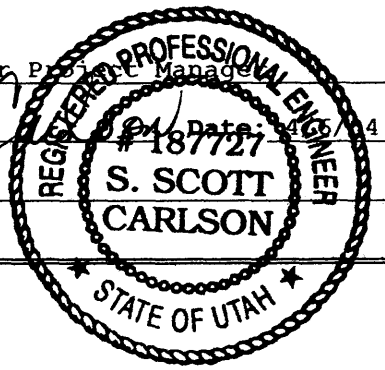
Certification Statement:

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:** 04/16/14

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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	

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: S Scott Carlson **Date:** 4/6/04

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:** 4/6/04

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** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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	

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: S Scott Carlson **Date:** 4/6/04

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

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

Signature: S Scott Carlson **Date:** 12/6/04

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** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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 = 6474±

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: S Scott Carlson **Date:** 4/6/04

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:** 4/6/10

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** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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: S Scott Carlson **Date:** 4/6/04

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 12/15/04

P.E. Number & State: 187727 Utah

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 4/6/04**
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 12, 2004	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2004
		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

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 10/6/04

P.E. Number & State: 187727 - UT

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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

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: S Scott Carlson **Date:** 4/6/04

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 4/6/04	
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 12, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2004

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

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

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:** 4/6/04

P.E. Number & State: 187727 - UT

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

Coarse Refuse Pile

March 12, 2003

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 4/6/04**	
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 12, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2004	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

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.**

Did not receive spoils material during this 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.**

No Construction occurred during this quarter. Construction in previous quarters had 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:** 4/5/04

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 4/6/04**	
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 12, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2004	
		Attachments to Report? ☐ **No** **X Yes**	

Field Evaluation

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.**

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

Approximately 6126 tons of material were placed 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 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

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:** 4/1/04

P.E. Number & State: 187727 - UT

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

Excess Spoil Disposal Area #2 Looking North March 12, 2004

Excess Spoil Disposal Area #2 Looking South March 12, 2004

APPENDIX A
CERTIFIED REPORTS

SECOND QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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: Scott Carlson **Date:** 7/8/04

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

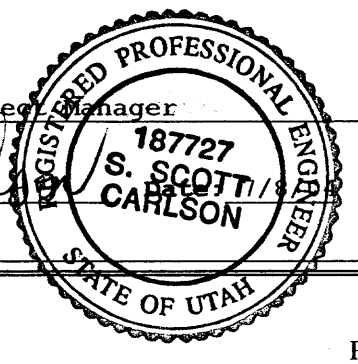
Certification Statement:

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** 11/8/

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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: Scott Carlson **Date:** 7/8/04

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

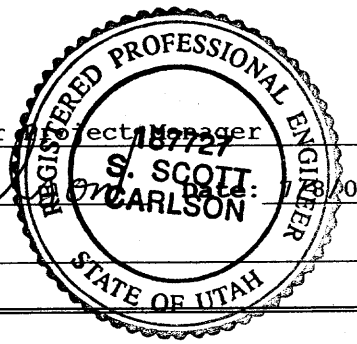
Certification Statement:

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:** 7/8/04

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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: Scott Carlson **Date:** 7/8/04

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:** 7/[illegible]/04

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** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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	

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: Scott Carlson **Date:** 7/8/04

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

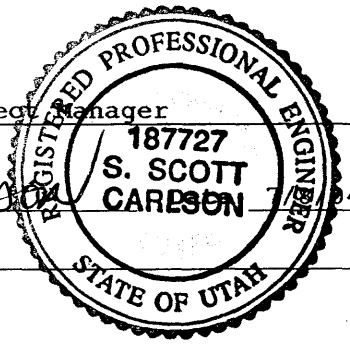
Certification Statement:

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: Scott Carlson 7/[illegible]/04

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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	

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: S Scott Carlson **Date:** 7/8/04

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

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

Signature: S. Scott Carlson **Date:** 7/8/04

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** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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 = 6474±

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: S Scott Carlson **Date:** 7/8/04

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/[illegible]4

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** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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: J. Scott Carlson **Date:** 7/8/04

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

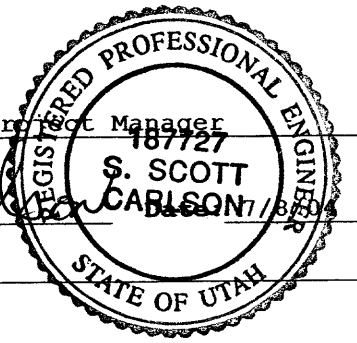
Certification Statement:

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:** 7/18/04

P.E. Number & State: 187727 Utah



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 7/8/04	
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 23, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2004

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	

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: Scott Carlson **Date:** 7/8/04

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

RTIFIED 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

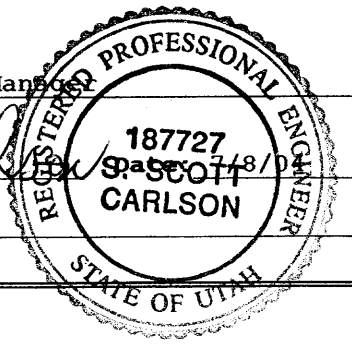
Certification Statement:

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:** 7/8/04

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 7/8/04**
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 23, 2004	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2004
		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

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

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 8/08

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 7/8/04**	
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 23, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2004	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

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.**

Did not receive spoils material during this 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.**

No Construction occurred during this quarter. Construction in previous quarters had 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:** 7/8/04

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 7/8/04**	
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 23, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2004	
		Attachments to Report? ☐ **No** **X Yes**	

Field Evaluation

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.**

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

Approximately 5615 tons of material were placed 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 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

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.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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

Signature: Scott Carlson **Date:** 7/8/04

P.E. Number & State: 187727 - UT

APPENDIX A
CERTIFIED REPORTS

THIRD QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	Report Date 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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: Scott Carlson **Date:** 10/6/04

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

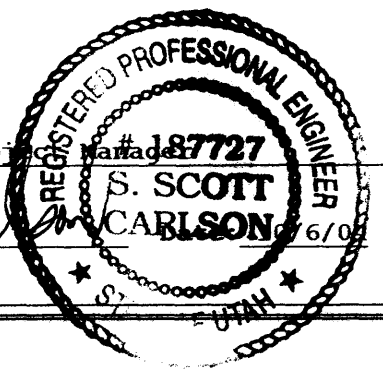
Certification Statement:

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 Projects Manager
(Full Name and Title)

Signature: Scott Carlson **Date:** 6/6/07

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	Report Date 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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.

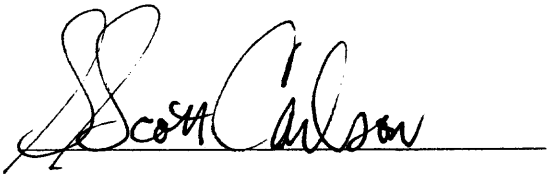
No discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exist.

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:  **Date:** 10/6/04

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:** 11/4/04

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 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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: Scott Carlson **Date:** 10/6/04

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: Scott Carlson **Date:** 10/26/04

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** 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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	

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: Scott Carlson **Date:** 10/6/04

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: [signature] Date: [illegible]

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 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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	

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: Scott Adkison **Date:** 10/6/04

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

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

Signature: S. Scott Carlson **Date:** 10/6/14

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** 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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: Scott Carlson **Date:** 10/6/04

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:** 10/6/

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 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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: Scott Carlson **Date:** 10/6/04

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

P.E. Number & State: 187727 Utah

REGISTERED PROFESSIONAL ENGINEER # 187727 Date: 10/8/09 S. SCOTT CARLSON STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 10/6/04	
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 15, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2004

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	

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: S Scott Carlson **Date:** 10/6/04

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

RTIFIED 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

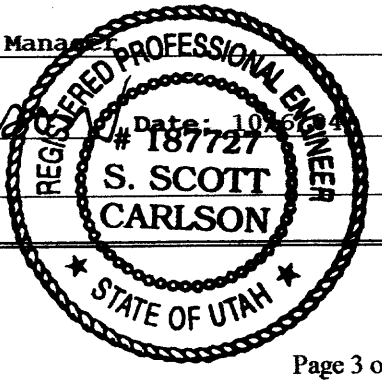
Certification Statement:

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:** 10/6/04

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 10/6/04**
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 15, 2004	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2004
		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

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

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:** 10/5/04

P.E. Number & State: 187727 - UT

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

Coarse Refuse Pile – Looking Northerly

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 10/6/04**	
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 15, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2004	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

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.**

Did not receive spoils material during this 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.**

No Construction occurred during this quarter. Construction in previous quarters had 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 Manage
(Full Name and Title)

Signature: S. Scott Carl **Date:** 10/6/

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 10/6/04**	
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 15, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2004	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

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.**

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

Approximately 2435 tons of material were placed 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 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

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:** 10/6/04

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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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: Scott Carlson **Date:** 1/13/05

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

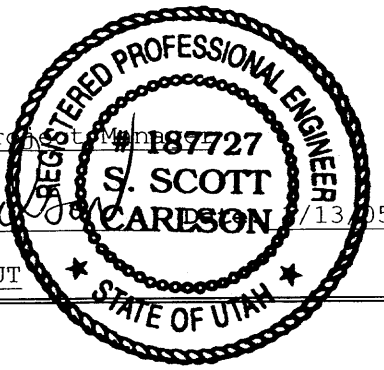
Certification Statement:

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: Scott Carlson **Date:** 3/13/05

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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: Scott Carlson **Date:** 1/13/05

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:** [illegible]3/05

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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: Scott Carlson **Date:** 1/13/05

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

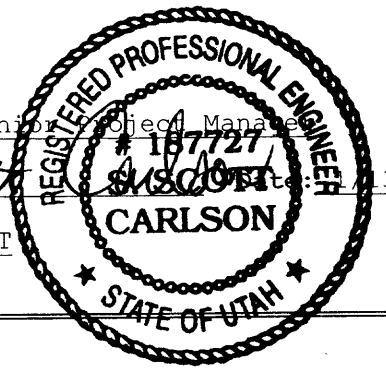
Certification Statement:

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:** 12/13/05

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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

Although no discharge was occurring during the inspection, UPDES monitoring reported by Rusty Netz, Plant Engineer, indicate that this pond did discharge on October 22, 2004 after a series of several consecutive days of precipitation measuring one inch or more of rainfall. The UPDES monitoring report for October 2004 is attached and includes a letter of explanation, analytical results from lab testing on a sample taken during discharge, and the official discharge monitoring report.

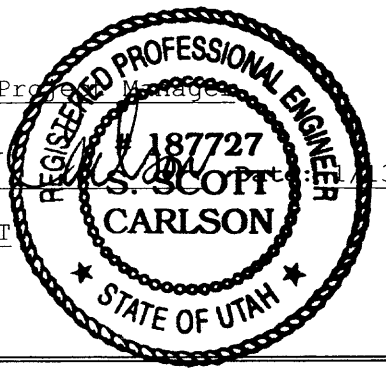
Certification Statement:

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:** 11/13/05

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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: J Scott Carlson **Date:** 1/13/05

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

Although no discharge was occurring during the inspection, UPDES monitoring reported by Rusty Netz, Plant Engineer, indicate that this pond did discharge on October 22, 2004 after a series of several consecutive days of precipitation measuring one inch or more of rainfall. The UPDES monitoring report for October 2004 is attached and includes a letter of explanation, analytical results from lab testing on a sample taken during discharge, and the official discharge monitoring report.

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:** 12/13/05

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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:** 11/17/05

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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:** 1/13/15

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2004

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	

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: S Scott Carlson **Date:** 1/13/05

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	

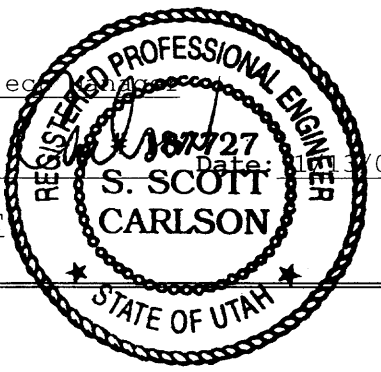
COMMENTS AND OTHER INFORMATION

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 Date: 10/13/05

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 1/13/05**
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	Dec 16, 2004	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Fourth Quarter Inspection 2004
		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.

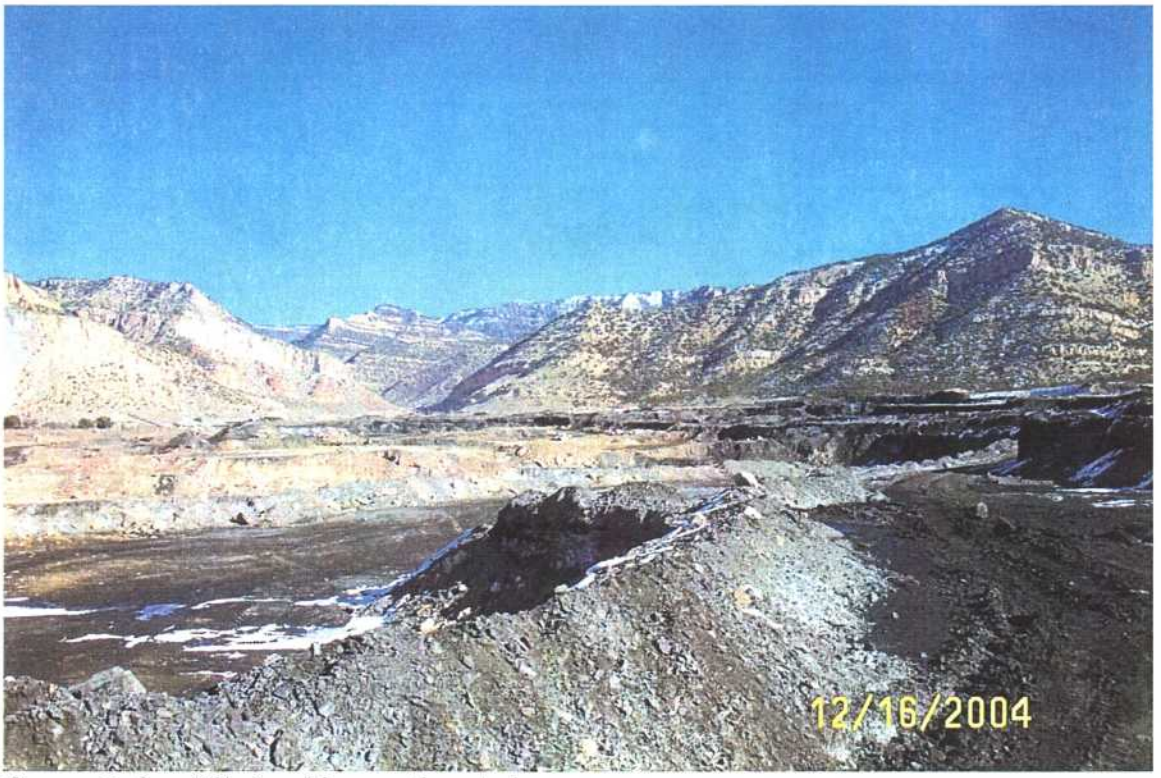
By: S. Scott Carlson - Senior Project Manager
(Full Name and Title)

Signature: S Scott Carlson Date: 7/13/05

P.E. Number & State: 187727 - UT

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

Coarse Refuse Pile looking northerly



Coarse Refuse Pile Looking northeasterly

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 1/13/05**	
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	Dec 16, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Fourth Quarter Inspection 2004	
		Attachments to Report? X **No** ☐ **Yes**	

Field Evaluation

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.**

Did not receive spoils material during this Quarter.

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

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.

No Construction occurred during this quarter. Construction in previous quarters had 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: Scott Carlson Date: 1/13/05

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 1/13/05**	
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	Dec 16, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Fourth Quarter Inspection 2004	
		Attachments to Report? ☐ **No** **X Yes**	

Field Evaluation

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.**

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

Approximately 5505 tons of material were placed during the Quarter.

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

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 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

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. See attached photos.

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:** 11/13/05

P.E. Number & State: 187727 - UT

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

Excavation along old Slurry Ditch at east side of Excess Spoil Area #2

Excess Spoil Disposal Area #2, looking southerly

COPY

Sunnyside Cogeneration Associates

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

November 23, 2004

Kari Lundeen
Division of Water Quality
288 North 1460 West
Salt Lake City, Utah 84114

RE: October 2004, Monitoring Period
UPDES Permit No. UT0024759
Discharge Monitoring Report Forms
Sunnyside Cogeneration Facility(SCA)

Dear Kari:

This letter summarizes the UPDES-permit field activities at the Sunnyside Cogeneration Facility during October 2004. Rusty Netz, the Plant Engineer for the facility, has physically inspected the permit outfalls in accordance with the UPDES permit guidelines.

On October 22, 2004, Ponds 009, 012 and 017, at the Sunnyside Facility, discharged due to continuing precipitation events. The discharge was the result of several consecutive days measuring one inch or more of rainfall. The discharges were sampled for parameters in accordance with Sections I.D.1. and I.D.6 of SCA's UPDES Permit.

The sampling results for ponds 009 and 012, pertaining to Iron, were above the permit protection level. Both ponds discharged for less than a 24-hour period and were the only discharges since September 2002. SCA believes that the higher Iron could have resulted from Iron scale within the discharge piping.

Again, the discharge event only lasted for a 24-hour period, and no discharge has occurred since. Attached are the discharge sampling results and the discharge monitoring reports. Also, included are the 126-priority pollutant sampling results for pond 017, which is a sampling requirement for this particular pond.

If you have any questions or comments, please contact me or Rusty Netz at (801)888-4476.

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott
Plant Manager

cc. Rusty Netz, SCA
Plant File

November 3, 2004

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:009-SCA

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Netz

Date sampled October 22, 2004

Date received October 22, 2004

RECEIVED 1700
SAMPLED
FIELD MEASUREMENTS
FLOW 25 pH 8.10
D.O. 7.9

NOTES:

Analysis report no. 59-26993

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
[illegible] Total	1.09	0.050	mg/l	EPA 200.7	11-02-2004 0825	BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	10-28-2004 0805	BW
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	10-22-2004 1730	DI
Solids, Total Dissolved	633	30	mg/l	EPA 160.1	10-26-2004 0840	BW
Solids, Total Suspended	63	5	mg/l	EPA 160.2	10-26-2004 0840	BW

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.sgs.com

November 3, 2004

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:012-SCA

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Netz

Date sampled October 22, 2004

Date received October 22, 2004

RECEIVED 1700
SAMPLED
FIELD MEASUREMENTS
FLOW 15 pH 7.95
D.O. 8.1

NOTES:

Analysis report no. 59-26994

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Iron, Total	1.15	0.050	mg/l	EPA 200.7	11-02-2004 0825 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	10-28-2004 0805 BW
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	10-22-2004 1730 DI
Solids, Total Dissolved	639	30	mg/l	EPA 160.1	10-26-2004 0840 BW
Solids, Total Suspended	66	5	mg/l	EPA 160.2	10-26-2004 0840 BW

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.sgs.com

Form Approved.
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location (if Different)*

NAME SUNNYSIDE COGENERATION ASSOC.

ADDRESS P.O. BOX 10
EAST CARBON UT 84520

FACILITY SUNNYSIDE COGENERATION ASSOC.
LOCATION EAST CARBON UT 84520

ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER	DISCHARGE NUMBER
UT0022	001 A

MINOR

F - FINAL
DISCHARGE TO ICELANDER CREEK
EFFLUENT
*** NO DISCHARGE | | ***

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT		36,000	(07)	******	******	******		0	1/7	GRAB
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD				**** *****		ONCE/ MONTH	MEASURE
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	******	******		7.9	******	******	(19)	0	1/7	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** *****	5.0 30DA AVG	*****	*****	MG/L		ONCE/ MONTH	GRAB
PH	SAMPLE MEASUREMENT	******	******		8.10	******	8.10	(12)	0	1/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** *****	6.5 MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******				63	(19)	0	1/7	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** *****	25 30DA AVG	35 7DA AVG	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******	<0.1	(25)	0	1/7	GRAB
00545 Q 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	NO DISCHG	*****	**** *****	*****	*****	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******	1.09	(19)	1	1/7	GRAB
01045 I 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** *****	*****	*****	1.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******	******		******	******	633	(19)	0	1/7	GRAB
70295 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	**** *****	2900 30DA AVG	*****	1650 DAILY MX	MG/L		ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Randy Scott Plant Mgr	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Randy J. Scott	AREA CODE 435	NUMBER 447-2	YEAR 04	MO 11	DAY 22
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & SHALL NOT EXCEED 10 MG/L. SETTLEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTEABLE SOLIDS WHEN APPROPRIATE.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME SUN SIDE COGENERATION ASSOC.

ADDRESS P.O. BOX 10

EAST CARBON UT 84520

FACILITY SUNNYSIDE CONGENERATION ASSOC.

LOCATION EAST CARBON UT 84520

ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
UT0024	009 A

MINOR

F - FINAL

DISCHARGE TO ICELANDER CREEK

EFFLUENT

*** NO DISCHARGE | _ | ***

MONITORING PERIOD	YEAR	MO	DAY
FROM	04	10	01
TO	04	10	31

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING: AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION: MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
OIL AND GREASE VISUAL	SAMPLE MEASUREMENT	******	******		******	******	<2	(94)	0	1/7	GRAB
84066 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	******	******	******	0 DAILY MX	YES=1 NO=0		ONCE/ MONTH	VISUAL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Randy Scott
Plant MgR

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Randy J. Scott

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE	NUMBER	DATE: YEAR	MO	DAY
435	888 4476	04	11	22

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & SHALL NOT EXCEED 10 MG/L. SETTLEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTEABLE SOLIDS WHEN APPROPRIATE.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

This is a 4-part form PAGE OF

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location If Different)*

NAME SUNNYSIDE COGENERATION ASSOC.
ADDRESS P.O. BOX 10
EAST CARBON UT 84520

FACILITY SUNNYSIDE CONGENERATION ASSOC.
LOCATION EAST CARBON UT 84520
ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
UT002[illegible]	01[illegible] A

MINOR

F - FINAL
DISCHARGE TO ICELANDER CREEK
EFFLUENT
*** NO DISCHARGE | | ***

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT		21,600	(07)	******	******	******		0	1/7	[illegible]
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	**** ****		ONCE/ MONTH	MEASRD
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	******	******		8.1	******	******	(19)	0	1/7	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 30DA AVG	******	******	MG/L		ONCE/ MONTH	GRAB
PH	SAMPLE MEASUREMENT	******	******		7.95	******	7.95	(12)	0	1/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.5 MINIMUM	******	9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******				66	(19)	0	1/7	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	25 30DA AVG	35 7D AV	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******	<0.1	(25)	0	1/7	GRAB
00545 Q 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******	1.15	(19)	1	1/7	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	1.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******	******		******	******	639	(19)	0	1/7	GRAB
70295 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	1050 DAILY MX	MG/L		ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Randy Scott
Plant MgR
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Randy J. Scott
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
435	888 4476	04	11	22
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & THIS SHALL NOT EXCEED 10 MG/L. SETTLEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTLEABLE SOLIDS WHEN APPROPRIATE.

PERMITTEE NA[illegible]DRESS *(Include Facility Name/Location if Different)*

NAME SU[illegible]SIDE COGENERATION ASSOC.
ADDRESS P.O[illegible]BOX 10
EAST CARBON UT 84520

FACILITY SUNNYSIDE CONGENERATION ASSOC.
LOCATION EAST CARBON UT 84520
ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLU[illegible] DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHA[illegible] MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
UT002[illegible]	012 A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

MINOR

F - FINAL
DISCHARGE TO ICELANDER CREEK
EFFLUENT
*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL AND GREASE VISUAL 84066 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******	<2	(94)	0	1/7	GRAB
	PERMIT REQUIREMENT	******	******	*** ****	******	******	0 DAILY MX	YES=1 NO=0		ONCE/ MONTH	VISUAL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Randy Scott
Plant MgR

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Randy J. Scott

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
435	888 4476	04	11	22

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & THIS SHALL NOT EXCEED 10 MG/L.
SETTLEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTLEABLE SOLIDS WHEN APPROPRIATE.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

This is a 4 part form PAGE OF

APPENDIX A
CERTIFIED REPORTS

ANNUAL INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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

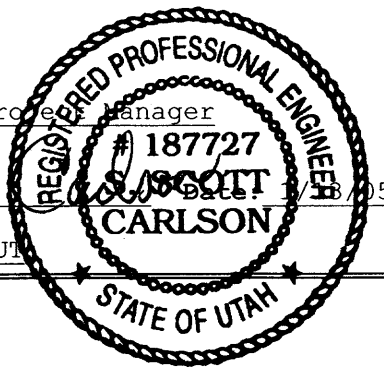
Certification Statement:

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:** 1/18/05

P.E. Number & State: 187727 UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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:** 1/13/05

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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:** 1/13/05

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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

Although no discharge was occurring during the inspection, UPDES monitoring reported by Rusty Netz, Plant Engineer, indicate that this pond did discharge on October 22, 2004 after a series of several consecutive days of precipitation measuring one inch or more of rainfall. The UPDES monitoring report for October 2004 is attached and includes a letter of explanation, analytical results from lab testing on a sample taken during discharge, and the official discharge monitoring report.

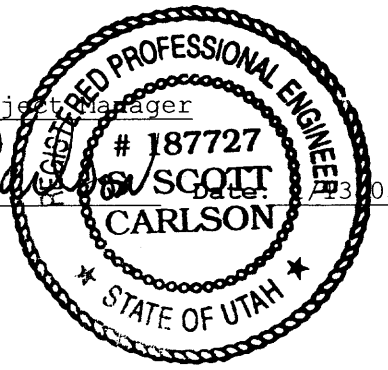
Certification Statement:

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:** 1/3/05

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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

Although no discharge was occurring during the inspection, UPDES monitoring reported by Rusty Netz, Plant Engineer, indicate that this pond did discharge on October 22, 2004 after a series of several consecutive days of precipitation measuring one inch or more of rainfall. The UPDES monitoring report for October 2004 is attached and includes a letter of explanation, analytical results from lab testing on a sample taken during discharge, and the official discharge monitoring report.

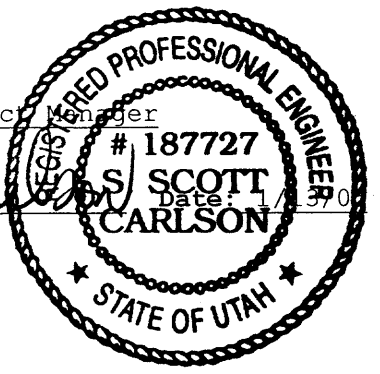
Certification Statement:

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:** 1/13/05

P.E. Number & State: 187727 - UT



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	**Report Date** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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.

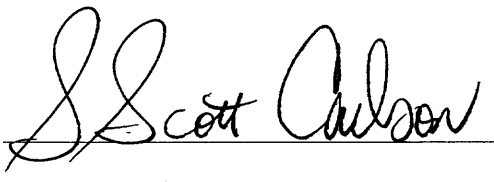
Pond was essentially empty.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

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:  **Date:** 1/13/05

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:** 3/13/05

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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: S Scott Carlson **Date:** 1/13/05

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:** 1/13/05

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** 1/13/05	
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	Dec 16, 2004
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2004

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	

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: S. Scott Carlson **Date:** 1/13/05

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

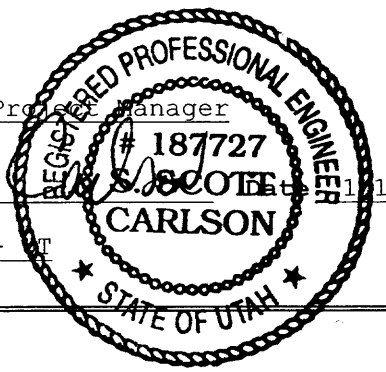
Certification Statement:

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:** 12/13/05

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 1/13/05**
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	Dec 16, 2004	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2004
		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

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: 1/14/05

P.E. Number & State: 187727 - UT

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

Coarse Refuse Pile looking northerly

Coarse Refuse Pile Looking northeasterly

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	**Report Date 1/13/05**	
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	Dec 16, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2004	
		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.**

   Did not receive spoils material during this year.

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

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.

No Construction occurred during this year. Construction in previous years had 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: 1/13/05

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 1/13/05**	
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	Dec 16, 2004		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2004	
		Attachments to Report? ☐ No ☒ Yes	

Field Evaluation

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.**

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

Approximately 19681 tons of material were placed during the year (1st Qtr 6126, 2nd Qtr 5615, 3rd Qtr 2435, 4th Qtr 5505).

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

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 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

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. See attached photos.

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:** 11/23/05

P.E. Number & State: 187727 - UT

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

Excavation along old Slurry Ditch at east side of Excess Spoil Area #2

Excess Spoil Disposal Area #2, looking southerly

COPY

Sunnyside Cogeneration Associates

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

November 23, 2004

Kari Lundeen
Division of Water Quality
288 North 1460 West
Salt Lake City, Utah 84114

RE: October 2004, Monitoring Period
UPDES Permit No. UT0024759
Discharge Monitoring Report Forms
Sunnyside Cogeneration Facility(SCA)

Dear Kari:

This letter summarizes the UPDES-permit field activities at the Sunnyside Cogeneration Facility during October 2004. Rusty Netz, the Plant Engineer for the facility, has physically inspected the permit outfalls in accordance with the UPDES permit guidelines.

On October 22, 2004, Ponds 009, 012 and 017, at the Sunnyside Facility, discharged due to continuing precipitation events. The discharge was the result of several consecutive days measuring one inch or more of rainfall. The discharges were sampled for parameters in accordance with Sections I.D.1. and I.D.6 of SCA's UPDES Permit.

The sampling results for ponds 009 and 012, pertaining to Iron, were above the permit protection level. Both ponds discharged for less than a 24-hour period and were the only discharges since September 2002. SCA believes that the higher Iron could have resulted from Iron scale within the discharge piping.

Again, the discharge event only lasted for a 24-hour period, and no discharge has occurred since. Attached are the discharge sampling results and the discharge monitoring reports. Also, included are the 126-priority pollutant sampling results for pond 017, which is a sampling requirement for this particular pond.

If you have any questions or comments, please contact me or Rusty Netz at (801)888-4476.

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott
Plant Manager

cc. Rusty Netz, SCA
Plant File

SGS

November 3, 2004

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:009-SCA

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Netz

Date sampled October 22, 2004

Date received October 22, 2004

RECEIVED 1700
SAMPLED
FIELD MEASUREMENTS
FLOW 25 pH 8.10
D.O. 7.9

NOTES:

Analysis report no. 59-26993

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Iron, Total	1.09	0.050	mg/l	EPA 200.7	11-02-2004 0825	BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	10-28-2004 0805	BW
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	10-22-2004 1730	DI
Solids, Total Dissolved	633	30	mg/l	EPA 160.1	10-26-2004 0840	BW
Solids, Total Suspended	63	5	mg/l	EPA 160.2	10-26-2004 0840	BW

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.sgs.com

November 3, 2004

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:012-SCA

Kind of sample reported to us Water

RECEIVED 1700
SAMPLED
FIELD MEASUREMENTS
FLOW 15 pH 7.95
D.O. 8.1

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Netz

NOTES:

Date sampled October 22, 2004

Date received October 22, 2004

Analysis report no. 59-26994

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Iron, Total	1.15	0.050	mg/l	EPA 200.7	11-02-2004 0825	BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	10-28-2004 0805	BW
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	10-22-2004 1730	DI
Solids, Total Dissolved	639	30	mg/l	EPA 160.1	10-26-2004 0840	BW
Solids, Total Suspended	66	5	mg/l	EPA 160.2	10-26-2004 0840	BW

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Minerals Services Division
P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.sgs.com

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME SU[illegible]SIDE COGENERATION ASSOC.
ADDRESS P.[illegible] BOX 10
EAST CARBON UT 84520

FACILITY SUNNYSIDE CONGENERATION ASSOC.
LOCATION EAST CARBON UT 84520
ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
UT002[illegible]	009 A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

MINOR

F - FINAL
DISCHARGE TO ICELANDER CREEK
EFFLUENT
*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW RATE	SAMPLE MEASUREMENT		36,000	(07)	******	******	******		0	1/7	MEAS
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	**** ****		ONCE/ MONTH	MEASRD
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	******	******		7.9	******	******	(19)	0	1/7	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.0 30DA AVG	******	******	MG/L		ONCE/ MONTH	GRAB
PH	SAMPLE MEASUREMENT	******	******		8.10	******	8.10	(12)	0	1/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.5 MINIMUM	******	9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******				63	(19)	0	1/7	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	25 30DA AVG	35 MX 7D AV	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******	<0.1	(25)	0	1/7	GRAB
00545 Q 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******	1.09	(19)	1	1/7	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	1.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******	******		******	******	633	(19)	0	1/7	GRAB
70295 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	1650 DAILY MX	MG/L		ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Randy Scott
Plant MgR

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Randy J. Scott

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
435	888-4476	04	11	22

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & SHALL NOT EXCEED 10 MG/L. SETTLEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTEABLE S[illegible]IDS WHEN APPROPR[illegible].

EPA Form 3320-1 ([illegible]3/99) Previous editions may be used. This is a 4-part form. PAGE OF

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME SU[illegible]SIDE COGENERATION ASSOC.
ADDRESS P.[illegible] BOX 10
EAST CARBON UT 84520

FACILITY SUNNYSIDE CONGENERATION ASSOC.
LOCATION EAST CARBON UT 84520
ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

UT002[illegible]	009 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

MINOR

F - FINAL
DISCHARGE TO ICELANDER CREEK
EFFLUENT
*** NO DISCHARGE | | ***

Form Approved. OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
OIL AND GREASE VISUAL	SAMPLE MEASUREMENT	******	******		******	******	<2	(98)	0	1/7	GRAB
84066 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	******	0 DAILY MX	YES=1 NO=0		ONCE/ MONTH	VISUAL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Randy Scott
Plant MgR
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Randy J. Scott
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
435	888 4476	04	11	22
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & SHALL NOT EXCEED 10 MG/L. SETTLEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTEABLE SOLIDS WHEN APPROPRIATE.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME SUNNYSIDE COGENERATION ASSOC.

ADDRESS P[redacted] BOX 10
EAST CARBON UT 84520

FACILITY SUNNYSIDE COGENERATION ASSOC.
LOCATION EAST CARBON UT 84520

ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

OMB No. 2040-0004

UT00[redacted]9
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MINOR

F - FINAL
DISCHARGE TO ICELANDER CREEK
EFFLUENT
*** NO DISCHARGE | | ***

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT		21.600	(07)	******	******	******		0	1/7	
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	*** ***		ONCE/ MONTH	MEASRD
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	******	******		8.1	******	******	(19)	0	1/7	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ***	5.0 30DA AVG	******	******	MG/L		ONCE/ MONTH	GRAB
PH	SAMPLE MEASUREMENT	******	******		7.95	******	7.95	(12)	0	1/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ***	6.5 MINIMUM	******	9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******				66	(19)	0	1/7	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ***	25 30DA AVG	35 MX 7D AV	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******	<0.1	(25)	0	1/7	GRAB
00545 Q 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ***	******	******	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******	1.15	(19)	1	1/7	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ***	******	******	1.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******	******		******	******	639	(19)	0	1/7	GRAB
70295 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ***	******	******	1650 DAILY MX	MG/L		ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Randy Scott Plant Mgr	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Randy J. Scott	801 435	4476	04	11	22
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & THIS SHALL NOT EXCEED 10 MG/L. SETTLEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTLEABLE SOLIDS WHEN APPROPRIATE.

PERMITTEE NAME/ADDRESS (*Include Facility Name/Location if Different*)

NAME: SU[illegible]SIDE COGENERATION ASSOC.
ADDRESS: P.[illegible] BOX 10
EAST CARBON UT 84520

FACILITY: SUNNYSIDE CONGENERATION ASSOC.
LOCATION: EAST CARBON UT 84520
ATTN: RANDY J. SCOTT, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (*NPDES*)
DISCHARGE MONITORING REPORT (*DMR*)

PERMIT NUMBER	DISCHARGE NUMBER
UT002[illegible]	012 A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	10	01	TO	04	10	31

MINOR

F - FINAL
DISCHARGE TO ICELANDER CREEK
EFFLUENT
*** NO DISCHARGE | _ | ***

OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
OIL AND GREASE VISUAL 84066 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******	<2	(94)	0	1/7	Grab
	PERMIT REQUIREMENT	******	******	****** ******	******	******	0 DAILY MX	YES=1 NO=0		ONCE/ MONTH	VISUAL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Randy Scott
Plant MgR

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

[signature]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
435	888 4476	04	11	22

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

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EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

This is a 4-part form.

PAGE OF

APPENDIX B-1
CLIMATOLOGICAL DATA

SUNNYSIDE WEATHER STATION
2004 CLIMATOLOGICAL REPORT

	Jan	Jan	Jan	Feb	Feb	Feb	Mar	Mar	Mar	Apr	Apr	Apr	May	May	May	June	June	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	28	13		30	8		40	13		60	42	0.15	64	34		78	36	
2	32	21		28	14		36	21		64	41		71	38		83	58	
3	30	15	0.1	31	21	0.14	42	20		58	38	0.19	77	46		86	55	
4	24	8		36	17	0.06	40	23		58	36		78	47		88	55	
5	22	6		39	18		40	21			36		75	45		89	56	
6	22	11		37	11		47	27		60	37		76	44		93	55	
7	26	14	0.06	26	15	0.08	59	27		50	40	0.21	74	41		88	53	
8	35	14		35	12		67	37		53	41	0.11	76	45		88	56	
9	45	21		35	12		65	38		57	33		78	45		80	55	
10	43	22		35	10		65	38		42	30		77	46		54	39	tr
11	43	23		29	5		64	36		55	28		57	43		67	34	
12	42	22		32	8		64	35		64	33		48	34	0.09	78	47	
13	41	21		33	10		68	34		64	36		53	28		85	50	
14	40	22		36	14		61	37		63	39		65	64		88	55	
15	39	24		41	19		61	32		62	36		74	45		88	56	
16	40	23		44	22		61	34		67	38		74	46		88	57	0.18
17	45	22		43	28		63	34		67	40		73	54		58	48	0.04
18	39	20		45	29		66	38		50	35	0.18	67	48		71	44	0.27
19	36	22		44	32		74	42		53	34		70	42		77	48	0.08
20	36	24		45	25		80	47		54	30		69	48		82	50	
21	36	19		40	28		80	50		54	33	0.04	58	40		70	52	
22	35	16		40	33	0.25	72	50		38	31		77	40	0.18			
23	35	17		43	33	0.07	71	44		54	30		58	40		83	48	
24	35	21		44	32		65	38		63	34	0.3		37		81	55	
25	27	21		44	25		65	39		64	34		63	42		80	51	
26	28	5	0.03	40	33		53	45		68	39					77	48	
27	30	9		36	27		47	27	0.05	73	41		70	45		79	47	0.17
28	32	19	0.03	37	25	0.82	54	28		74	31		75	48		78	48	
29	42	22		39	20	0.1	62	27		37	31	0.5	53	40		61	49	0.14
30	39	24					65	39		52	34	0.15	58	30		75	45	
31	30	14					68	42					73	36				
Total	1077	555	0.22	1087	586	1.52	1865	1063	0.05	1678	1061	1.83	1981	1281	0.27	2293	1450	0.88
AVG	34.74	17.90	rain/snow	37.48	20.21		60.16	34.29		57.86	35.37		68.31	42.70	rain	79.07	50.00	
AVG DAILY	26.32			28.84			47.23			46.61			55.51			64.53		

acc. Dep. = accumulated dept
temperature in °F
precipitation in inches
* = equipment failure

SUNNYSIDE WEATHER STATION
2004 CLIMATOLOGICAL REPORT

day	July max temp	July min temp	July precip	Aug max temp	Aug min temp	Aug precip	Sept max temp	Sept min temp	Sept precip	Oct max temp	Oct min temp	Oct precip	Nov max temp	Nov min temp	Nov precip	Dec max temp	Dec min temp	Dec precip
1	80	47		87	60	tr	87	55		61	41			21		24	9	
2	80	50		80	58		87	56		64	43					26	11	
3	80	55		82	48	tr	77	64		65	44					26	10	
4	78	52		86	54	tr	53	39	0.70	66	43	0.07	52	21		28	12	
5	83	51		78	50	0.68	64	34		67	47		54	34		29	13	
6	85			79	50	0.34	74	47		68	43		56	34		29	20	
7	86	56		84	49		77	46		67	41		57	34		29	20	
8	85	55		88	54		80	51		69	42		54	41	0.50	29	26	0.05
9	85	58		90	51		82	55		68	51		53	36	0.45	45	29	0.55
10	87	58		89	62		79	52		67	45		49	35		41	27	
11	90	59		91	59		82	53		66	42		45	32		46	31	
12	98	64		89	57		78	53		70	42		41	32	0.2	46	27	
13	93	64		92	58		78	54		64	44		47	33		42	24	
14	91	64		88	59		68	48		64	36		44	31		41	24	
15	89	55		87	59		68	36		68	41		58	30		46	27	
16	*	*		81	56	0.39	77	43		70	43		58	30		42	24	
17	*	*		72	52	0.10	80	50		66	40	0.07	54	33		41	24	
18	*	*		67	50	0.33	75	51		48	45		52	33		40	22	
19	*	*		72	48	0.30	60	45	0.72	49	37	0.17	50	30		40	24	
20	*	*		77	49		55	44		52	39	0.08	45	26		40	23	
21	*	*		76	50		55	37		53	40	1.60	41	27		39	22	
22	*	*		78	50	tr	56	32		46	31	1.70	46	32		38	21	
23	*	*		70	53		64	37		44	28		58	27		34	13	
24	*	*	0.22	66	49		66	32		46	37		46	27		25	14	
25	*	*		80	51		71	45		45	28	0.05	42	23		33	12	
26	83	54	0.18	77	43			45		51	38	0.09	41	29		33	19	
27	77	48		73	43					48	37		40	27		36	26	
28	82	50		75	45		74	46		52	33		37	13	0.60	37	28	0.05
29	85	54	tr	82	52		73	46		52	29	0.09	25	15		36	30	0.45
30	89	56		80	52		58	42	0.34	44	27		24	7		38	21	
31	90	58	tr	87	54					41	30					37	32	0.05
Total	1796	1108	0.40	2503	1625	2.14	1998	1338	1.76	1801	1207	3.92	1269	793	1.75	1116	665	1.15
AVG	85.52	55.40		80.74	52.42		71.36	46.14		58.10	38.94		47.00	28.32		36.00	21.45	
AVG DAILY	70.46			66.58			58.75			48.52			37.66			28.73		

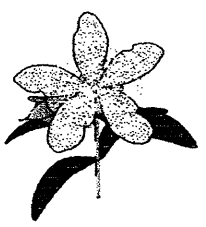
AVERAGE HIGH TEMPERATURE	59.70
AVERAGE LOW TEMPERATURE	36.93
TOTAL PRECIPITATION FOR 2004	15.89
AVERAGE MONTHLY PRECIPITATION	1.32

APPENDIX B-2
VEGETATION MONITORING

VEGETATION MONITORING
AT THE
SUNNYSIDE COGENERATION FACILITY

2004

RECLAIMED OLD COARSE REFUSE ROAD
AND THE
ATRIPLEX/GRASS REFERENCE AREA



Prepared by

MT. NEBO SCIENTIFIC, INC.
330 East 400 South, Suite 6
P.O. Box 337
Springville, Utah 84663
(801) 489-6937

Patrick D. Collins, Ph.D.

for

SUNNYSIDE COGENERATION ASSOCIATES
P.O. Box 10
East Carbon, Utah 84520

February 2005

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VEGETATION MONITORING
AT THE
SUNNYSIDE COGENERATION FACILITY
2004

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 2004. 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. This document provides the sampling results for the year 2004.

Like previous years' reports, a brief history may be helpful here. 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 August 27, 2004. 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 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 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 for cover and density was attempt with the goal that 80% 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

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. The raw data summarized on spreadsheets have been included in the Appendix of the report.

RESULTS

Reclaimed Road

Total living cover in 2004 of the Old Coarse Refuse Road was estimated at 41.13% (Table 1). Shrubs dominated the composition comprising 64.02% of the total living cover, following by grasses at 35.30%. Forb species cover was less than 1% of the living cover (Table 1).

The dominant plant species for cover and frequency were four-wing salt bush *(Atriplex canescens)* and cheatgrass (*Bromus tectorum*). Their values, along with other species present in the quadrats, have been listed in Table 2.

The total density of the woody plant species for the reclaimed road was estimated at 3,845 individuals per acre (Table 3). There were only 3 shrubs present in the density measurements including four-wing saltbush, shadscale (*Atriplex confertifolia*) and winterfat *(Ceratoides lanata)*.

Reference Area

The Atriplex/Grass Reference Area, chosen earlier to be used to monitor revegetation success, had a total living cover of 29.75%. Grasses dominated this site and comprised 56.73% of the living cover, whereas, the shrubs proportion was 40.63% and forbs 2.64% (Table 4).

Salina wildrye (*Elymus salinus*) dominated the reference area at 13.75% cover, followed quite closely by shadscale at 10.75%. All plant species present in the sample quadrats are shown on Table 5.

Like the reclaimed road, the reference area woody species density measurements were represented by only three species, shadscale, broom snakeweed and Castle Valley saltbush (*Atriplex gardneri* var. *cuneata*). Total woody species density was estimated at 2,170 plants per acre (Table 6).

DISCUSSION

Statistical comparison between the reclaimed Old Coarse Refuse Road and the Atriplex/Grass Reference Area revealed that total living cover and woody species density were significantly greater for the reclaimed road (Table 7).

Graphs comparing years have also been prepared to illustrated the cover, composition and density trends over time. Figure 1 shows a steady increase until 2004, when the total living cover decreased. The lifeform composition graph (Figure 2) also shows upward treads for grasses and shrubs, but at the expense of forbs. This may not be as negative as one might first assume. A closer look at the data shows that most of the forbs in 1996 were "weedy" exotics (i.e. *Kochia scoparia*) and the introduced species called yellow sweet clover (*Melilotus officinalis*) – both of which decreased appreciably by 1999. In 2003, no forbs were present in the sample quadrats, but

in 2004 a couple of weedy species were present. Over time most lifeform composition results appeared to be favoring shrubs and grasses. Shrubs seemed to be even more favored in the 2004 results at the expense of some of the grass cover, but the decrease in grasses in 2004 was due in a large part to the decrease in one weedy species, cheatgrass.

As mentioned in one of the previous studies (2003), there seems to be a trend towards a decrease in species diversity on the reclaimed road, partly due to the decrease in forbs (mostly weeds), but also due in-part to a decrease in some shrub and grass species. Interestingly, rubber rabbitbrush (*Chrysothamnus nauseosus*) increased each year until it comprised nearly 5% cover in 1999, but it was not even present in quadrats in 2003 or 2004. The weedy grass species, cheatgrass *(Bromus tectorum*), has increased each year by over 200% until 2003, but it decreased significantly in 2004. There was also a significant decrease of this species in the reference area between 2003 and 2004, perhaps a function of annual precipitation patterns. Woody species densities appeared to increase until 1999, but has steadily decreased since that time.

It has been interesting to note the changes over time of the reclaimed area. Each year indicates that the area is still in somewhat of a dynamic state, the parameter values should stabilize in the near future resulting in proportions closer to that of the reference area.

TABLE 1: Total cover and composition summary for the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility (2004).

TOTAL COVER	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE
Living Cover	41.13	14.25	40
Litter	10.88	4.73	40
Bareground	19.50	11.87	40
Rock	28.50	14.76	40
COMPOSITION			
Shrubs	64.02	20.70	40
Forbs	0.68	2.39	40
Grasses	35.30	20.55	40

TABLE 2: Species cover and frequency summary for the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility (2004).

SPECIES	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE	RELATIVE FREQUENCY
TREES & SHRUBS				
Atriplex canescens	16.00	13.97	40	75.00
Atriplex confertifolia	5.13	8.18	40	35.00
Atriplex corrugata	2.50	7.25	40	15.00
Ceratoides lanata	2.63	9.87	40	10.00
FORBS				
Halogeton glomeratus	0.25	1.18	40	5.00
Salsola pestifer	0.13	0.78	40	2.50
GRASSES				
Agropyron cristatum	0.25	1.09	40	5.00
Bromus tectorum	10.63	8.61	40	80.00
Elymus lanceolatus	2.05	4.89	40	22.50
Elymus smithii	1.58	4.50	40	17.50

TABLE 3: Woody species densities of the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility (2004).

	NUMBER/ACRE
Atriplex canescens	2066.77
Atriplex confertifolia	1417.90
Ceratoides lanata	360.48
TOTAL	3845.15

TABLE 4: Total cover and composition summary for the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility (2004).

TOTAL COVER	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE
Living Cover	29.75	6.42	20
Litter	8.15	3.75	20
Bareground	7.60	3.87	20
Rock	54.50	7.89	20
COMPOSITION			
Shrubs	40.63	33.25	20
Forbs	2.64	7.00	20
Grasses	56.73	34.54	20

TABLE 5: Species cover and frequency summary for the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility (2004).

SPECIES	% MEAN COVER	STANDARD DEVIATION	SAMPLE SIZE	RELATIVE FREQUENCY
TREES & SHRUBS				
Atriplex confertifolia	10.75	9.52	20	70.00
Atriplex corrugata	1.00	4.36	20	5.00
Gutierrezia sarothrae	0.80	1.96	20	15.00
FORBS				
Halogeton glomeratus	0.65	2.24	20	10.00
Salsola pestifer	0.25	1.09	20	5.00
GRASSES				
Bromus tectorum	2.55	3.47	20	40.00
Elymus salinus	13.75	10.11	20	80.00

TABLE 6: Woody species densities of the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility (2004).

	NUMBER/ACRE
Atriplex confertifolia	1925.54
Atriplex gardneri	27.12
Gutierrezia sarothrae	216.96
TOTAL	2169.62

TABLE 7: Statistical summary sheet for the reclaimed road and reference areas at the Sunnyside Cogeneration Facility (2004).

RECLAIMED ROAD			
Total Living Cover	$\bar{x}$=41.13	s=14.25	n=40
Density	$\bar{x}$=3845.15	s=1820.91	n=40
REFERENCE AREA			
Total Living Cover	$\bar{x}$=29.75	s=6.42	n=20
Density	$\bar{x}$=2169.62	s=1104.99	n=20
STATISTICAL ANALYSES			
Total Living Cover	t=3.392	df=58	SL=p<.005
Density	t=3.773	df=58	SL=p<.005

$\bar{x}$= 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

FIGURE 1: Total living cover comparisons over time for the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility.

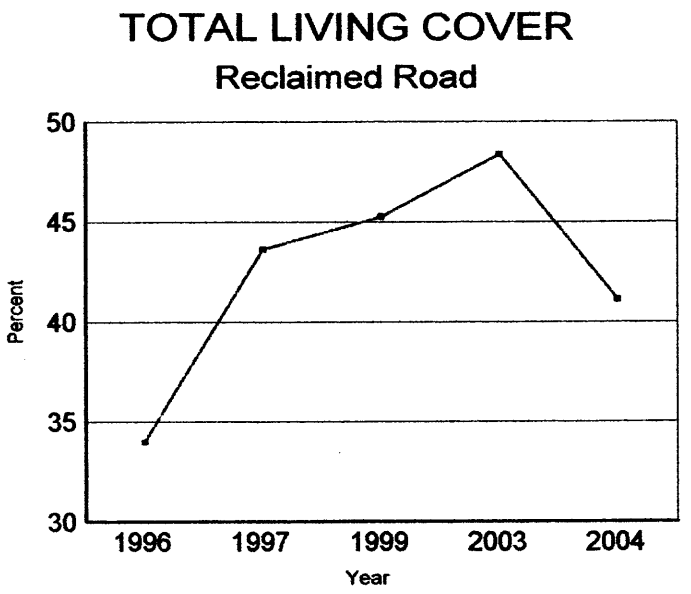


FIGURE 2: Composition comparisons over time for the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility.

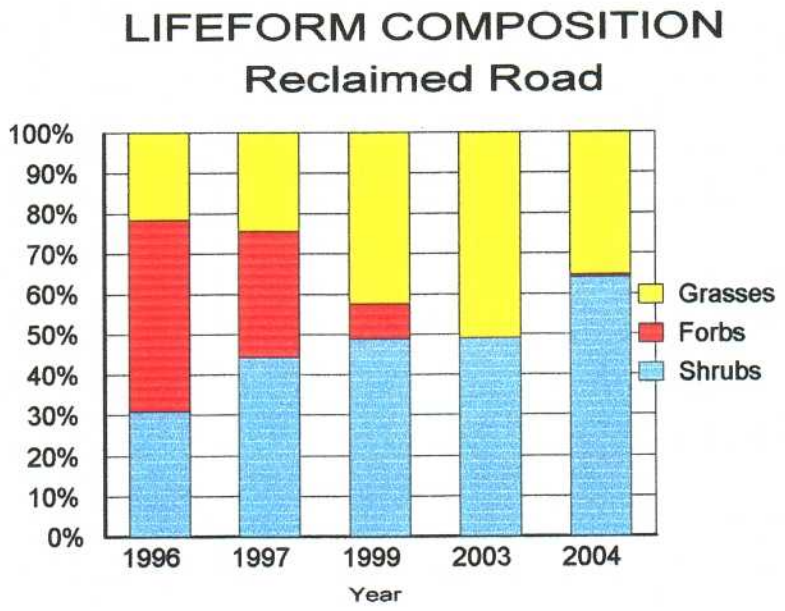


FIGURE 3: Woody species density comparisons over time for the reclaimed Old Coarse Refuse Road at the Sunnyside Cogeneration Facility.

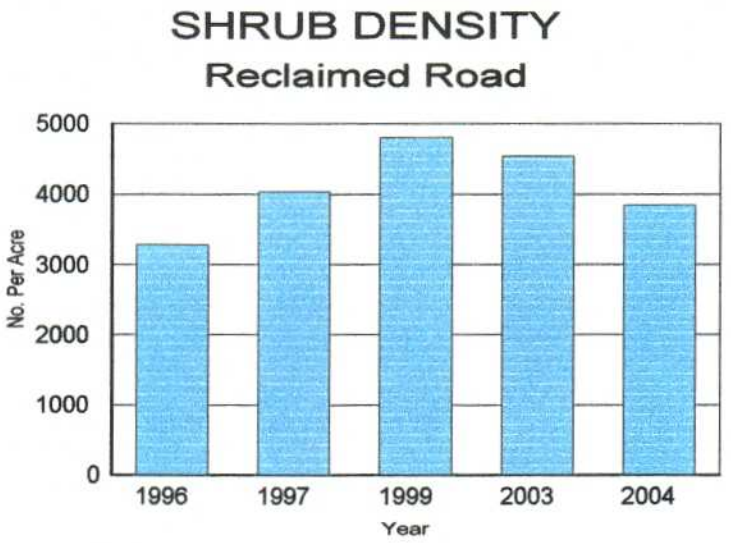


Figure 4: Reclaimed Road (1 of 2)

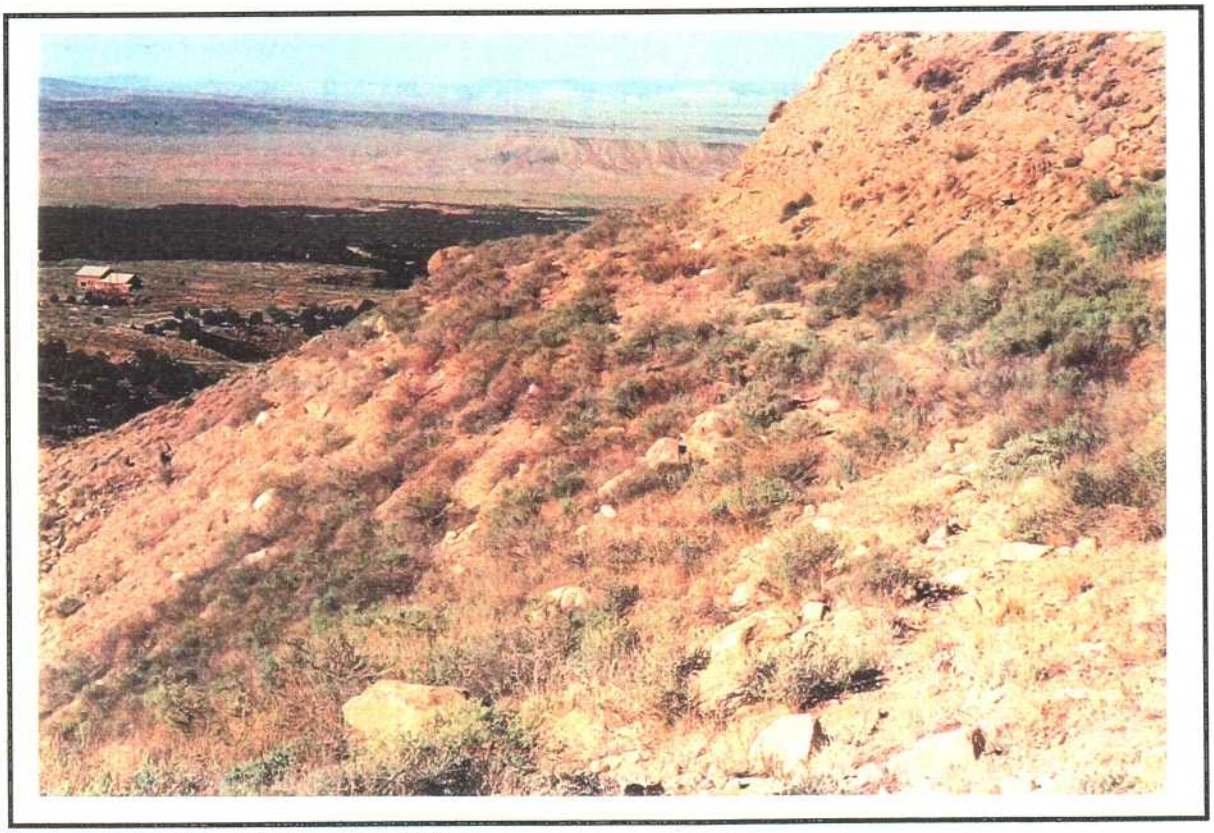


Figure 5: Reclaimed Road (2 of 2)

Figure 6: Reference Area (1 of 2)

Figure 7: Reference Area (2 of 2)

APPENDIX

(Raw Data)

SUNNYSIDE CO-GENERATION
Reclaimed Road
Exposure:
Slope:

Sample Date: 27 Aug 2004	1.00	2.00	3.00	4.00	5.00	6.00	7.00
TREES & SHRUBS							
Atriplex canescens	35.00	10.00	0.00	15.00	30.00	40.00	25.00
Atriplex confertifolia	0.00	5.00	0.00	0.00	0.00	0.00	0.00
Atriplex corrugata	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ceratoides lanata	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
Salsola pestifer	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	5.00	10.00	30.00	5.00	5.00	0.00	25.00
Elymus lanceolatus	0.00	0.00	0.00	5.00	0.00	0.00	0.00
Elymus smithii	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COVER							
Total Living Cover	40.00	25.00	30.00	25.00	35.00	40.00	50.00
Litter	10.00	10.00	5.00	10.00	20.00	20.00	10.00
Bareground	25.00	25.00	20.00	15.00	25.00	10.00	15.00
Rock	25.00	40.00	45.00	50.00	20.00	30.00	25.00
% COMPOSITION							
Shrubs	87.50	60.00	0.00	60.00	85.71	100.00	50.00
Forbs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grasses	12.50	40.00	100.00	40.00	14.29	0.00	50.00

8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
15.00	20.00	0.00	15.00	0.00	0.00	20.00	20.00	40.00	10.00
0.00	0.00	0.00	20.00	15.00	30.00	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	45.00	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	3.00
0.00	0.00	0.00	0.00	0.00	0.00	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
15.00	10.00	15.00	10.00	0.00	5.00	20.00	5.00	10.00	17.00
0.00	7.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00
0.00	3.00	0.00	0.00	10.00	0.00	0.00	0.00	5.00	0.00
40.00	40.00	60.00	45.00	50.00	35.00	40.00	25.00	70.00	30.00
15.00	15.00	10.00	15.00	5.00	5.00	15.00	10.00	10.00	10.00
15.00	15.00	10.00	15.00	20.00	40.00	20.00	10.00	15.00	35.00
30.00	30.00	20.00	25.00	25.00	20.00	25.00	55.00	5.00	25.00
62.50	50.00	75.00	77.78	50.00	85.71	50.00	80.00	71.43	33.33
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
37.50	50.00	25.00	22.22	50.00	14.29	50.00	20.00	28.57	56.67

18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00
35.00	35.00	25.00	10.00	55.00	5.00	5.00	0.00	15.00	15.00
0.00	0.00	0.00	20.00	0.00	0.00	0.00	25.00	5.00	10.00
0.00	0.00	0.00	0.00	0.00	0.00	15.00	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	7.00	0.00	0.00	0.00	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
25.00	5.00	0.00	25.00	13.00	15.00	0.00	20.00	5.00	5.00
5.00	0.00	25.00	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	5.00	0.00	5.00	25.00
70.00	40.00	50.00	60.00	75.00	20.00	25.00	45.00	40.00	55.00
20.00	10.00	15.00	5.00	10.00	10.00	5.00	10.00	10.00	10.00
5.00	20.00	10.00	10.00	10.00	20.00	25.00	15.00	10.00	15.00
5.00	30.00	25.00	25.00	5.00	50.00	45.00	30.00	40.00	20.00
50.00	87.50	50.00	50.00	73.33	25.00	80.00	55.56	75.00	45.45
0.00	0.00	0.00	0.00	9.33	0.00	0.00	0.00	0.00	0.00
50.00	12.50	50.00	50.00	17.33	75.00	20.00	44.44	25.00	54.55

28.00	29.00	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00
0.00	25.00	0.00	0.00	10.00	5.00	0.00	25.00	10.00	0.00
10.00	0.00	0.00	10.00	10.00	15.00	0.00	0.00	0.00	20.00
15.00	0.00	0.00	10.00	0.00	0.00	40.00	0.00	0.00	0.00
0.00	0.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	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
15.00	15.00	5.00	5.00	0.00	0.00	20.00	20.00	0.00	25.00
0.00	0.00	0.00	0.00	0.00	10.00	0.00	5.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
40.00	40.00	50.00	25.00	20.00	30.00	65.00	50.00	20.00	45.00
5.00	20.00	15.00	5.00	10.00	10.00	20.00	15.00	5.00	5.00
35.00	30.00	25.00	10.00	20.00	15.00	10.00	10.00	70.00	10.00
20.00	10.00	10.00	60.00	50.00	45.00	5.00	25.00	5.00	40.00
62.50	62.50	90.00	80.00	100.00	66.67	61.54	50.00	50.00	44.44
0.00	0.00	0.00	0.00	0.00	0.00	7.69	0.00	0.00	0.00
37.50	37.50	10.00	20.00	0.00	33.33	30.77	50.00	50.00	55.56

SUNNYSIDE CO-GENERATION
Reclaimed Road
Exposure:
Slope:
Sample Date: 27 Aug 2004

38.00	39.00	40.00	Mean	SDev	Freq	
						TREES & SHRUBS
15.00	20.00	35.00	16.00	13.97	75.00	*Atriplex canescens*
0.00	0.00	0.00	5.13	8.18	35.00	*Atriplex confertifolia*
0.00	0.00	0.00	2.50	7.25	15.00	*Atriplex corrugata*
0.00	5.00	0.00	2.63	9.87	10.00	*Ceratoides lanata*
						FORBS
0.00	0.00	0.00	0.25	1.18	5.00	*Halogeton glomeratus*
0.00	0.00	0.00	0.13	0.78	2.50	*Salsola pestifer*
						GRASSES
0.00	0.00	0.00	0.25	1.09	5.00	*Agropyron cristatum*
5.00	15.00	0.00	10.63	8.61	80.00	*Bromus tectorum*
5.00	0.00	0.00	2.05	4.89	22.50	*Elymus lanceolatus*
0.00	0.00	0.00	1.58	4.50	17.50	*Elymus smithii*
						COVER
25.00	40.00	35.00	41.13	14.25		Total Living Cover
10.00	10.00	5.00	10.88	4.73		Litter
40.00	25.00	10.00	19.50	11.87		Bareground
25.00	25.00	50.00	28.50	14.76		Rock
						% COMPOSITION
60.00	62.50	100.00	64.02	20.70		Shrubs
0.00	0.00	0.00	0.68	2.39		Forbs
40.00	37.50	0.00	35.30	20.55		Grasses

SUNNYSIDE CO-GENERATION
Atriplex Reference Area
Exposure:
Slope:

Sample Date: 27 Aug 2004	1.00	2.00	3.00	4.00	5.00	6.00	7.00
TREES & SHRUBS							
Atriplex corrugata	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Atriplex confertifolia	25.00	30.00	10.00	20.00	5.00	20.00	0.00
Gutierrezia sarothrae	0.00	0.00	0.00	7.00	0.00	0.00	5.00
FORBS							
Halogeton glomeratus	0.00	0.00	0.00	3.00	0.00	0.00	0.00
Salsola pestifer	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 salinus	5.00	0.00	25.00	0.00	15.00	10.00	20.00
COVER							
Total Living Cover	30.00	30.00	35.00	30.00	20.00	30.00	25.00
Litter	5.00	15.00	10.00	15.00	5.00	10.00	3.00
Bareground	10.00	5.00	10.00	5.00	20.00	10.00	2.00
Rock	55.00	50.00	45.00	50.00	55.00	50.00	70.00
% COMPOSITION							
Shrubs	83.33	100.00	28.57	90.00	25.00	66.67	20.00
Forbs	0.00	0.00	0.00	10.00	0.00	0.00	0.00
Grasses	16.67	0.00	71.43	0.00	75.00	33.33	80.00

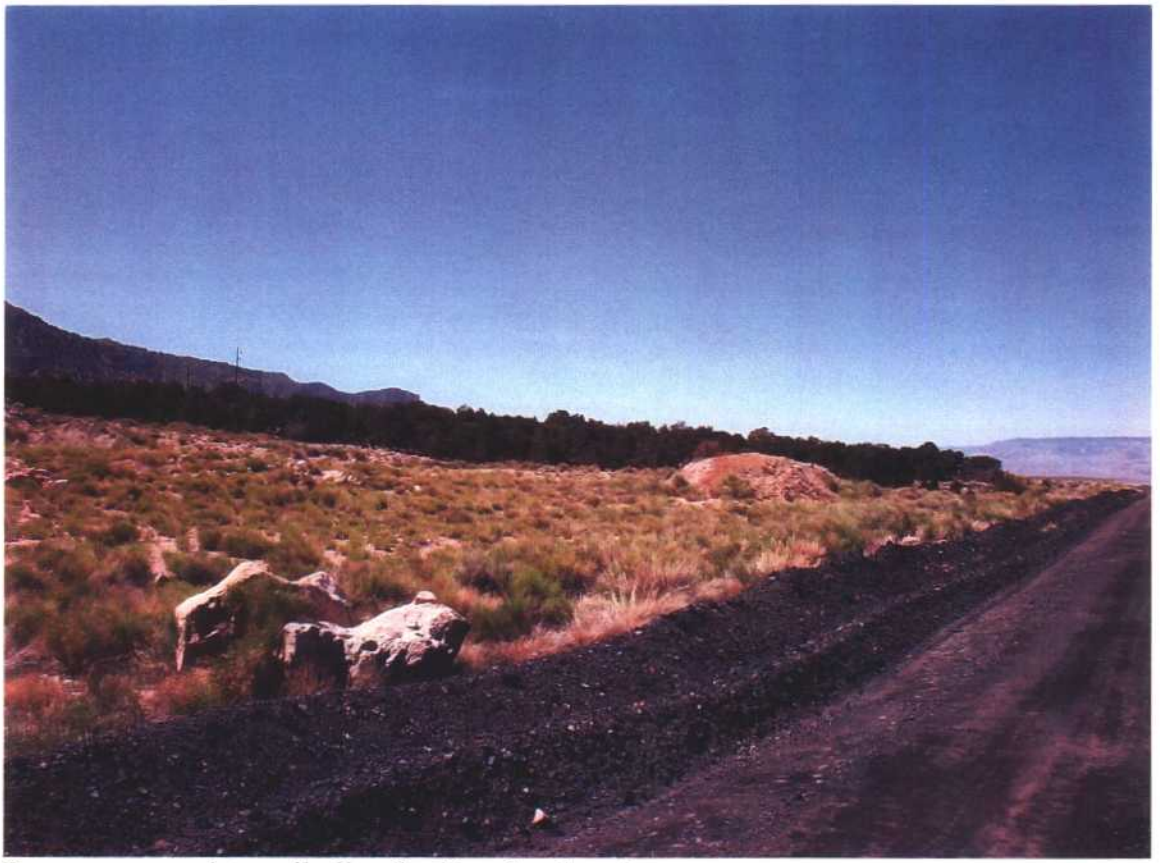
8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	5.00	10.00	20.00	0.00	20.00	15.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	5.00	0.00	10.00	5.00	5.00	11.00	5.00	0.00
25.00	20.00	5.00	0.00	25.00	15.00	5.00	10.00	20.00	20.00
35.00	25.00	20.00	40.00	35.00	40.00	25.00	25.00	25.00	20.00
5.00	5.00	10.00	10.00	10.00	5.00	5.00	5.00	10.00	5.00
5.00	10.00	5.00	5.00	5.00	5.00	5.00	10.00	10.00	10.00
55.00	60.00	65.00	45.00	50.00	50.00	65.00	60.00	55.00	65.00
0.00	20.00	50.00	100.00	0.00	50.00	60.00	16.00	0.00	0.00
14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.71	80.00	50.00	0.00	100.00	50.00	40.00	84.00	100.00	100.00

SUNNYSIDE CO-GENERATION
Atriplex Reference Area
Exposure:
Slope:
Sample Date: 27 Aug 2004

18.00	19.00	20.00	Mean	SDev	Freq	
						TREES & SHRUBS
0.00	0.00	0.00	1.00	4.36	5.00	*Atriplex corrugata*
5.00	10.00	20.00	10.75	9.52	70.00	*Atriplex confertifolia*
0.00	0.00	0.00	0.80	1.96	15.00	*Gutierrezia sarothrae*
						FORBS
0.00	0.00	10.00	0.65	2.24	10.00	*Halogeton glomeratus*
0.00	0.00	0.00	0.25	1.09	5.00	*Salsola pestifer*
						GRASSES
0.00	0.00	5.00	2.55	3.47	40.00	*Bromus tectorum*
35.00	20.00	0.00	13.75	10.11	80.00	*Elymus salinus*
						COVER
40.00	30.00	35.00	29.75	6.42		Total Living Cover
15.00	5.00	10.00	8.15	3.75		Litter
5.00	5.00	10.00	7.60	3.87		Bareground
40.00	60.00	45.00	54.50	7.89		Rock
						% COMPOSITION
12.50	33.33	57.14	40.63	33.25		Shrubs
0.00	0.00	28.57	2.64	7.00		Forbs
87.50	66.67	14.29	56.73	34.54		Grasses

Borrow area and topsoil piles (looking East)

Borrow area and topsoil piles (looking East / Southeast)



Borrow area and topsoil piles (looking Southeast)

East Bank of East Slurry Cell

South bank of East Slurry Cell (looking northerly)

Coarse Refuse Pile – North Face upper lifts revegetated

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 23, 2004

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 2004
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 at (435)888-4476.

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott
Plant Manager

c.c. Karl Houskeeper/Division of Oil, Gas & Mining
Rusty Netz, COSI
Plant File

TAB 2

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: First Quarter 2004
Samples taken March 30, 2004

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	7.6	8.12	1857	8.83	2	NW/F
Columbia Dugway Spring	F-2	6.7	8.3	1829	9.8	30	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	6.2	7.65	4950	8.97	15	2
Dragerton Well	Well-1	11.1	8.27	1011	8.32	0	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

April 15, 2004

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

RECEIVED 1430
SAMPLED 0930

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26255

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	534	5	mg/l as HCO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Total	438	5	mg/l as $CaCO_3$	EPA 310.1	04-02-2004 0830 JJ
Aluminum, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Anions	23.5	----	meq/l	----------	04-15-2004 0915 SJ
Arsenic, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Boron, Dissolved	0.207	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Cadmium, Dissolved	<0.001	0.001	mg/l	EPA 200.7	04-02-2004 1609 DI
Calcium, Dissolved	87.50	0.03	mg/l	EPA 200.7	04-02-2004 1609 DI
Cations	22.8	----	meq/l	----------	04-15-2004 0915 SJ
Chloride	43	1	mg/l	EPA 300.0	04-01-2004 0646 BLP
Copper, Dissolved	<0.010	0.010	mg/l	EPA 20001	04-02-2004 1609 DI
Hardness, Total	688	----	mg/l as $CaCO_3$	SM2340-B	04-15-2004 0915 SJ
Iron, Total	0.562	0.050	mg/l	EPA 200.7	04-07-2004 1510 DI
Iron, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Lead, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Magnesium, Dissolved	114.00	0.01	mg/l	EPA 200.7	04-02-2004 1609 DI
Manganese, Total	0.031	0.002	mg/l	EPA 200.7	04-07-2004 1510 DI
Manganese, Dissolved	0.003	0.002	mg/l	EPA 200.7	04-02-2004 1609 DI
Molybdenum, Dissolved	0.005	0.005	mg/l	EPA 200.7	04-02-2004 1609 DI
Nitrogen, Ammonia	0.1	0.1	mg/l as N	EPA 350.3	04-05-2004 0830 JJ
Nitrogen, Nitrate	0.04	0.03	mg/l as N	EPA 300.0	04-01-2004 0855 BLP
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	04-01-2004 0855 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	04-07-2004 0800 JJ

MEMBER CIL

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

April 15, 2004

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

RECEIVED 1430
SAMPLED 0930

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26255

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	04-01-2004 0855 BLP
Potassium, Dissolved	3.33	0.14	mg/l	EPA 200.7	04-02-2004 1609 DI
Selenium, Dissolved	0.037	0.020	mg/l	EPA 200.7	04-02-2004 1609 DI
Sodium, Dissolved	207.00	0.09	mg/l	EPA 200.7	04-02-2004 1609 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	03-31-2004 1445 DI
Solids, Total Dissolved	1303	30	mg/l	EPA 160.1	04-01-2004 1000 JJ
Solids, Total Suspended	10	5	mg/l	EPA 160.2	04-01-2004 1000 JJ
Sulfate	651	1	mg/l	EPA 300.0	04-13-2004 1218 BLP
Zinc, Dissolved	<0.004	0.004	mg/l	EPA 200.7	04-02-2004 1609 DI
Cation/Anion Balance	-1.5	----	%		04-15-2004 0915 SJ

MEMBER CIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

April 15, 2004

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

RECEIVED 1430
SAMPLED 1000

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26256

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	564	5	mg/l as HCO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Total	462	5	mg/l as $CaCO_3$	EPA 310.1	04-02-2004 0830 JJ
Aluminum, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Anions	23.5	----	meq/l	---------	04-15-2004 0915 SJ
Arsenic, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Boron, Dissolved	0.201	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Cadmium, Dissolved	<0.001	0.001	mg/l	EPA 200.7	04-02-2004 1609 DI
Calcium, Dissolved	101.00	0.03	mg/l	EPA 200.7	04-02-2004 1609 DI
Cations	23.0	----	meq/l	---------	04-15-2004 0915 SJ
Chloride	42	1	mg/l	EPA 300.0	04-01-2004 0646 BLP
Copper, Dissolved	<0.010	0.010	mg/l	EPA 20001	04-02-2004 1609 DI
Hardness, Total	709	----	mg/l as $CaCO_3$	SM2340-B	04-15-2004 0915 SJ
Iron, Total	0.266	0.050	mg/l	EPA 200.7	04-07-2004 1510 DI
Iron, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Lead, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Magnesium, Dissolved	111.00	0.01	mg/l	EPA 200.7	04-02-2004 1609 DI
Manganese, Total	0.033	0.002	mg/l	EPA 200.7	04-07-2004 1510 DI
Manganese, Dissolved	0.028	0.002	mg/l	EPA 200.7	04-02-2004 1609 DI
Molybdenum, Dissolved	0.005	0.005	mg/l	EPA 200.7	04-02-2004 1609 DI
Nitrogen, Ammonia	0.2	0.1	mg/l as N	EPA 350.3	04-05-2004 0830 JJ
Nitrogen, Nitrate	0.07	0.03	mg/l as N	EPA 300.0	04-01-2004 0910 BLP
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	04-01-2004 0910 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	04-07-2004 0800 JJ

MEMBER CIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

April 15, 2004

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

RECEIVED 1430
SAMPLED 1000

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26256

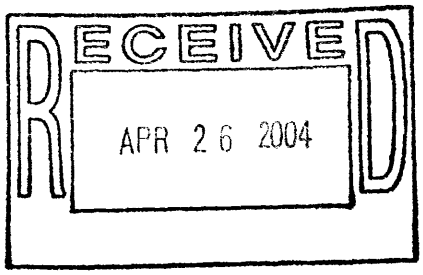
Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	04-01-2004 0910 BLP
Potassium, Dissolved	3.34	0.14	mg/l	EPA 200.7	04-02-2004 1609 DI
Selenium, Dissolved	0.034	0.020	mg/l	EPA 200.7	04-02-2004 1609 DI
Sodium, Dissolved	202.00	0.09	mg/l	EPA 200.7	04-02-2004 1609 DI
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	03-31-2004 1445 DI
Solids, Total Dissolved	1340	30	mg/l	EPA 160.1	04-01-2004 1000 JJ
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	04-01-2004 1000 JJ
Sulfate	630	1	mg/l	EPA 300.0	04-13-2004 1218 BLP
Zinc, Dissolved	<0.004	0.004	mg/l	EPA 200.7	04-02-2004 1609 DI
Cation/Anion Balance	-1.1	----	%		04-15-2004 0915 SJ

MEMBER CIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS



April 22, 2004

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

RECEIVED 1430
SAMPLED 0900

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Netz

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26257

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	415	5	mg/l as HCO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Total	340	5	mg/l as $CaCO_3$	EPA 310.1	04-02-2004 0830 JJ
Aluminum, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Anions	81.0	----	meq/l	---------	04-22-2004 1430 SJ
Arsenic, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Boron, Dissolved	1.200	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Cadmium, Dissolved	<0.001	0.001	mg/l	EPA 200.7	04-02-2004 1609 DI
Calcium, Dissolved	466.00	0.03	mg/l	EPA 200.7	04-15-2004 1638 JJ
Cations	77.2	----	meq/l	---------	04-22-2004 1430 SJ
Chloride	126	1	mg/l	EPA 300.0	04-01-2004 0646 BLP
Copper, Dissolved	<0.010	0.010	mg/l	EPA 20001	04-02-2004 1609 DI
Hardness, Total	2696	----	mg/l as $CaCO_3$	SM2340-B	04-22-2004 1430 SJ
Iron, Total	<0.050	0.050	mg/l	EPA 200.7	04-07-2004 1510 DI
Iron, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Lead, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Magnesium, Dissolved	372.00	0.01	mg/l	EPA 200.7	04-15-2004 1638 JJ
Manganese, Total	<0.002	0.002	mg/l	EPA 200.7	04-07-2004 1510 DI
Manganese, Dissolved	<0.002	0.002	mg/l	EPA 200.7	04-02-2004 1609 DI
Molybdenum, Dissolved	<0.005	0.005	mg/l	EPA 200.7	04-02-2004 1609 DI
Nitrogen, Ammonia	<0.1	0.1	mg/l as N	EPA 350.3	04-05-2004 0830 JJ
Nitrogen, Nitrate	0.35	0.03	mg/l as N	EPA 300.0	04-01-2004 0924 BLP
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	04-01-2004 0924 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	04-07-2004 0800 JJ

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

April 22, 2004

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

RECEIVED 1430
SAMPLED 0900

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Netz

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26257

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	04-01-2004 0924 BLP
Potassium, Dissolved	26.50	0.14	mg/l	EPA 200.7	04-15-2004 1638 JJ
Selenium, Dissolved	0.040	0.020	mg/l	EPA 200.7	04-02-2004 1609 DI
Sodium, Dissolved	522.00	0.09	mg/l	EPA 200.7	04-20-2004 1703 JJ
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	03-31-2004 1445 DI
Solids, Total Dissolved	5247	30	mg/l	EPA 160.1	04-01-2004 1000 JJ
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	04-01-2004 1000 JJ
Sulfate	3393	1	mg/l	EPA 300.0	04-22-2004 1155 DI
Zinc, Dissolved	<0.004	0.004	mg/l	EPA 200.7	04-02-2004 1609 DI
Cation/Anion Balance	-2.4	----	%		04-22-2004 1430 SJ

MEMBER ACIL

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

April 15, 2004

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

RECEIVED 1430
SAMPLED 1030

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26254

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	528	5	mg/l as HCO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	04-02-2004 0830 JJ
Alkalinity, Total	436	5	mg/l as $CaCO_3$	EPA 310.1	04-02-2004 0830 JJ
Aluminum, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Anions	11.6	----	meq/l	----------	04-15-2004 1230 SJ
Arsenic, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Boron, Dissolved	0.119	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Cadmium, Dissolved	<0.001	0.001	mg/l	EPA 200.7	04-02-2004 1609 DI
Calcium, Dissolved	45.60	0.03	mg/l	EPA 200.7	04-02-2004 1609 DI
Cations	11.7	----	meq/l	----------	04-15-2004 1230 SJ
Chloride	16	1	mg/l	EPA 300.0	04-01-2004 0646 BLP
Copper, Dissolved	<0.010	0.010	mg/l	EPA 20001	04-02-2004 1609 DI
Hardness, Total	333	----	mg/l as $CaCO_3$	SM2340-B	04-15-2004 1230 SJ
Iron, Total	1.660	0.050	mg/l	EPA 200.7	04-07-2004 1510 DI
Iron, Dissolved	<0.030	0.030	mg/l	EPA 200.7	04-02-2004 1609 DI
Lead, Dissolved	<0.010	0.010	mg/l	EPA 200.7	04-02-2004 1609 DI
Magnesium, Dissolved	53.10	0.01	mg/l	EPA 200.7	04-02-2004 1609 DI
Manganese, Total	0.067	0.002	mg/l	EPA 200.7	04-07-2004 1510 DI
Manganese, Dissolved	<0.002	0.002	mg/l	EPA 200.7	04-02-2004 1609 DI
Molybdenum, Dissolved	<0.005	0.005	mg/l	EPA 200.7	04-02-2004 1609 DI
Nitrogen, Ammonia	0.1	0.1	mg/l as N	EPA 350.3	04-05-2004 0830 JJ
Nitrogen, Nitrate	<0.03	0.03	mg/l as N	EPA 300.0	04-01-2004 0827 BLP
Nitrogen, Nitrite	<0.03	0.03	mg/l as N	EPA 300.0	04-01-2004 0827 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	04-07-2004 0800 JJ

MEMBER CIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

April 15, 2004

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

RECEIVED 1430
SAMPLED 1030

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled March 30, 2004

Date received March 31, 2004

NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26254

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Phosphorous, Ortho-PO_4	<0.05	0.05	mg/l as P	EPA 300.0	04-01-2004 0827 BLP
Potassium, Dissolved	6.19	0.14	mg/l	EPA 200.7	04-02-2004 1609 DI
Selenium, Dissolved	0.034	0.020	mg/l	EPA 200.7	04-02-2004 1609 DI
Silicium, Dissolved	113.00	0.09	mg/l	EPA 200.7	04-02-2004 1609 DI
Solids, Total Dissolved	652	30	mg/l	EPA 160.1	04-01-2004 1000 JJ
Sulfate	120	1	mg/l	EPA 300.0	04-01-2004 0646 BLP
Zinc, Dissolved	<0.004	0.004	mg/l	EPA 200.7	04-02-2004 1609 DI
Cation/Anion Balance	0.5	----	%		04-15-2004 1230 SJ

MEMBER CIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

APPENDIX B-3
WATER MONITORING

SECOND QUARTER

Sunnyside Cogeneration Associates

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

July 22, 2004

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 2004
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 at (435)888-4476.

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott
Plant Manager

c.c. Karl Houskeeper/Division of Oil, Gas & Mining
Rusty Netz, COSI
Plant File

TABLE 2

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Second Quarter 2004
Samples taken June 28, 2004

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	NW	NW	NW	NW	NW	NW
Columbia Dugway Spring	F-2	13.4	8.08	1839	7.9	4	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	13.1	7.52	5020	8.1	8	2
Dragerton Well	Well-1	NW	NW	NW	NW	NW	NW
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

July 21, 2004

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.Net

Date sampled June 28, 2004

Date received June 29, 2004

RECEIVED 1230
SAMPLED 0900
FIELD MEASUREMENTS
FLOW 4 TEMP 13.4
COND 1839 pH 8.08
D.O. 7.9
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26566

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	526	5	mg/l as HCO_3	EPA 310.1	06-30-2004 1410 BLP
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	06-30-2004 1410 BLP
Alkalinity, Total	526	5	mg/l as $CaCO_3$	EPA 310.1	06-30-2004 1410 BLP
Anions	22.0	----	meq/l	---------	07-21-2004 1500 BLP
Calcium, Dissolved	95.900	0.05	mg/l	EPA 200.7	07-02-2004 1351 JJ
Cations	22.3	----	meq/l	---------	07-21-2004 1500 BLP
Chloride	41	1.0	mg/l	EPA 300.0	06-30-2004 1130 BLP
Conductivity	1861	----	umhos/cm	SM2510-B	07-06-2004 0800 JJ
Hardness, Total	688	----	mg/l as $CaCO_3$	SM2340-B	07-21-2004 1500 BLP
Iron, Total	0.653	0.02	mg/l	EPA 200.7	07-06-2004 1352 BLP
Iron, Dissolved	<0.030	0.005	mg/l	EPA 200.7	07-02-2004 1351 JJ
Magnesium, Dissolved	109.000	0.02	mg/l	EPA 200.7	07-02-2004 1351 JJ
Manganese, Total	0.059	0.005	mg/l	EPA 200.7	07-06-2004 1352 BLP
Manganese, Dissolved	0.046	0.005	mg/l	EPA 200.7	07-02-2004 1351 JJ
Oil & Grease	<2	2	mg/l	EPA 413.1	07-20-2004 0800 BLP
Potassium, Dissolved	3.030	0.5	mg/l	EPA 200.7	07-02-2004 1351 JJ
Sodium, Dissolved	194.000	0.1	mg/l	EPA 200.7	07-02-2004 1351 JJ
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	06-29-2004 1300 BLP
Solids, Total Dissolved	1382	30	mg/l	EPA 160.1	07-01-2004 0805 JJ
Solids, Total Suspended	8	5	mg/l	EPA 160.2	07-01-2004 0805 JJ
Sulfate	585	1.0	mg/l	EPA 300.0	07-13-2004 1128 DI
Cation/Anion Balance	0.7	----	%		07-21-2004 1500 BLP

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

July 21, 2004

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.Net

Date sampled June 28, 2004

Date received June 29, 2004

RECEIVED 1230
SAMPLED 0800
FIELD MEASUREMENTS
FLOW 8 TEMP 13.1
COND 5020 pH 7.52
D.O. 8.1
NOTES:
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26567

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	336	5	mg/l as HCO_3	EPA 310.1	06-30-2004 1410	BLP
Alkalinity, Carbonate	<5	5	mg/l as CO_3	EPA 310.1	06-30-2004 1410	BLP
Alkalinity, Total	336	5	mg/l as $CaCO_3$	EPA 310.1	06-30-2004 1410	BLP
Anions	82.4	----	meq/l	----------	07-21-2004 1230	SJ
Calcium, Dissolved	446.000	0.05	mg/l	EPA 200.7	07-02-2004 1351	JJ
Cations	78.9	----	meq/l	----------	07-21-2004 1230	SJ
Chloride	163	1.0	mg/l	EPA 300.0	06-30-2004 1130	BLP
Conductivity	394	----	umhos/cm	SM2510-B	07-06-2004 0800	JJ
Hardness, Total	2694	----	mg/l as $CaCO_3$	SM2340-B	07-21-2004 1230	SJ
Iron, Total	0.152	0.02	mg/l	EPA 200.7	07-06-2004 1352	BLP
Iron, Dissolved	<0.030	0.005	mg/l	EPA 200.7	07-02-2004 1351	JJ
Magnesium, Dissolved	384.000	0.02	mg/l	EPA 200.7	07-02-2004 1351	JJ
Manganese, Total	0.060	0.005	mg/l	EPA 200.7	07-06-2004 1352	BLP
Manganese, Dissolved	0.055	0.005	mg/l	EPA 200.7	07-02-2004 1351	JJ
Oil & Grease	<2	2	mg/l	EPA 413.1	07-20-2004 0800	BLP
Potassium, Dissolved	32.700	0.5	mg/l	EPA 200.7	07-02-2004 1351	JJ
Sodium, Dissolved	556.000	0.1	mg/l	EPA 200.7	07-02-2004 1351	JJ
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	06-29-2004 1300	BLP
Solids, Total Dissolved	5747	30	mg/l	EPA 160.1	07-01-2004 0805	JJ
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	07-01-2004 0805	JJ
Sulfate	3474	1.0	mg/l	EPA 300.0	07-20-2004 1523	JJ
Cation/Anion Balance	-2.2	----	%		07-21-2004 1230	SJ

MEMBER CCIL

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

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 15, 2004

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: July, August, September 2004
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 at (435)888-4476.

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott
Plant Manager

c.c. Karl Houskeeper/Division of Oil, Gas & Mining
Rusty Netz, COSI
Plant File

TAB 2

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Third Quarter 2004
Samples taken September 13, 2004

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	NW	NW	NW	NW	NW	NW
Columbia Dugway Spring	F-2	14.4	7.98	1985	8.6	2	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	14	7.51	5410	8.3	8	2
Dragerton Well	Well-1	NW	NW	NW	NW	NW	NW
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 1, 2004

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 Rusty Net

Date sampled September 13, 2008

Date received September 14, 2004

RECEIVED 1155
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 2 TEMP 14.4
COND 1985 pH 7.98
D.O. 8.6
ph AND DO EXPIRED WHEN RECIEVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26830

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	6	5	mg/l as $CaCO_3$	D1067-92	09-17-2004 0845 JJ
Alkalinity, Bicarbonate	586	5	mg/l as $CaCO_3$	SM 2320 B	09-16-2004 0939 BLP
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	SM 2320 B	09-16-2004 0939 BLP
Alkalinity, Total	586	5	mg/l as $CaCO_3$	SM 2320.1	09-16-2004 0939 BLP
Anions	24.5	----	meq/l	----------	10-01-2004 0930 SJ
Calcium, Total	107.00	0.03	mg/l	EPA 200.7	09-29-2004 1446 BLP
Calcium, Dissolved	107.00	0.03	mg/l	EPA 200.7	09-28-2004 1230 BLP
Cations	26.1	----	meq/l	----------	10-01-2004 0930 SJ
Chloride	38	1	mg/l	EPA 300.0	09-16-2004 0843 BLP
Conductivity	2070	----	umhos/cm	SM2510-B	09-15-2004 1000 JJ
Hardness, Total	790	----	mg/l as $CaCO_3$	SM2340-B	10-01-2004 0930 SJ
Iron, Total	0.35	0.050	mg/l	EPA 200.7	09-29-2004 1446 BLP
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	09-28-2004 1230 BLP
Magnesium, Total	127.00	0.01	mg/l	EPA 200.7	09-29-2004 1446 BLP
Magnesium, Dissolved	127.00	0.01	mg/l	EPA 200.7	09-28-2004 1230 BLP
Manganese, Total	0.130	0.002	mg/l	EPA 200.7	09-29-2004 1446 BLP
Manganese, Dissolved	0.040	0.002	mg/l	EPA 200.7	09-28-2004 1230 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	09-23-2004 0800 JJ
Oxygen, Dissolved	11.18	----	mg/l	EPA 360.1	09-15-2004 1230 JJ
pH	8.26	----	pH units	EPA 150.1	09-14-2004 1200 JJ
Potassium, Total	3.31	0.14	mg/l	EPA 200.7	09-29-2004 1446 BLP
Potassium, Dissolved	3.19	0.14	mg/l	EPA 200.7	09-28-2004 1230 BLP
Sodium, Total	235.00	0.09	mg/l	EPA 200.7	09-29-2004 1446 BLP
Sodium, Dissolved	235.00	0.09	mg/l	EPA 200.7	09-28-2004 1230 BLP

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

October 1, 2004

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 Rusty Net

Date sampled September 13, 2008

Date received September 14, 2004

RECEIVED 1155
SAMPLED 1000
FIELD MEASUREMENTS
FLOW 2 TEMP 14.4
COND 1985 pH 7.98
D.O. 8.6
ph AND DO EXPIRED WHEN RECIEVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26830

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-15-2004 0840 JJ
Solids, Total Dissolved	1475	30	mg/l	EPA 160.1	09-16-2004 0900 DI
Solids, Total Suspended	22	5	mg/l	EPA 160.2	09-16-2004 0900 DI
Sulfate	561	1	mg/l	EPA 300.0	09-16-2004 0843 BLP
Turbidity	13.0	0.1	NTU	EPA 180.1	09-16-2004 0900 DI
Cation/Anion Balance	3.2	----	%		10-01-2004 0930 SJ

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

October 18, 2004

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:CRB
RECEIVED 1155
SAMPLED 0915
FIELD MEASUREMENTS
FLOW 8 TEMP 14
COND 5410 pH 7.51
D.O. 8.3
ph AND DO EXPIRED WHEN RECIEVED
SETTLEABLE SOLIDS EXPIRED WHEN
ANALYZED,RERUN FOR BALANCE
DIS.METALS
FILTERED @ LAB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled September 13, 2008

Date received September 14, 2004

Analysis report no. 59-26831

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	13	5	mg/l as $CaCO_3$	D1067-92	09-17-2004 0845 JJ
Alkalinity, Bicarbonate	352	5	mg/l as $CaCO_3$	SM 2320 B	09-16-2004 0939 BLP
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	SM 2320 B	09-16-2004 0939 BLP
Alkalinity, Total	352	5	mg/l as $CaCO_3$	SM 2320.1	09-16-2004 0939 BLP
Anions	88.9	----	meq/l	----------	10-15-2004 1330 SJ
Calcium, Total	460.00	0.03	mg/l	EPA 200.7	09-29-2004 1446 BLP
Calcium, Dissolved	453.00	0.03	mg/l	EPA 200.7	09-28-2004 1230 BLP
Cations	79.7	----	meq/l	----------	10-15-2004 1330 SJ
Chloride	126	1	mg/l	EPA 300.0	09-16-2004 0843 BLP
Conductivity	5840	----	umhos/cm	SM2510-B	09-15-2004 1000 JJ
Hardness, Total	2737	----	mg/l as $CaCO_3$	SM2340-B	10-15-2004 1330 SJ
Iron, Total	0.11	0.050	mg/l	EPA 200.7	09-29-2004 1446 BLP
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	09-28-2004 1230 BLP
Magnesium, Total	415.00	0.01	mg/l	EPA 200.7	09-29-2004 1446 BLP
Magnesium, Dissolved	390.00	0.01	mg/l	EPA 200.7	09-28-2004 1230 BLP
Manganese, Total	0.022	0.002	mg/l	EPA 200.7	09-29-2004 1446 BLP
Manganese, Dissolved	0.009	0.002	mg/l	EPA 200.7	09-28-2004 1230 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	09-23-2004 0800 JJ
Oxygen, Dissolved	10.28	----	mg/l	EPA 360.1	09-15-2004 1230 JJ
pH	7.89	----	pH units	EPA 150.1	09-14-2004 1200 JJ
Potassium, Total	38.00	0.14	mg/l	EPA 200.7	09-29-2004 1446 BLP
Potassium, Dissolved	35.30	0.14	mg/l	EPA 200.7	09-28-2004 1230 BLP
Sodium, Total	606.00	0.09	mg/l	EPA 200.7	09-29-2004 1446 BLP
Sodium, Dissolved	554.00	0.09	mg/l	EPA 200.7	09-28-2004 1230 BLP

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

October 18, 2004

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by Rusty Net

Date sampled September 13, 2008

Date received September 14, 2004

ID:CRB
RECEIVED 1155
SAMPLED 0915
FIELD MEASUREMENTS
FLOW 8 TEMP 14
COND 5410 pH 7.51
D.O. 8.3
ph AND DO EXPIRED WHEN RECIEVED
SETTLEABLE SOLIDS EXPIRED WHEN ANALYZED,RERUN FOR BALANCE
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-26831

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-15-2004 0840 JJ
Solids, Total Dissolved	5825	30	mg/l	EPA 160.1	09-16-2004 0900 DI
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	09-16-2004 0900 DI
Sulfate	3759	1	mg/l	EPA 300.0	09-16-2004 0843 BLP
Turbidity	3.0	0.1	NTU	EPA 180.1	09-16-2004 0900 DI
Cation/Anion Balance	-5.4	----	%		10-15-2004 1330 SJ

MBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

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 10, 2005

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: October, November, December 2004
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 at (435)888-4476.

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott
Plant Manager

c.c. Karl Houskeeper/Division of Oil, Gas & Mining
Rusty Netz, COSI
Plant File

TABLE 2

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Fourth Quarter 2004
Samples taken November 30, 2004

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	NW	NW	NW	NW	NW	NW
Columbia Dugway Spring	F-2	1	8.7	1720	9.61	5	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	NW	NW	NW	NW	NW	NW
Dragerton Well	Well-1	6.1	7.81	1108	9.1	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

January 11, 2005

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F-2
RECEIVED 1100
SAMPLED 0930
FIELD MEASUREMENTS
TEMP 1.0 D.O. 8.7
COND 1720 pH 9.61
FLOW 5
SETTLEABLE SOLIDS EXPIRED WHEN RECIEVED, IRON & MANGANESE DISSOLVED WAS ADDED TO ANALYSIS
DIS.METALS
FILTERED @ LAB
Page 1 of 1

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by R.Netz

Date sampled November 30, 2004

Date received December 2, 2004

Analysis report no. 59-27134

Parameter	Result	MRL	Units		Method	Analyzed Date/Time/Analyst	
Acidity	<5	5	mg/l	as $CaCO_3$	D1067-92	12-03-2004 0820	BLP
Alkalinity, Bicarbonate	535	5	mg/l	as $CaCO_3$	SM 2320 B	12-09-2004 1151	BW
Alkalinity, Carbonate	<5	5	mg/l	as $CaCO_3$	SM 2320 B	12-09-2004 1151	BW
Alkalinity, Total	535	5	mg/l	as $CaCO_3$	SM 2320.1	12-09-2004 1151	BW
Anions	31.1	----	meq/l		---------	12-22-2004 1445	SJ
Calcium, Dissolved	141.00	0.03	mg/l		EPA 200.7	12-10-2004 1612	BLP
Cations	32.0	----	meq/l		---------	12-22-2004 1445	SJ
Chloride	52	1	mg/l		EPA 300.0	12-07-2004 1019	BLP
Hardness, Total	999	----	mg/l	as $CaCO_3$	SM2340-B	12-22-2004 1445	SJ
Iron, Total	0.97	0.050	mg/l		EPA 200.7	12-10-2004 1130	BLP
Iron, Dissolved	<0.03	0.030	mg/l		EPA 200.7	12-10-2004 1612	BLP
Magnesium, Dissolved	157.00	0.01	mg/l		EPA 200.7	12-10-2004 1612	BLP
Manganese, Total	0.057	0.002	mg/l		EPA 200.7	12-10-2004 1130	BLP
Manganese, Dissolved	0.049	0.002	mg/l		EPA 200.7	12-10-2004 1612	BLP
Oil & Grease	<2	2	mg/l		EPA 413.1	12-21-2004 0830	DI
Potassium, Dissolved	3.68	0.14	mg/l		EPA 200.7	12-10-2004 1612	BLP
Sodium, Dissolved	274.00	0.09	mg/l		EPA 200.7	12-10-2004 1612	BLP
Solids, Settleable	<0.1	0.1	ml/l		EPA 160.5	12-06-2004 0950	BW
Solids, Total Dissolved	1852	30	mg/l		EPA 160.1	12-06-2004 0820	BW
Solids, Total Suspended	8	5	mg/l		EPA 160.2	12-06-2004 0820	BW
Sulfate	908	1	mg/l		EPA 300.0	12-07-2004 1019	BLP
Cation/Anion Balance	1.4	----	%			12-22-2004 1445	SJ

EMBER
GIL

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

January 11, 2005

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, 2004

Date received December 2, 2004

RECEIVED 1100
SAMPLED 0830
FIELD MEASUREMENTS
TEMP 6.1 D.O. 9.1
COND 1108 pH 7.81
SETTLEABLE SOLIDS EXPIRED WHEN RECIEVED, IRON & MANGANESE DISSOLVED WAS ADDED TO ANALYSIS
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-27133

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Acidity	<5	5	mg/l as $CaCO_3$	D1067-92	12-03-2004 0820 BLP
Alkalinity, Bicarbonate	391	5	mg/l as $CaCO_3$	SM 2320 B	12-09-2004 1151 BW
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	SM 2320 B	12-09-2004 1151 BW
Alkalinity, Total	391	5	mg/l as $CaCO_3$	SM 2320.1	12-09-2004 1151 BW
Anions	17.8	----	meq/l	---------	12-22-2004 1445 SJ
Calcium, Dissolved	64.70	0.03	mg/l	EPA 200.7	12-10-2004 1612 BLP
Cations	17.3	----	meq/l	---------	12-22-2004 1445 SJ
Chloride	74	1	mg/l	EPA 300.0	12-07-2004 1019 BLP
Hardness, Total	577	----	mg/l as $CaCO_3$	SM2340-B	12-22-2004 1445 SJ
Iron, Total	10.60	0.050	mg/l	EPA 200.7	12-10-2004 1130 BLP
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	12-10-2005 1612 BLP
Magnesium, Dissolved	101.00	0.01	mg/l	EPA 200.7	12-10-2004 1612 BLP
Manganese, Total	0.082	0.002	mg/l	EPA 200.7	12-10-2004 1130 BLP
Manganese, Dissolved	<0.002	0.002	mg/l	EPA 200.7	12-10-2005 1612 BLP
Oil & Grease	<2	2	mg/l	EPA 413.1	12-21-2004 0830 DI
Potassium, Dissolved	2.26	0.14	mg/l	EPA 200.7	12-10-2004 1612 BLP
Sodium, Dissolved	131.00	0.09	mg/l	EPA 200.7	12-10-2004 1612 BLP
Solids, Settleable	0.3	0.1	ml/l	EPA 160.5	12-06-2004 0950 BW
Solids, Total Dissolved	1004	30	mg/l	EPA 160.1	12-06-2004 0820 BW
Solids, Total Suspended	136	5	mg/l	EPA 160.2	12-06-2004 0820 BW
Sulfate	379	1	mg/l	EPA 300.0	12-07-2004 1019 BLP
Cation/Anion Balance	-1.4	----	%		12-22-2004 1445 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.sgs.com

APPENDIX B-4
EXCESS SPOIL DISPOSAL AREA #2

MATERIAL SAMPLES

SGS

June 04, 2004

Sunnyside Operations
P.O. Box 159
#1 Power Plant Road
Sunnyside, UT 84539
USA

Client Sample ID: SW
Date Received: 05/12/2004
Matrix: Soil

Project Name/# : Reject Samples

SGS Sample ID: 072-9346-004

Analyte	Result	
pH	7.72	s.u.
Neutralization Potential	140	t/1000t
Conductivity	7.39	mmhos/cm
Sand	82	%
Calcium, Soluble	56.5	meq/L
Carbon, Total Organic	11.8	%
Sulfur, AP	49.1	t/1000t
Acid Base Potential	90.9	t/1000t
Sulfur, Total	1.57	%
Nitrogen, Nitrate	5.32	ppm
Selenium, Hot Water	0.09	ppm
Boron, Total	1.05	ppm
Nitrogen, Total	0.14	%
Silt	10	%
Magnesium, Soluble	66.1	meq/L
Clay	8	%
Sodium, Soluble	38.2	meq/L
Texture Class	Loamy Sand	
Sodium Absorption Ratio	4.88	

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Kristi Bulls

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B 200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.sgs.com

SGS

June 04, 2004

Sunnyside Operations
P.O. Box 159
#1 Power Plant Road
Sunnyside, UT 84539
USA

Client Sample ID: SE
Date Received: 05/12/2004
Matrix: Soil

Project Name/# : Reject Samples

SGS Sample ID: 072-9346-002

Analyte	Result	
pH	6.26	s.u.
Neutralization Potential	46.3	t/1000t
Conductivity	3.21	mmhos/cm
Sand	86	%
Calcium, Soluble	54.0	meq/L
Carbon, Total Organic	24.0	%
Sulfur, AP	41.6	t/1000t
Acid Base Potential	4.70	t/1000t
Sulfur, Total	1.33	%
Nitrogen, Nitrate	1.18	ppm
Selenium, Hot Water	0.03	ppm
Boron, Total	<0.01	ppm
Nitrogen, Total	0.28	%
Silt	8	%
Magnesium, Soluble	39.5	meq/L
Clay	6	%
Sodium, Soluble	1.49	meq/L
Texture Class	Loamy Sand	
Sodium Absorption Ratio	0.22	

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Kristi Bells

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B 200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.sgs.com

SGS

June 04, 2004

Sunnyside Operations
P.O. Box 159
#1 Power Plant Road
Sunnyside, UT 84539
USA

Client Sample ID: NW
Date Received: 05/12/2004
Matrix: Soil

Project Name/# : Reject Samples

SGS Sample ID: 072-9346-003

Analyte	Result	
pH	6.92	s.u.
Neutralization Potential	58.3	t/1000t
Conductivity	3.61	mmhos/cm
Sand	88	%
Calcium, Soluble	60.4	meq/L
Carbon, Total Organic	23.8	%
Sulfur, AP	26.3	t/1000t
Acid Base Potential	32.0	t/1000t
Sulfur, Total	0.84	%
Nitrogen, Nitrate	2.24	ppm
Selenium, Hot Water	0.04	ppm
Boron, Total	1.03	ppm
Nitrogen, Total	0.33	%
Silt	6	%
Magnesium, Soluble	39.0	meq/L
Clay	6	%
Sodium, Soluble	4.96	meq/L
Texture Class	Sand	
Sodium Absorption Ratio	0.70	

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Kristi Bulls

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B-200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.sgs.com

SGS

June 04, 2004

Sunnyside Operations
P.O. Box 159
#1 Power Plant Road
Sunnyside, UT 84539
USA

Client Sample ID: NE
Date Received: 05/12/2004
Matrix: Soil

Project Name/# : Reject Samples

SGS Sample ID: 072-9346-001

Analyte	Result	
pH	6.68	s.u.
Neutralization Potential	27.1	t/1000t
Conductivity	2.33	mmhos/cm
Sand	90	%
Calcium, Soluble	31.9	meq/L
Carbon, Total Organic	29.6	%
Sulfur, AP	29.4	t/1000t
Acid Base Potential	-2.30	t/1000t
Sulfur, Total	0.94	%
Nitrogen, Nitrate	1.28	ppm
Selenium, Hot Water	0.03	ppm
Boron, Total	<0.01	ppm
Nitrogen, Total	0.47	%
Silt	6	%
Magnesium, Soluble	18.9	meq/L
Clay	4	%
Sodium, Soluble	1.75	meq/L
Texture Class	Sand	
Sodium Absorption Ratio	0.35	

MEMBER ACIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Kristi Bulls

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street Suite B-200, Denver, CO 80239 t (303) 373-4772 f (303) 373-4791 www.sgs.com

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

03/11/2005
4911242-015003112005-450155

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
Director
Division of Corporations and Commercial Code

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

03/11/2005
2113550-018103112005-450153

CERTIFICATE OF EXISTENCE

Registration Number:	2113550-0181
Business Name:	SUNNYSIDE II, L.P.
Registered Date:	December 30, 1994
Entity Type:	Limited Partnership
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
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

03/21/2005
1215877-014303212005-450481

CERTIFICATE OF EXISTENCE

Registration Number:	1215877-0143
Business Name:	SUNNYSIDE HOLDINGS I, INC.
Registered Date:	December 30, 1994
Entity Type:	Corporation
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

APPENDIX D
MINE MAP