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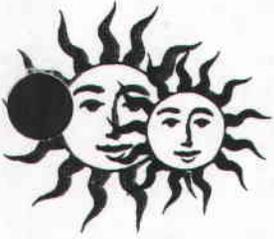
For additional information

# 2001 Annual Report

Sunnyside Cogeneration Associates  
Sunnyside Refuse/Slurry

C/007/035  
March 2002





## Sunnyside Cogeneration Associates

**COPY**

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

March 26, 2002

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

RE: Annual Report for 2001

Dear Ms. Littig:

Please find enclosed two copies of SCA's Annual report for 2001, for coal mining and reclamation operations. This report is inclusive of the activities that occurred within the SCA Mining Permit area during 2001.

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

Sincerely,

Agent For  
Sunnyside Cogeneration Associates

Randy J. Scott  
Plant Manager

Enclosure

cc. Rusty Netz, SCA  
Plant File

**RECEIVED**

APR 01 2002

DIVISION OF  
OIL, GAS AND MINING



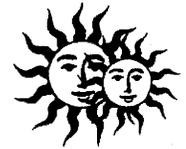
**SUNNYSIDE COGENERATION ASSOCIATES**  
**SUNNYSIDE REFUSE/SLURRY**  
**C/007/035**  
**2001 ANNUAL REPORT**

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

Prepared by:

**PSOMAS**  
2825 East Cottonwood Parkway, Suite 120  
Salt Lake City, UT, 84121  
(801) 270-5777



**SUNNYSIDE COGENERATION ASSOCIATES**  
**SUNNYSIDE REFUSE/SLURRY**  
**2001 ANNUAL REPORT**

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## I. GENERAL PERMIT INFORMATION

**Permit Number:** C/007/035

**Mine Name:** Sunnyside Refuse/Slurry

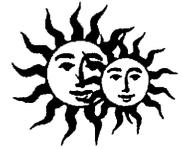
**Permittee:** Sunnyside Cogeneration Associates

**Company Representative  
& Resident Agent:** Mr. Randy J. Scott – Plant Manager  
PO Box 10  
East Carbon, UT 84520  
(801) 888-4476  
(801) 888-2538 fax

**Date of Initial Permanent Program Permit:** February 4, 1993

**Date of Permit Renewal:** February 4, 1998

**Date of Expiration:** February 4, 2003



## II. IDENTIFICATION OF OTHER PERMITS

<b>MSHA ID Numbers:</b>	Sunnyside Waste Coal Site	42-02093
	Coarse Refuse Pile	1211-UT-09-02093-01
	East Slurry Cell	1211-UT-09-02093-02
	West Slurry Cell	1211-UT-09-02093-03 abandoned
	Excess Spoil Disposal Area #1	1211-UT-09-02093-04
	Excess Spoil Disposal Area #2	1211-UT-09-02093-05

On August 29, 2001, SCA petitioned MSHA for a change in status and inspection requirements on two MSHA classified structures with the mine area.

In a letter dated September 10, 2001, MSHA approved the West Slurry Cell Impoundment for abandonment and indicated that it would be removed from the mine files. This was done on the basis that the impoundment was abandoned in a manner to preclude the probability of future impoundment of water, sediment, or slurry. The site of this former impoundment is still regulated by MSHA as the Coarse Refuse Pile and is the location of SCA's main excavation activity.

In a letter dated September 12, 2001, MSHA approved a change in the frequency of inspections for the East Slurry Cell Impoundment, requiring monthly inspections instead of weekly. This was done on the basis that the impoundment has not received new slurry discharge since 1995 and at present, only storm water events report to the pond.

Copies of the letters between SCA and MSHA regarding these changes are included in this report as Appendix F.

**UPDES Permit Number:** UT0024759      Renewed effective August 1, 1997  
Expires July 31, 2002

**Air Quality Approval Order Number:**      DAQE691-99

In accordance with state requirements, SCA submitted an application in October 1995 to the Division of Air Quality to receive a Title V operating permit. Applicable government agencies are still reviewing this permit. An amended approval order DAQE-586-99 was granted on August 13, 1999, to establish source specific emission control requirements for the Sunnyside Cogeneration Associates. SCA operates these facilities under this approval order.



### III. CERTIFIED REPORTS

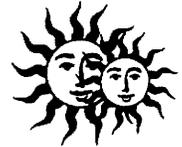
Each impoundment as well as the Refuse Pile and Excess Spoil Disposal Areas were inspected in accordance with the requirements of the Mining and Reclamation Permit. The quarterly and annual inspection / certification reports were submitted to the Division throughout the year. These reports are also included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

All of the impoundments met or exceeded the storage capacity requirements identified in the permit.

No new construction of the Excess Spoil Disposal Area #1 occurred in 2001.

Construction of the Excess Spoil Disposal Area #2 commenced in 1999, continued through 2000, and received all of the spoils materials generated during 2001. Construction is progressing in general conformance with design requirements.

Excavation of Coarse and Fine Refuse from the West Slurry Cell / 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 2001 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 2001, no new areas received final reclamation treatment.

SCA performed qualitative 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:

- Animal Use and Disturbance was slight to moderate. Rabbits have used the site moderately for food and cover. Also, some deer use the area.
- Erosion was negligible on the more level areas of the road and slight to moderate on some of the road cuts.
- 40% to 50% living cover was estimated
- The site was dominated by mature saltbrush, rabbitbrush and winterfat plants
- Vegetation was in very good condition
- Quite a bit of sediment on road from the cut slopes

Additional photos documenting the vegetative growth of the reclaimed Old Coarse Refuse Road were taken during the year and are included at the end of **Appendix B-2**.

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:

- South Embankment of the East Slurry Cell
- ClearWater Pond Topsoil Stock Pile
- East Embankment of the East Slurry Cell
- Reclamation Borrow Area
- Borrow Area Topsoil Stock Pile
- Access Road Topsoil Stock Pile
- Storage Area Topsoil Stock Pile
- North Face of Excess Spoil Disposal Area #1
- Third and Fourth 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.

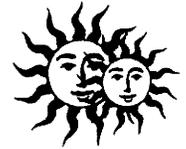
#### **4. Raptor Surveys**

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. The approved plan also requires that, at least once every five years, the monitoring sample set be analyzed for the extended list of parameters (see Table 7-2B of the plan). SCA performed this analysis during the third quarter of 1997.

The 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 2001, SCA excavated a combined total of 362,492 tons of coarse refuse and fines from the refuse pile and slurry cells. A total of 128,162 tons of Refuse material was brought into the permit area. No run of mine coal or slurry was delivered to the SCA Permit Area during the year. A summary of the mined quantities, refuse material delivered and quantity of spoils material disposed is included in **Appendix B-4**.

### b. Excess Spoils Disposal Area #1

No new construction of the Excess Spoil Disposal Area #1 occurred in 2001.

Inspections of the spoils area 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.

### c. Excess Spoil Disposal Area #2

Both Slurry Pond #1 and Slurry Pond #2 have been approved by DOGM and MSHA to be filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil 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. Placement and compaction of fill material occurred throughout 2001. Spoil materials placed in the disposal area consist mostly of coarse refuse rejects, but also include some general spoils material. It is being placed in general conformance with the approved plan. Approximately 23,475 tons of material were placed during 2001. A summary of the quantities placed in the Excess Spoil Disposal Areas is included in **Appendix B-4**.



## 8. Soils Monitoring Data

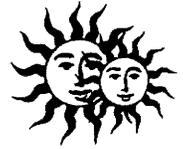
No periodic soil monitoring is required by the approved plan. The approved borrow areas reserved for reclamation activities have previously undergone soils studies from which the data is included in Chapter 2 of the Permit.

Five samples were taken of the spoils material placed in the Excess Spoil Disposal Area #2. Analytical results from these samples have been included in **Appendix B-5**.

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.

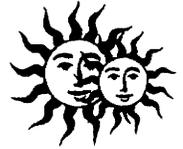


## V. LEGAL, FINANCIAL, COMPLIANCE & RELATED INFORMATION

The Utah Department of Commerce has made some changes in the process of filing annual reports. They now provide a certificate of existence for each entity registering with the department. **Appendix C** includes an organization chart showing the corporate structure of the Sunnyside Organization, and the Certificates of Existence for Sunnyside Cogeneration Associates, Sunnyside Holdings I. Inc. and Sunnyside II, L.P. from the Utah Department of Commerce, Division of Corporations and Commercial Code. These certificates demonstrate that the entities are in good standing with the State of Utah.

### Reclamation Bond

SCA has replaced the bond for the Permit with a Pledge and Escrow Agreement dated January 10, 2002 between SCA, DOGM and Wells Fargo Bank. SCA placed funds into an escrow account with Wells Fargo Bank sufficient to cover SCA's reclamation obligation for the Permit. Some of the documentation associated with this change in bonding method and the request for the release of the previous bond processed through Frontier Insurance is included in Appendix E.



## 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 these contours was performed in March 2001. The mining areas, which were active since the photography was taken have been identified on the map. A recent photograph of the active mining area has been added to the map to show current conditions.



# APPENDIX A CERTIFIED REPORTS

**FIRST QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date 4/5/01	
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	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001		

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

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

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

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

Pond had a small pool of water.

No structure or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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 stormflows 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: 4/5/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	
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**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 Project Director

(Full Name and Title)

Signature: *S. Scott Carlson* Date: 4/5/01

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date	4/5/01
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	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001		

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 = 6207.7  
Estimated Existing Sediment Elevation = 6207+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6212.34  
Primary Drain 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 out slopes of embankments, etc.

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

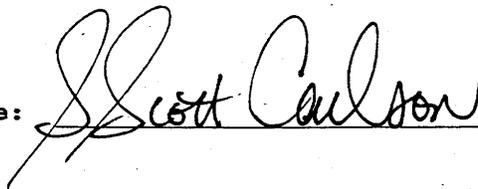
**5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure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

No changes. Pond had less than one foot of water in it. No structure or stability problems observed.

**Qualification Statement**

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

Signature: \_\_\_\_\_

Date: 4/5/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	
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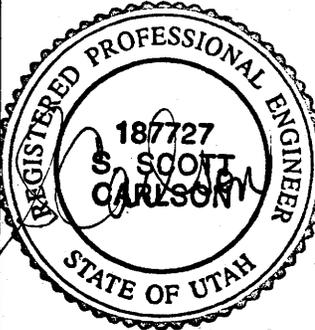
**CERTIFIED REPORT**

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. Project Director

Signature: *S. Scott Carlson* Date: 4/5/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
Permit Number	ACT/007/035	Report Date	4/5/01
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	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001		

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	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 0.9 acre-feet  Maximum Sediment Depth Elevation = 6394.75  Estimated Existing Sediment Elevation = 6394+-</p>
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6399.4  Primary Drain Elevation = 6395.75</p>

**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 outsoles of embankments, etc.

No discharge, pond was wet from recent precipitation, 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: 4/5/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	
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**CERTIFIED REPORT**

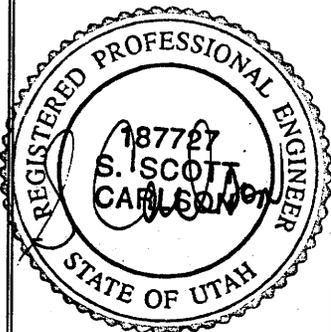
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

Signature: *S. Scott Carlson*

Date: 4/5/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date	4/5/01
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	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001		

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

**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 out slopes of embankments, etc.

Pond was wet from recent precipitation.  
 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: 4/5/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	
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**CERTIFIED REPORT**

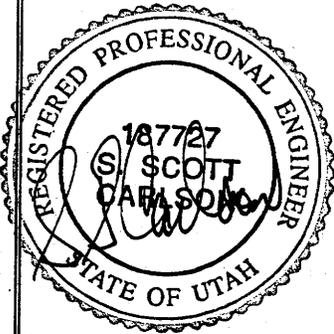
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

Signature: *Scott Carlson*

Date: 4/5/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		CRT Pond	
Permit Number	ACT/007/035	Report Date	4/5/01
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	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001		

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

**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 wet from recent precipitation and had a small pool of water remaining. 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: 4/5/01

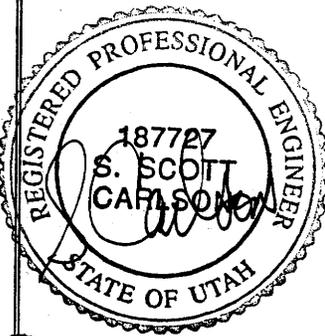
**CERTIFIED REPORT**

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 - Project Director

Signature: *S. Scott Carlson* Date: 4/5/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		<b>COAL RUNOFF POND</b>	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	4/5/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Coal Runoff Sediment Pond	
	<b>Impoundment Number</b>	014	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	3/20/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2001	
<p><b>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</b></p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 1.5 acre feet          Maximum Sediment Depth Elevation = 6476.0          Estimated Existing Sediment Elevation = 6474±</p>		
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6477.9          Emergency Spillway Elevation = 6479.0</p>		

**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 wet but had very little water in it.  
 No discharge, inlet and outlet conditions are good.  
 No structural or hazardous conditions exist.

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

No changes.  
 No structure or stability problems observed.

**Qualification Statement**

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

Signature: Scott Carlson

Date: 4/5/01

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?

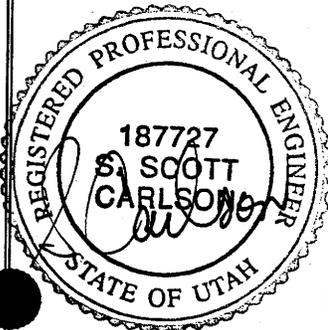
yes

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 - Project Director  
(Full Name and Title)

Signature:

*S. Scott Carlson*

Date: 4/5/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date 4/5/01	
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	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001		

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	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 8.3 acre-feet  Maximum Sediment Depth Elevation = 6513.3  Estimated Existing Sediment Elevation = 6511+-</p>
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6517.03  Primary Drain Elevation = 6514.3</p>

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 out slopes of embankments, etc.

Pond was wet from recent precipitation.  
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: 4/5/01

**CERTIFIED REPORT**

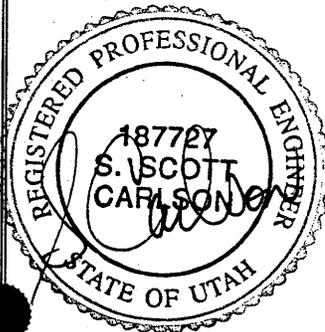
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

Signature: *S. Scott Carlson* Date: 4/5/01

P.E. Number & State: 187727 Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	Report Date 4/5/01
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	3/20/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2001
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
<b>Field Evaluation</b>		
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		

5. Final grading and revegetation of fill.

N/A

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

N/A

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

No smokers visible

**Certification Statement**

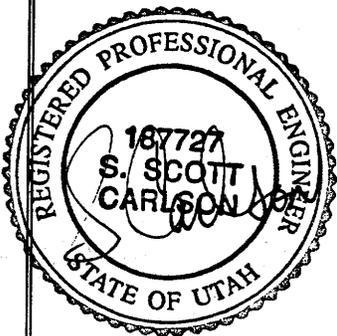
I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure 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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 4/5/01

P.E. Number & State: 187727 - UT



<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		East Slurry Cell	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 4/5/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	East Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-02	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	3/20/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 27+- acre-feet  Maximum Sediment Depth Elevation = N/A  Estimated Existing Sediment Elevation = N/A</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>N/A</p>		

**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 out slopes of embankments, etc.

Pond surface was wet from recent precipitation.  
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. No structural or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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 stormflows 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: 4/5/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	
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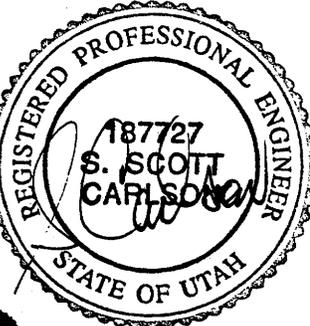
**CERTIFIED REPORT**

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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson* Date: 4/5/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		West Cell	
Permit Number	ACT/007/035	Report Date	4/5/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	West Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-03	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = N/A  Maximum Sediment Depth Elevation = N/A  Estimated Existing Sediment Elevation = N/A</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>N/A</p>		

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 out slopes of embankments, etc.

Slurry Cell is Inactive  
 Refuse Removal

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

**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: 4/5/01

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

West 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?

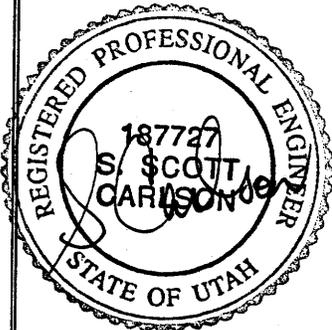
yes

**COMMENTS AND OTHER INFORMATION**

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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 4/5/01

P.E. Number & State: 187727 UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	Report Date 4/5/01	
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	3/20/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2001	
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
<b>Field Evaluation</b>			
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 Quarter.			

5. Final grading and revegetation of fill.

N/A

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

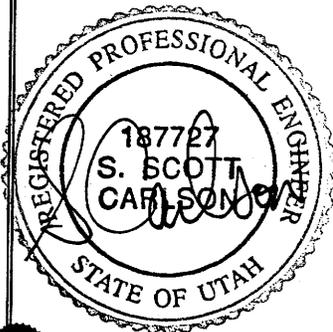
None

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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 4/5/01

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 4/5/01
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	3/20/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2001	
	Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
<b>Field Evaluation</b>		
<p>1. Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Existing disturbed site. No topsoil removal is required by approved plan.</p>		
<p>2. Placement of underdrains and protective filter systems.</p> <p>Underdrains 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 stormwater rerouted to other impoundments.</p>		
<p>3. Installation of final surface drainage systems.</p> <p>N/A</p>		
<p>4. Placement and compaction of fill materials.</p> <p>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 6700 yards (5500 tons) of material was placed during the Quarter.</p>		

5. Final grading and revegetation of fill.

N/A

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

None

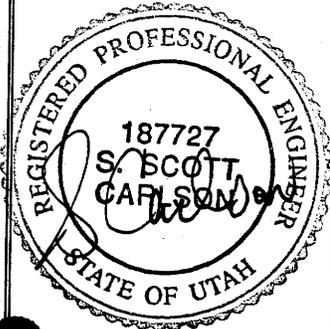
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement 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.

Analytical results from samples taken of the material placed in this disposal area are submitted with this quarter's report.

**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 - Project Director  
(Full Name and Title)

Signature: S. Scott Carlson

Date: 4/5/01

P.E. Number & State: 187727 - UT



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1818 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 TEL: 830-863-8300 FAX: 830-863-8306

SINCE 1988



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Committed To Excellence

ADDRESS ALL CORRESPONDENCE TO:  
4665 PARIS STREET  
SUITE B-200  
DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4791  
www.comtco.com

March 23, 2001

SUNNYSIDE OPERATIONS  
P.O. BOX 159  
#1 POWER PLANT ROAD  
SUNNYSIDE UT 84539

Sample identification by  
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS PILE 2000

*XSSpoils Area #2*

Kind of sample SOIL  
Sample taken by SUNNYSIDE COGENERATION FAC  
Date received February 14, 2001

Analysis report no. 72-00923

PARAMETER

RESULTS

pH	8.44 B.U.
Particle Size Analysis:	
Sand	60 %
Silt	24 %
Clay	16 %
Calcium	13.0 meq/L
Magnesium	11.1 meq/L
Sodium	10.4 meq/L
Selenium	0.01 ppm
Nitrate-N	1.64 ppm
Maximum Acid Potential	25.3 T/1000T
Organic Carbon	9.37 %
Electrical Conductivity	2.99 mmhos/cm
Sodium Absorption Ration	2.99
Total Nitrogen (as determined)	0.22 %
Boron	1.62 ppm
Neutralization Potential	114 T/1000T
Acid Base Account	88.7 T/1000T
Total Sulfur	0.81 %

Post-It® Fax Note

7671

Date	3-23-01	# of pages	1
To	Rusty	From	Laura
Co./Dept.		Ca.	CITE/DIVISION
Phone #		Phone #	
Fax #		Fax #	

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*E. Regal Jans*  
Denver Laboratory



ING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

**SECOND QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date	7/10/01
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	6/7/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.9 acre-feet  Maximum Sediment Depth Elevation = 6527  Existing Sediment Elevation = 6523+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6530.1</p>		

**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 dry.

No structure or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: 7/10/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	
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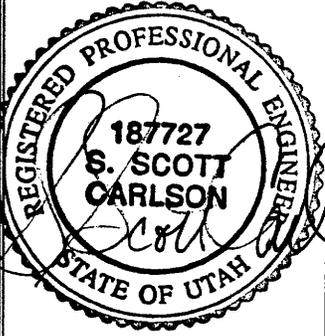
**CERTIFIED REPORT**

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      Project Director

(Full Name and Title)

Signature: *Scott Carlson*      Date: 7/10/01

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date	7/10/01
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	6/7/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001		

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 = 6207.7  
Estimated Existing Sediment Elevation = 6207+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6212.34  
Primary Drain 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 out slopes 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 dry.  
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 means to 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: 7/10/01

**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?

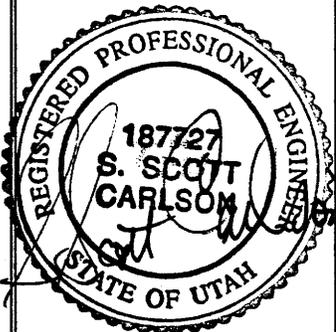
yes

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. Project Director

Signature: *S. Scott Carlson*

Date: 7/10/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
Permit Number	ACT/007/035	Report Date	7/10/01
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	6/7/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 0.9 acre-feet  Maximum Sediment Depth Elevation = 6394.75  Estimated Existing Sediment Elevation = 6394+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6399.4  Primary Drain Elevation = 6395.75</p>		

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 dry. 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: 7/10/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	
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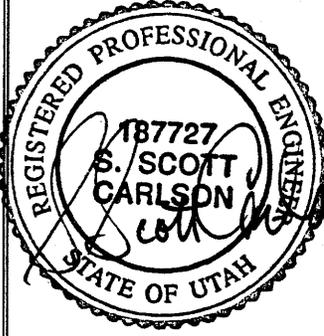
**CERTIFIED REPORT**

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:**



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By: S. Scott Carlson, P.E. Project Director

Signature: *S. Scott Carlson* Date: 7/10/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date	7/10/01
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	6/7/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.0 acre-feet  Maximum Sediment Depth Elevation = 6485.5  Estimated Existing Sediment Elevation = 6484+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6490.6  Primary Drain Elevation = 6486.6</p>		

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 dry.  
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: 7/10/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	
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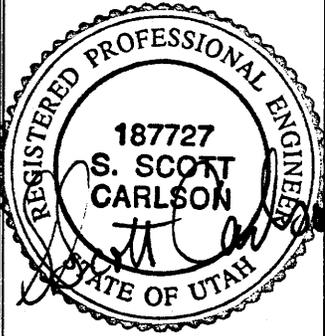
**CERTIFIED REPORT**

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 - Project Director

Signature: *S. Scott Carlson* Date: 7/10/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		CRT Pond	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 7/10/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	New Coarse Refuse Toe Sediment Pond	
	<b>Impoundment Number</b>	012	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	6/7/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.6 acre-feet  Maximum Sediment Depth Elevation = 6177.0  Estimated Existing Sediment Elevation = 6176+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6183.63  Primary Drain Elevation = 6178.2</p>		

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 out slopes of embankments, etc.

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

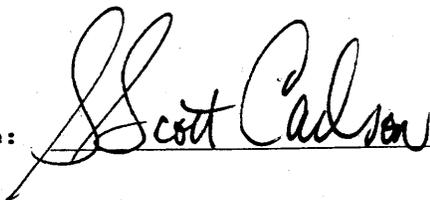
5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure 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: \_\_\_\_\_



Date: 7/10/01

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?

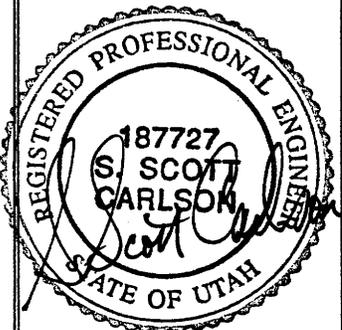
yes

**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 Project Director

Signature:

*S. Scott Carlson*

Date: 7/10/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		COAL RUNOFF POND	
Permit Number	ACT/007/035	Report Date	7/10/01
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	6/7/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.5 acre feet  Maximum Sediment Depth Elevation = 6476.0  Estimated Existing Sediment Elevation = 6474±</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6477.9  Emergency Spillway Elevation = 6479.0</p>		

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 dry.  
 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: 7/10/01

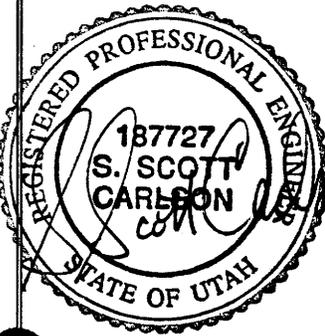
**CERTIFIED REPORT**

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 - Project Director  
(Full Name and Title)

Signature: *Scott Carlson* Date: 7/10/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date 7/10/01	
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	6/7/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 8.3 acre-feet  Maximum Sediment Depth Elevation = 6513.3  Estimated Existing Sediment Elevation = 6511+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6517.03  Primary Drain Elevation = 6514.3</p>		

**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 dry.  
 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: 7/10/01

**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

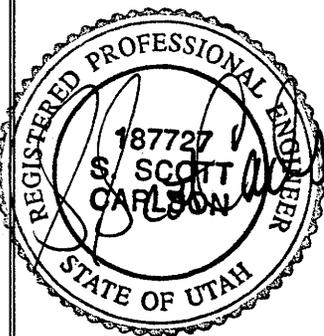
**Certification Statement:**

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. Project Director

Signature: *S. Scott Carlson* Date: 7/10/01

P.E. Number & State: 187727 Utah



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	Report Date 7/10/01
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	6/7/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2001
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
<b>Field Evaluation</b>		
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	

5. Final grading and revegetation of fill.

N/A

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

N/A

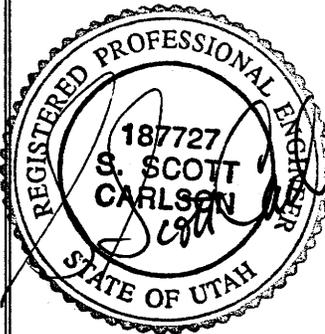
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement 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

No smokers visible

**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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 7/10/01

P.E. Number & State: 187727 - UT



Coarse Refuse Pile

June 7, 2001

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		East Slurry Cell	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 7/10/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	East Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-02	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	6/7/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 27+- acre-feet  Maximum Sediment Depth Elevation = N/A  Estimated Existing Sediment Elevation = N/A</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>N/A</p>		

**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 dry.  
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. No structural or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: 7/10/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	
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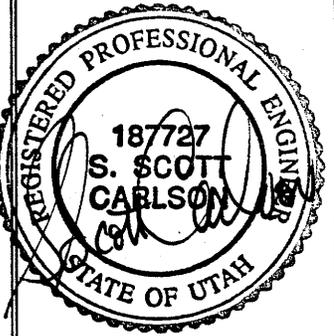
**CERTIFIED REPORT**

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 - Project Director  
 (Full Name and Title)

Signature: *Scott Carlson* Date: 7/10/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		West Cell	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 7/10/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	West Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-03	

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	6/7/01
<b>Inspected By</b>	Scott Carlson
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001

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 = N/A 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**

West Cell

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

Slurry Cell is Inactive  
Refuse Removal

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.

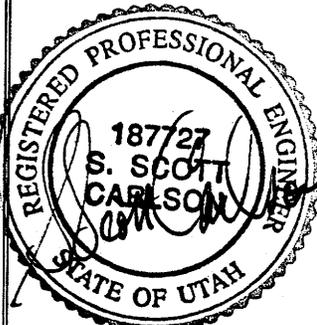
Slurry Cell is not receiving slurry from any source

**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: 7/10/01

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	West Cell	
<b>CERTIFIED REPORT</b>		
<b>IMPOUNDMENT EVALUATION (If NO, explain under Comments)</b>	<b>YES</b>	<b>NO</b>
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	
<b>COMMENTS AND OTHER INFORMATION</b>		
<p style="margin-left: 40px;">none</p>		
<b>Certification Statement:</b>	<p>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.</p>	
	<p>By: <u>S. Scott Carlson - Project Director</u>  <small>(Full Name and Title)</small></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>7/10/01</u></p> <p>P.E. Number &amp; State: <u>187727 UT</u></p>	

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1
Permit Number	ACT/007/035	Report Date 7/10/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Excess Spoil Disposal Area #1
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-04
Inspection Date	6/7/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2001	
		Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
<b>Field Evaluation</b>		
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 Quarter.	

5. Final grading and revegetation of fill.

N/A

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

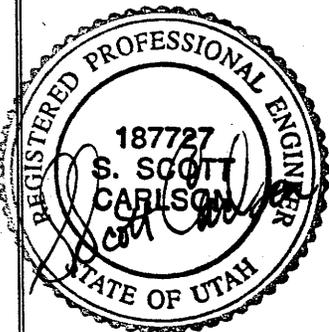
None

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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 7/10/01

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 1

June 7, 2001

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 7/10/01
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	6/7/01	
Inspected By	Scott Carlson	
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Second Quarter Inspection 2001	
	Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
<b>Field Evaluation</b>		
1.	Foundation preparation, including the removal of all organic material and topsoil. Existing disturbed site. No topsoil removal is required by approved plan.	
2.	Placement of underdrains and protective filter systems. Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.	
3.	Installation of final surface drainage systems.  N/A	
4.	Placement and compaction of fill materials. 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 4,667 tons of material was placed during the Quarter.	

Final grading and revegetation of fill.

N/A

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

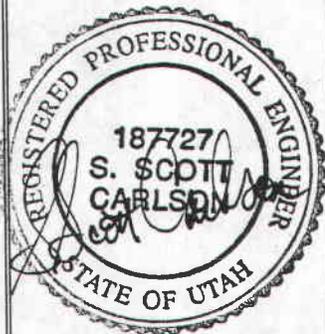
None

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 - Project Director  
(Full Name and Title)

Signature: Scott Carlson

Date: 7/10/01

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 2

June 7, 2001

**THIRD QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	10/05/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Clear Water Pond	
	<b>Impoundment Number</b>	004	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	9/19/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001		

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.
	<p>Storage Capacity = 4.9 acre-feet  Maximum Sediment Depth Elevation = 6527  Existing Sediment Elevation = 6523+-</p>

Required for an impoundment which functions as a SEDIMENTATION POND.	3. Principle and emergency spillway elevations.
	<p>Spillway Elevation = 6530.1</p>

**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 dry.

No structure or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: \_\_\_\_\_



Date: 10/05/01

**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?

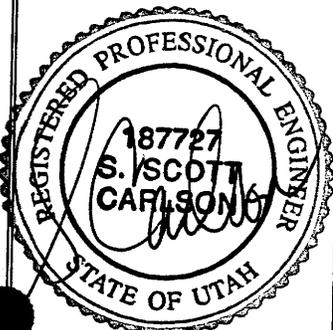
yes

**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 Project Director

(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Railcut Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	10/05/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Railcut Sediment Pond	
	<b>Impoundment Number</b>	007	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
-------------------------------

<b>Inspection Date</b>	9/19/01
<b>Inspected By</b>	Scott Carlson

<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001
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1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

<p>Required for an impoundment which functions as a <b>SEDIMENTATION POND.</b></p>	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.8 acre-feet  Maximum Sediment Depth Elevation = 6207.7  Estimated Existing Sediment Elevation = 6207+-</p>
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	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6212.34  Primary Drain Elevation = 6209.07</p>
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**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 dry.  
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: 10/05/01

**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?

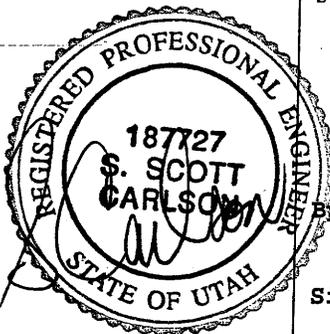
yes

**COMMENTS AND OTHER INFORMATION**

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. Project Director

Signature: *S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	OCRR Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 10/05/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Old Coarse Refuse Road Sediment Pond	
	<b>Impoundment Number</b>	008	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
-------------------------------

<b>Inspection Date</b>	9/19/01
<b>Inspected By</b>	Scott Carlson

<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001
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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	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p style="margin-left: 40px;">Storage Capacity = 0.9 acre-feet                  Maximum Sediment Depth Elevation = 6394.75                  Estimated Existing Sediment Elevation = 6394+-</p> <p>3. Principle and emergency spillway elevations.</p> <p style="margin-left: 40px;">Spillway Elevation = 6399.4                  Primary Drain Elevation = 6395.75</p>
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**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 dry. 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: \_\_\_\_\_



Date: 10/05/01

**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?

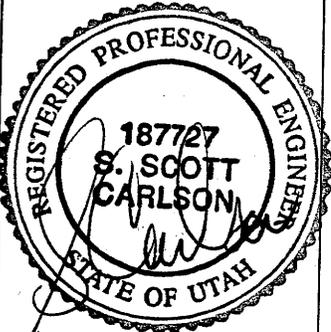
yes

**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. Project Director

Signature: *S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Pasture Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 10/05/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Pasture Sediment Pond	
	<b>Impoundment Number</b>	009	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
-------------------------------

<b>Inspection Date</b>	9/19/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001		

**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	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 1.0 acre-feet                  Maximum Sediment Depth Elevation = 6485.5                  Estimated Existing Sediment Elevation = 6484+-</p>
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6490.6                  Primary Drain Elevation = 6486.6</p>

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

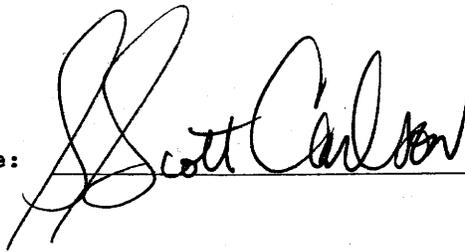
5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure 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: \_\_\_\_\_



Date: 10/05/01

**CERTIFIED REPORT**

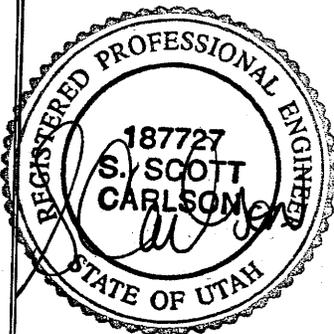
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

Signature: *S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	CRT Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 10/05/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	New Coarse Refuse Toe Sediment Pond	
	<b>Impoundment Number</b>	012	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
-------------------------------

<b>Inspection Date</b>	9/19/01
<b>Inspected By</b>	Scott Carlson
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001

**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	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 1.6 acre-feet                  Maximum Sediment Depth Elevation = 6177.0                  Estimated Existing Sediment Elevation = 6176+-</p>
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6183.63                  Primary Drain Elevation = 6178.2</p>

**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 dry.  
 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: \_\_\_\_\_



Date: 10/05/01

CERTIFIED REPORT

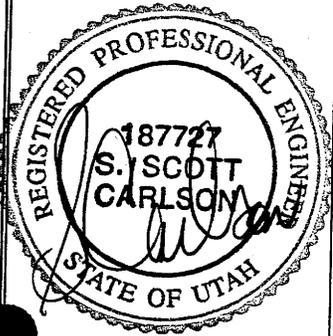
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

Signature: *S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	Report Date	10/05/01
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	9/19/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.5 acre feet  Maximum Sediment Depth Elevation = 6476.0  Estimated Existing Sediment Elevation = 6474±</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6477.9  Emergency Spillway Elevation = 6479.0</p>		

**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 out slopes of embankments, etc.

Pond was essentially dry.  
 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: 10/05/01

**CERTIFIED REPORT**

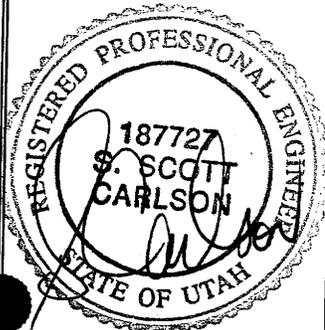
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance 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 - Project Director  
 (Full Name and Title)

Signature: \_\_\_\_\_

*S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Borrow Area Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	10/05/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Borrow Area Pond	
	<b>Impoundment Number</b>	016	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
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<b>Inspection Date</b>	9/19/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001		

**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	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 8.3 acre-feet                  Maximum Sediment Depth Elevation = 6513.3                  Estimated Existing Sediment Elevation = 6511+-</p> <p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6517.03                  Primary Drain Elevation = 6514.3</p>
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**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 dry.  
 No discharge, inlet/outlet conditions are good,  
 No structural or hazardous conditions exist.

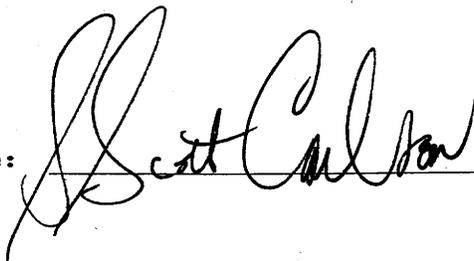
**5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure 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: \_\_\_\_\_



Date: 10/05/01

**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. Project Director

Signature: *S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 10/05/01
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<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY
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<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES
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<b>Excess Spoil Pile or Refuse Pile Identification</b>	<b>File Name:</b>	Coarse Refuse Pile
	<b>File Number</b>	N/A
	<b>MSHA ID Number</b>	1211-UT-09-02093-01

<b>Inspection Date</b>	9/19/01
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<b>Inspected By</b>	Scott Carlson
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<b>Reason for Inspection</b> <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Third Quarter Inspection 2001  <b>Attachments to Report?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
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<b>Field Evaluation</b>
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1.	Foundation preparation, including the removal of all organic material and topsoil.  N/A	
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2.	Placement of underdrains and protective filter systems.  N/A	
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3.	Installation of final surface drainage systems.  N/A	
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4.	Placement and compaction of fill materials.  N/A  Removal of Coarse and fine Refuse Material Only	
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5. Final grading and revegetation of fill.

N/A

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

N/A

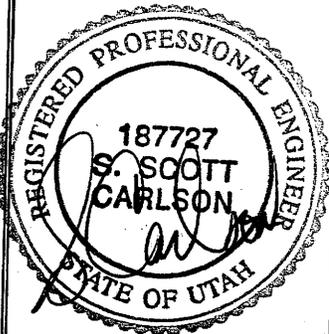
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement 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

No smokers visible

**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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 10/05/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	East Slurry Cell	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	10/05/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	East Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-02	

<b>IMPOUNDMENT INSPECTION</b>
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<b>Inspection Date</b>	9/19/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001		

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
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	3. Principle and emergency spillway elevations.  N/A
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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 dry.  
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.

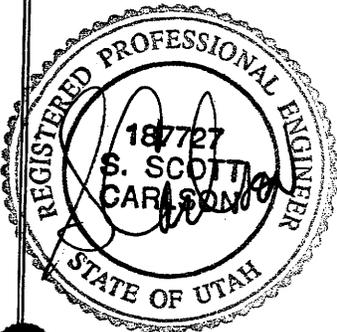
Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond. No structural or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: 10/05/01

**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?

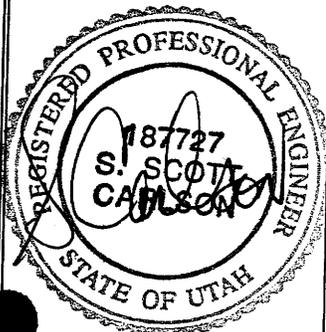
yes

**COMMENTS AND OTHER INFORMATION**

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 Carlsson - Project Director  
(Full Name and Title)

Signature: *Scott Carlsson*

Date: 10/05/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	West Cell
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	10/05/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	West Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-03	

<b>IMPOUNDMENT INSPECTION</b>
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<b>Inspection Date</b>	9/19/01
<b>Inspected By</b>	Scott Carlson
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001

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 = N/A  
 Maximum Sediment Depth Elevation = N/A  
 Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

**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.

Slurry Cell is Inactive  
 Refuse Removal

**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

**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: 10/05/01

**CERTIFIED REPORT**

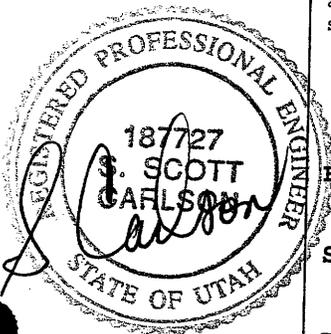
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance 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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile #1
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 10/05/01
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<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY
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<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES
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<b>Excess Spoil Pile or Refuse Pile Identification</b>	<b>Pile Name:</b>	Excess Spoil Disposal Area #1
	<b>Pile Number</b>	N/A
	<b>MSHA ID Number</b>	1211-UT-09-02093-04

<b>Inspection Date</b>	9/19/01
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<b>Inspected By</b>	Scott Carlson
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<b>Reason for Inspection</b> <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Third Quarter Inspection 2001
	<b>Attachments to Report?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 Quarter.

5. Final grading and revegetation of fill.

N/A

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

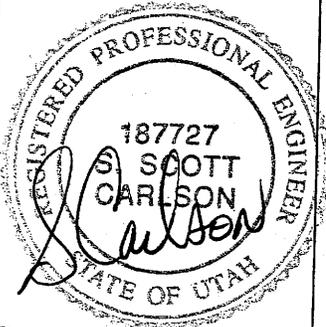
None

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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

*S. Scott Carlson*

Date: 10/05/01

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 10/05/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Excess Spoil Disposal Area #2
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-05
Inspection Date	9/19/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2001	
	Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
<b>Field Evaluation</b>		
1.	<p>Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Existing disturbed site. No topsoil removal is required by approved plan.</p>	
2.	<p>Placement of underdrains and protective filter systems.</p> <p>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.</p>	
3.	<p>Installation of final surface drainage systems.</p> <p>N/A</p>	
4.	<p>Placement and compaction of fill materials.</p> <p>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 6308 tons of material was placed during the Quarter.</p>	

5. Final grading and revegetation of fill.

N/A

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

None

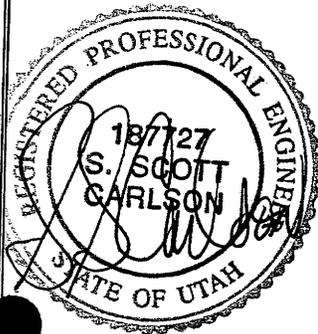
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement 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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 10/05/01

P.E. Number & State: 187727 - UT

**FOURTH QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date	12/28/01
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	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001		

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.
	<p>Storage Capacity = 4.9 acre-feet  Maximum Sediment Depth Elevation = 6527  Existing Sediment Elevation = 6523+-</p>
	3. Principle and emergency spillway elevations.
	Spillway Elevation = 6530.1

**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 dry with some snow cover.

No structure or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: 12/28/01

**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?

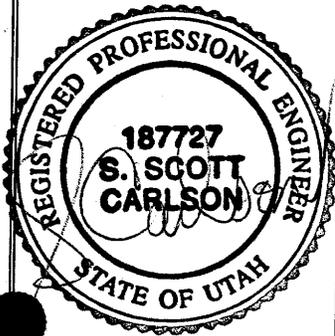
yes

**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 Project Director

(Full Name and Title)

Signature:

*Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Railcut Pond	
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Permit Number	ACT/007/035	Report Date 12/28/01	
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	

<b>IMPOUNDMENT INSPECTION</b>
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Inspection Date	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Fourth Quarter Inspection 2001		

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

NONE

<p>Required for an impoundment which functions as a SEDIMENTATION POND.</p>	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p style="margin-left: 40px;">Storage Capacity = 4.8 acre-feet  Maximum Sediment Depth Elevation = 6207.7  Estimated Existing Sediment Elevation = 6207+-</p>
	<p>3. Principle and emergency spillway elevations.</p> <p style="margin-left: 40px;">Spillway Elevation = 6212.34  Primary Drain Elevation = 6209.07</p>

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 dry with some snow cover. 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: 12/28/01

**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. Project Director

Signature: *Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	OCRR Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Old Coarse Refuse Road Sediment Pond	
	<b>Impoundment Number</b>	008	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
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<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Fourth Quarter Inspection 2001		

**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	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 0.9 acre-feet                  Maximum Sediment Depth Elevation = 6394.75                  Estimated Existing Sediment Elevation = 6394+-</p> <p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6399.4                  Primary Drain Elevation = 6395.75</p>
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**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 dry with some snow cover. 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: 12/28/01

**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?

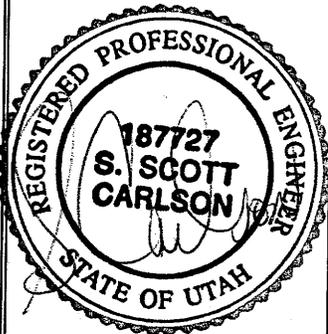
yes

**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. Project Director

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Pasture Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
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<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
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<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
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<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Pasture Sediment Pond	
	<b>Impoundment Number</b>	009	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
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<b>Inspection Date</b>	12/13/01		
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<b>Inspected By</b>	Scott Carlson		
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<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001		
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**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

**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 dry with some snow cover.  
 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: \_\_\_\_\_



Date: 12/28/01

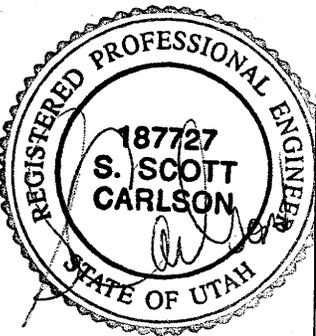
**CERTIFIED REPORT**

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 - Project Director

Signature: *S. Scott Carlson* Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		CRT Pond	
Permit Number	ACT/007/035	Report Date	12/28/01
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	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001		

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.
	<p>Storage Capacity = 1.6 acre-feet  Maximum Sediment Depth Elevation = 6177.0  Estimated Existing Sediment Elevation = 6176+-</p>
	3. Principle and emergency spillway elevations.
	<p>Spillway Elevation = 6183.63  Primary Drain Elevation = 6178.2</p>

**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 dry with some snow cover.  
 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: \_\_\_\_\_



Date: 12/28/01

**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?

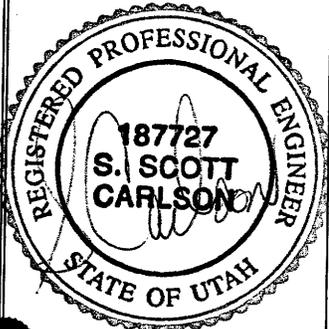
yes

**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 - Project Director

Signature:

*S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	COAL RUNOFF POND	
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Permit Number	ACT/007/035	Report Date 12/28/01	
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	

<b>IMPOUNDMENT INSPECTION</b>
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Inspection Date	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Fourth Quarter Inspection 2001		

**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

**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 dry with some snow cover.  
 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: 12/28/01

**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?

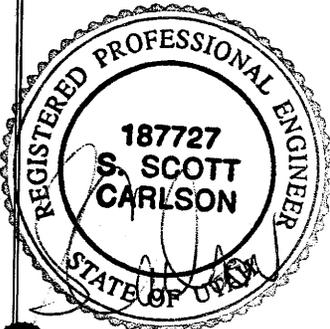
yes

**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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Borrow Area Pond	
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Permit Number	ACT/007/035	Report Date 12/28/01	
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Mine Name	SUNNYSIDE REFUSE AND SLURRY		
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Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
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<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Borrow Area Pond	
	<b>Impoundment Number</b>	016	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>	
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Inspection Date	12/13/01
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Inspected By	Scott Carlson
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<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001
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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

**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 dry with some snow cover.  
 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: 12/28/01

**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?

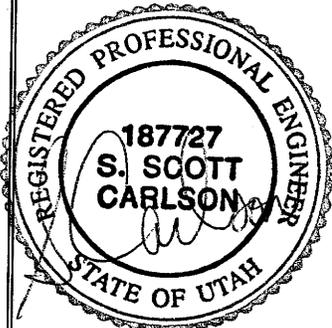
yes

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. Project Director

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	Report Date 12/28/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Coarse Refuse Pile
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001	
	Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
<b>Field Evaluation</b>		
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	

5. Final grading and revegetation of fill.

N/A

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

N/A

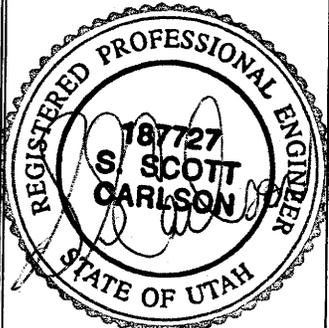
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement 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

No smokers visible

**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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

A handwritten signature in cursive script that reads "Scott Carlson".

Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	East Slurry Cell	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
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<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
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<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
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<b>Impoundment Identification</b>	<b>Impoundment Name</b>	East Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-02	

<b>IMPOUNDMENT INSPECTION</b>
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<b>Inspection Date</b>	12/13/01
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<b>Inspected By</b>	Scott Carlson
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<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001
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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
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	3. Principle and emergency spillway elevations.  N/A
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**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 dry with some snow cover.  
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. No structural or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: 12/28/01

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?

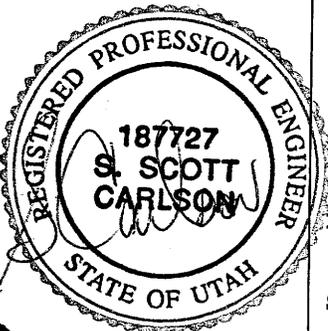
yes

COMMENTS AND OTHER INFORMATION

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 - Project Director  
(Full Name and Title)

Signature: S. Scott Carlson

Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	West Cell	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	West Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-03	

<b>IMPOUNDMENT INSPECTION</b>
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<b>Inspection Date</b>	12/13/01
<b>Inspected By</b>	Scott Carlson

<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001
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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 = N/A Maximum Sediment Depth Elevation = N/A Estimated Existing Sediment Elevation = N/A
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	3. Principle and emergency spillway elevations.  N/A
--	--

**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.

Slurry Cell is Inactive  
 Refuse Removal

**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

**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: 12/28/01

**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?

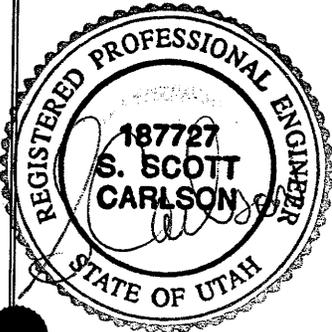
yes

**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 - Project Director  
(Full Name and Title)

Signature:

*S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1
Permit Number	ACT/007/035	Report Date 12/28/01
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	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001	
Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
<b>Field Evaluation</b>		
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 Quarter.	

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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area #1

looking West/Northwest

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 12/28/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Excess Spoil Disposal Area #2
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-05
Inspection Date	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2001	
	Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
<b>Field Evaluation</b>		
1.	<p>Foundation preparation, including the removal of all organic material and topsoil.</p> <p>Existing disturbed site. No topsoil removal is required by approved plan.</p>	
2.	<p>Placement of underdrains and protective filter systems.</p> <p>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.</p>	
3.	<p>Installation of final surface drainage systems.</p> <p>N/A</p>	
4.	<p>Placement and compaction of fill materials.</p> <p>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 7000 tons of material was placed during the Quarter.</p> <p>Material Samples were gathered during the 4<sup>th</sup> quarter inspection and results will be submitted with the 1<sup>st</sup> quarter 2002 report.</p>	

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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

A handwritten signature in black ink that reads "Scott Carlson".

Date: 12/28/01

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area #2

North portion looking south



Excess Spoil Disposal Area #2

South portion looking south

# ANNUAL REPORT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	12/28/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Clear Water Pond	
	<b>Impoundment Number</b>	004	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	
<b>IMPOUNDMENT INSPECTION</b>			
<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2001	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
<p>Required for an impoundment which functions as a SEDIMENTATION POND.</p>	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.9 acre-feet  Maximum Sediment Depth Elevation = 6527  Existing Sediment Elevation = 6523+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6530.1</p>		

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 dry with some snow cover.

No structure or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: \_\_\_\_\_



Date: 12/28/01

**CERTIFIED REPORT**

**IMPOUNDMENT EVALUATION (If NO, explain under Comments)**

**YES**

**NO**

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

yes

yes

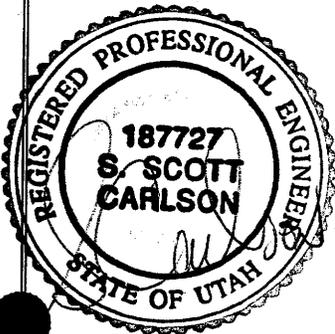
yes

**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 Project Director

(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	Report Date	12/28/01
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	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.8 acre-feet  Maximum Sediment Depth Elevation = 6207.7  Estimated Existing Sediment Elevation = 6207+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6212.34  Primary Drain Elevation = 6209.07</p>		

**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 dry with some snow cover. 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: 12/28/01

**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?

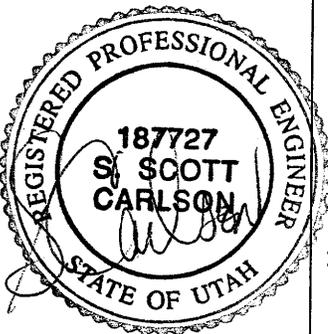
yes

**COMMENTS AND OTHER INFORMATION**

None

**Certification Statement:**

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By: S. Scott Carlson, P.E. Project Director

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	Report Date	12/28/01
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	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 0.9 acre-feet  Maximum Sediment Depth Elevation = 6394.75  Estimated Existing Sediment Elevation = 6394+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6399.4  Primary Drain Elevation = 6395.75</p>		

**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 dry with some snow cover. 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: 12/28/01

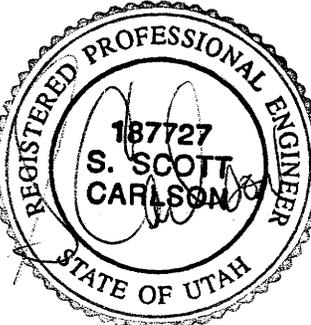
**CERTIFIED REPORT**

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. Project Director

Signature: *S. Scott Carlson* Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b>	12/28/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Pasture Sediment Pond	
	<b>Impoundment Number</b>	009	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	12/13/01		
<b>Inspected By</b>	Scott Carlson		
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001		

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

- 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 outsoles of embankments, etc.

Pond was essentially dry with some snow cover.  
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: \_\_\_\_\_



Date: 12/28/01

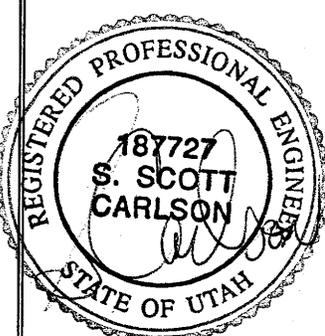
**CERTIFIED REPORT**

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 - Project Director

Signature: *S. Scott Carlson* Date: 12/28/01

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	Report Date	12/28/01
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	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.6 acre-feet  Maximum Sediment Depth Elevation = 6177.0  Estimated Existing Sediment Elevation = 6176+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6183.63  Primary Drain Elevation = 6178.2</p>		

**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 dry with some snow cover.  
 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: 12/28/01

**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**

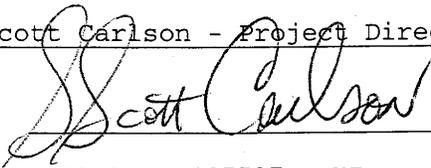
None

**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 - Project Director

Signature:



Date: 12/28/01

P.E. Number & State: 187727 - UT



<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		COAL RUNOFF POND	
Permit Number	ACT/007/035	Report Date	12/28/01
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	12/13/01		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001		

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

- 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 dry with some snow cover.  
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: 12/28/01

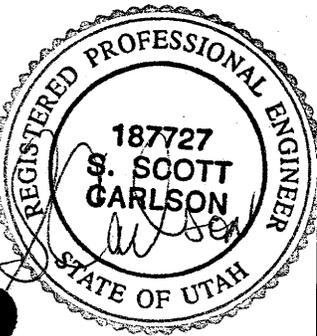
**CERTIFIED REPORT**

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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson* Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Borrow Area Pond	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	Borrow Area Pond	
	<b>Impoundment Number</b>	016	
	<b>UPDES Permit Number</b>	UT 024759	
	<b>MSHA ID Number</b>	N/A	

<b>IMPOUNDMENT INSPECTION</b>
-------------------------------

<b>Inspection Date</b>	12/13/01
<b>Inspected By</b>	Scott Carlson
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001

**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	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = 8.3 acre-feet                  Maximum Sediment Depth Elevation = 6513.3                  Estimated Existing Sediment Elevation = 6511+-</p>
	<p><b>3. Principle and emergency spillway elevations.</b></p> <p>Spillway Elevation = 6517.03                  Primary Drain Elevation = 6514.3</p>

- 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 dry with some snow cover.  
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: 12/28/01

**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?

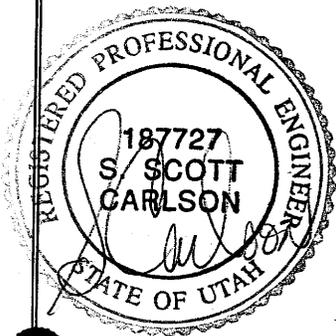
yes

**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. Project Director

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01
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<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY
------------------	-----------------------------

<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES
---------------------	-----------------------------------

<b>Excess Spoil Pile or Refuse Pile Identification</b>	<b>File Name:</b>	Coarse Refuse Pile
	<b>File Number</b>	N/A
	<b>MSHA ID Number</b>	1211-UT-09-02093-01

<b>Inspection Date</b>	12/13/01
------------------------	----------

<b>Inspected By</b>	Scott Carlson
---------------------	---------------

<b>Reason for Inspection</b> <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Annual Inspection 2001  Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
---	--

<b>Field Evaluation</b>
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1.	Foundation preparation, including the removal of all organic material and topsoil.	N/A
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2.	Placement of underdrains and protective filter systems.	N/A
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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		

5. Final grading and revegetation of fill.

N/A

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

N/A

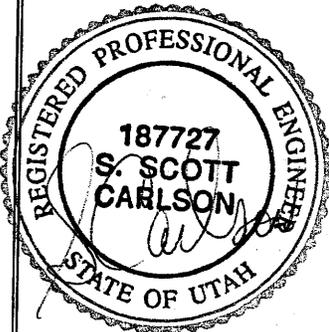
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement 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

No smokers visible

**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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

A handwritten signature in cursive script that reads "Scott Carlson".

Date: 12/28/01

P.E. Number & State: 187727 - UT



Coarse Refuse Pile

June 7, 2001

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	East Slurry Cell	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY	
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES	
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	East Slurry Cell
	<b>Impoundment Number</b>	N/A
	<b>UPDES Permit Number</b>	N/A
	<b>MSHA ID Number</b>	1211-UT-09-02093-02

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	12/13/01
<b>Inspected By</b>	Scott Carlson
<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001

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.
	<p>Storage Capacity = 27+- acre-feet  Maximum Sediment Depth Elevation = N/A  Estimated Existing Sediment Elevation = N/A</p>
	3. Principle and emergency spillway elevations.
	N/A

**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 out slopes of embankments, etc.

Pond was essentially dry with some snow cover.  
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. No structural or stability problems observed.

Reclamation of Sunnyside Coal Property near this area is completed. Among the facilities reclaimed is the Slurry Ditch, which connected to the SCA Properties. This ditch has been filled in near the SCA Property and is no longer a major storm water conveyance facility to the Slurry Ponds #1 and #2 or to the Clearwater Pond or to the East Slurry Cell. Watersheds, which previously contributed to these ponds, are no longer doing so.

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: 12/28/01

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	
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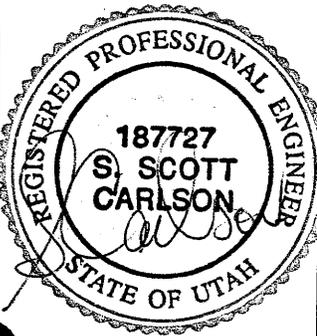
**CERTIFIED REPORT**

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 - Project Director  
 (Full Name and Title)

Signature: *S. Scott Carlson* Date: 12/28/01

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	West Cell	
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<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/28/01	
<b>Mine Name</b>	SUNNYSIDE REFUSE AND SLURRY		
<b>Company Name</b>	SUNNYSIDE COGENERATION ASSOCIATES		
<b>Impoundment Identification</b>	<b>Impoundment Name</b>	West Slurry Cell	
	<b>Impoundment Number</b>	N/A	
	<b>UPDES Permit Number</b>	N/A	
	<b>MSHA ID Number</b>	1211-UT-09-02093-03	

<b>IMPOUNDMENT INSPECTION</b>
-------------------------------

<b>Inspection Date</b>	12/13/01
<b>Inspected By</b>	Scott Carlson

<b>Reason for Inspection</b> (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001
--	------------------------

**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	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Storage Capacity = N/A                  Maximum Sediment Depth Elevation = N/A                  Estimated Existing Sediment Elevation = N/A</p> <p><b>3. Principle and emergency spillway elevations.</b></p> <p>N/A</p>
---	--

**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.

Slurry Cell is Inactive  
 Refuse Removal

**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

**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: 12/28/01

**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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson* Date: 12/28/01

P.E. Number & State: 187727 UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1
Permit Number	ACT/007/035	Report Date 12/28/01
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Excess Spoil Disposal Area #1
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-04
Inspection Date	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001	
	Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
<b>Field Evaluation</b>		
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.	

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 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**

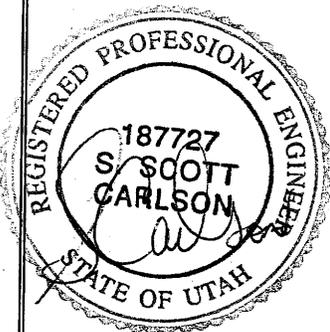
I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure 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 - Project Director  
(Full Name and Title)

Signature: \_\_\_\_\_

Date: 12/28/01

P.E. Number & State: 187727 - UT





Excess Spoil Disposal Area # 1

June 7, 2001



Excess Spoil Disposal Area #1

looking West/Northwest

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 12/28/01
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	12/13/01	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2001	
	Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
<b>Field Evaluation</b>		
1.	Foundation preparation, including the removal of all organic material and topsoil.  Existing disturbed site. No topsoil removal is required by approved plan.	
2.	Placement of underdrains and protective filter systems.  Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.	
3.	Installation of final surface drainage systems.  N/A	
4.	Placement and compaction of fill materials.  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 23,475 tons of material was placed during the Year.  Results from a material samples taken in December 2000 is attached herewith. Additional material samples were gathered in December 2001 and results will be submitted with next year's report.	

5. Final grading and revegetation of fill.

N/A

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

None

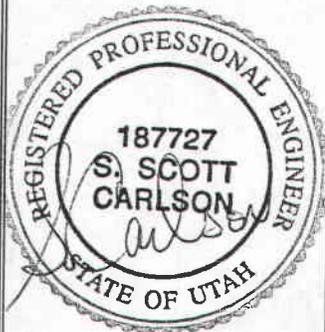
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement 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 - Project Director  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 12/28/01

P.E. Number & State: 187727 - UT



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1010 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60140 • TEL: 630-863-8300 FAX: 630-863-8306

SINCE 1908



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Committed To Excellence

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4665 PARIS STREET  
SUITE B-200  
DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4781  
www.comlco.com

March 23, 2001

SUNNYSIDE OPERATIONS  
P.O. BOX 159  
#1 POWER PLANT ROAD  
SUNNYSIDE UT 84539

Sample identification by  
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS PILE 2000

*XSSpoils Area #2*

Kind of sample SOIL  
Sample taken by SUNNYSIDE COGENERATION FAC  
Date received February 14, 2001

Analysis report no. 72-00923

PARAMETER

RESULTS

pH	8.44 B.U.
Particle Size Analysis:	
Sand	60 %
Silt	24 %
Clay	16 %
Calcium	13.0 meq/L
Magnesium	11.1 meq/L
Sodium	10.4 meq/L
Selenium	0.01 ppm
Nitrate-N	1.64 ppm
Maximum Acid Potential	25.3 T/1000T
Organic Carbon	9.37 %
Electrical Conductivity	2.99 mmhos/cm
Sodium Absorption Ration	2.99
Total Nitrogen (as determined)	0.22 %
Boron	1.62 ppm
Neutralization Potential	114 T/1000T
Acid Base Account	88.7 T/1000T
Total Sulfur	0.81 %

Post-It® Fax Note 7671

Date	3-23-01	# of pages	1
To	<i>Kusty</i>		
Co./Dept.	<i>CT&amp;E Denver</i>		
Phone #			
Fax #			

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*E. Reginal Jones*  
Denver Laboratory



MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



Excess Spoil Disposal Area # 2

June 7, 2001



Excess Spoil Disposal Area #2

North portion looking south



Excess Spoil Disposal Area #2

South portion looking south



## APPENDIX B-1 CLIMATOLOGICAL DATA

**SUNNYSIDE WEATHER STATION  
2001 CLIMATOLOGICAL REPORT**

day	Jan max temp	Jan min temp	Jan precip	Feb max temp	Feb min temp	Feb precip	Mar max temp	Mar min temp	Mar precip	Apr max temp	Apr min temp	Apr precip	May max temp	May min temp	May precip	June max temp	June min temp	June precip
1	45	25		30	9		40	21	0.15	64	43		74	42		84	45	
2	42	20		34	16		19	26		62	39		35	30	0.05	83	52	
3	40	21		41	25		44	19		51	35		41	28	0.15	73	58	
4	44	23		41	25		41	30		53	41		48	32	0.12	63	40	
5	47	24		42	25		56	28		54	32		60	36		70	38	
6	44	24		42	25		56	22		51	34	0.52	63	37				
7	42	23		43	30		49	34		38	28		38	38		85	45	
8	38	17		39	8		52	32		39	24		72	38		86	56	
9	39	22		25	8		49	31		41	17	0.5	76	45		89	56	
10	31	23	0.07	34	16	trace	40	31	0.7	36	28	0.18	78	49		89	54	
11	30	19	0.05	34	19		39	29	0.55	40	17	0.28	76	43		86	52	
12	37	26	0.77	34	25		43	21		35	21	0.22	80	47		72	53	
13	35	11		42	28		51	23		42	15		73	48		55	31	
14	34	13		38	23	0.42	36	25		52	28		72	43	0.37	64	30	
15	31	17	0.04	36	11		39	15		60	30		74	46		79	41	
16	29	19		38	18		32	25	trace	64	36		72	54		81	41	
17	29	3		41	19		49	22		68	39		53	31	0.22	87	50	
18	30	11		34	24	0.07	52	27		64	40		69	44		83	43	
19	34	11		39	32		55	30		68	39		72	47		85	43	
20	36	14	0.08	42	28		59	34		50	41		68	42		88	47	
21	36	17	0.04	43	27		33	35		44	30	0.08	56	34		90	47	
22	35	17		43	27					50	27		72	39		86	49	
23	35	17	0.07	35	26	0.74	59	39		52	27		78	47		89	59	
24	30	15		37	15	0.28	59	35		62	34		82	52		84	57	0.07
25	36	22		40	21		60	39		64	39		80	53		82	54	
26	32	14		40	23		52	43		70	46		85	54		73	53	0.06
27	33	21		34	24	0.17	51	30		71	47		85	50		78	49	
28	29	19		34	26	0.11	49	28		65	44		78	57		88	55	
29	37	9					52	32	0.15	68	47		78	31		95	61	
30	32	10					52	27		68	45		81	43		97	63	
31	31	8					59	30	trace	84	45		84	45				
<b>Total</b>	1103	535	1.12	1013	595	1.79	1429	863	1.55	1646	1013	1.78	2153	1325	0.91	2364	1422	0.13
<b>AVG</b>	35.58	17.26	rain/snow	37.52	22.04		47.63	28.77		54.87	33.77		69.45	42.74	rain	81.52	49.03	
<b>AVG DAILY</b>	26.42			29.78			38.20			44.32			56.10			65.28		

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

**SUNNYSIDE WEATHER STATION  
2001 CLIMATOLOGICAL REPORT**

day	July		July		July		Aug		Aug		Sept		Sept		Oct		Oct		Nov		Nov		Dec		Dec		
	max temp	min temp	precip	max temp	min temp																						
1	95	63		89	57		83	52		76	44		58	34		27	12										
2	95	62		84	60		87	53		77	47		59	34		32	27										
3	95	64		90	61	0.25	86	58		77	47		65	37		45	21										
4	100	65		88	60	0.15	84	58		74	46		65	40		33	25										
5	97	64		97	60		88	53		67	41		66	45		30	9										
6	94	66		95	62		67	37		71	43		64	43		39	19										
7	87	62		90	67		62	37		69	46		58	41	0.03	35	12										
8	93	62		88	65		69	35		44	44		55	31		34	13										
9	83	64		89	63	0.09	70	44		45	36	0.44	57	34		31	13										
10	81	60		88	63		82	44		50	27		54	38		31	13										
11	82	62		93	60		87	58		50	30		59	39		19											
12	88	62		95	64		87	55	0.05	49	32		59	39		17											
13	87	59	0.41	77	65		82	55		59	35		50	35		6											
14	69	55	0.12	82	56		81	55		66	38		56	32		6											
15	74	53		86	56	0.24	87	55		64	49		60	35		9											
16	80	51		85	59		85	59		65	39		60	36		12											
17	82	51		93	63		72	53	0.03	65	38		60	36		5											
18	83	51		95	63		75	44		65	39		55	35		10											
19	87	55		89	64		80	50		65	36		55	33		8											
20	87	56		77	62		83	52		67	41		52	31		13											
21	89	58		77	56		84	55		58	44		49	24		17											
22	90	56		70	49		87	56		62	36		48	28	0.15	17											
23		58		80	51		86	57		63	38		40	30		17											
24	88	60		81	57		81	56		50	22		38	22		8											
25	88	60		90	58		82	53		57	32		35	15		9											
26	76	54		93	60		82	52		63	32		28	27	0.45	12											
27	90	52		91	62		82	52		63	32		32	9		12											
28	94	59	0.01	92	60		78	47		67	39		32	9		17											
29	97	60		92	60		74	45		72	44		22	11		18											
30	88	58	0.06	85	57		74	47		66	50		25	16	0.21	18											
31	85	55		80	53		74	45		64	46		35	14	0.07	22											
Total																											
AVG	87.47	58.61	0.6	2690	1851	1.11	2379	1520	0.08	1821	1175	0.44	1424	896	0.91	967	444										
AVG DAILY		73.04		86.77	59.71		79.30	50.67		62.79	39.17		49.10	29.87		33.34	14.32										
					73.24			64.98			50.98			39.49			23.83										
AVERAGE HIGH TEMPERATURE				60.45																							
AVERAGE LOW TEMPERATURE				37.16																							
TOTAL PRECIPITATION FOR 2000				11.10																							
AVERAGE MONTHLY PRECIPITATION				0.93																							



## APPENDIX B-2 VEGETATION MONITORING

VEGETATION SAMPLING  
AT THE  
SUNNYSIDE COGENERATION FACILITY  
2001

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



*Prepared by*

**MT. NEBO SCIENTIFIC, INC.**

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Springville, Utah 84663

(801) 489-6937

Patrick D. Collins, Ph.D.

*for*

**SUNNYSIDE COGENERATION ASSOCIATES**

P.O. Box 10

East Carbon, Utah 84520

November 2001

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VEGETATION SAMPLING  
AT THE  
SUNNYSIDE COGENERATION FACILITY  
2001

**INTRODUCTION**

Qualitative sampling of the vegetation of the reclaimed old refuse road at the Sunnyside Cogeneration Facility was conducted August 8, 2001. A reference area had been chosen at an earlier date to represent standards for revegetation success at the time of final reclamation. This reference area was also sampled.

As a brief history, 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 match the contours of the existing slope. A seed mixture of plant species native (or approved introduced) to the area was then planted. The plant species used in the reclamation seed mixture are shown in Table 1.

Table 1: Plant Species Seeded
<p>SHRUBS</p> <p>Fourwing saltbush (<i>Atriplex canescens</i>)</p> <p>Shadscale (<i>Atriplex confertifolia</i>)</p> <p>Winterfat (<i>Ceratoides lanata</i>)</p> <p>Gardner saltbush (<i>Atriplex gardneri</i>)</p>
<p>FORBS</p> <p>Lewis Flax (<i>Linum lewisii</i>)</p> <p>Yellow sweetclover (<i>Melilotus officinalis</i>)</p> <p>Globemallow (<i>Sphaeralcea grossularifolia</i>)</p>
<p>GRASSES</p> <p>Thickspike wheatgrass (<i>Elymus lanceolatus</i>)</p> <p>Western wheatgrass (<i>Elymus smithii</i>)</p> <p>Needle-and-thread (<i>Stipa comata</i>)</p> <p>Indian ricegrass (<i>Stipa hymenoides</i>)</p> <p>Squirreltail (<i>Sitanion hystrix</i>)</p> <p>Slender wheatgrass (<i>Elymus trachycaulus</i>)</p>

**METHODS**

Qualitative sampling was required by the State of Utah, Division of Oil, Gas & Mining (DOG M).

A qualitative data sheet for each site is included in this report and provides the following information: site name, sample date, workers, slope, exposure, plant community, animal use/disturbance, erosion, cover, dominant plant species observed, and other pertinent notes. Brief descriptions of the information on the qualitative data sheets are given below.

Site Name

The site name is the study area.

Date

This is the date the qualitative data were recorded.

### Workers

Lists the names of the individuals who recorded the data.

### Slope

This is the slope angle of the sample area.

### Exposure

Exposure to the sun was recorded on each site. Often the site had several different exposures. In this case, the predominant exposures were recorded or are listed as "variable".

### Plant Community

This was the native plant community type where the sampling was conducted. If the community was previously disturbed (i.e. the reclaimed road), the native community that was disturbed is given.

### Animal Use/Disturbance

Values were given to the relative use by animal species at each site. The values and a brief explanation are given below.

- None - no animal use was observed.
- Slight - only little animal use was observed by droppings, tracks, or cropped vegetation.
- Moderate - a fair degree of use was observed, mostly by the cropped vegetation. Several inches of production still remained available for use by the animals.
- Severe - animal use had taken nearly all of the available current years production.

### Erosion

Erosion of the area was also assessed by qualitative methods. Actual measurements, descriptive notes or values described below were given to each site.

- None - (or negligible) no erosion was observed.
- Slight - small erosion rills beginning, usually less than 2:1 (2 inches wide by 1 inches deep).
- Moderate - erosional rills and gullies from 2:1 to 4:2.
- Severe - erosional rills and gullies over to 4:2 were observed.

### Cover

This is an approximate estimate of the total living plant cover.

### Dominant Plant Species Observed

These are the plant species observed during the study.

### Notes

Site-specific pertinent notes about each area were also taken i.e. identification of special considerations, areas of differential growth patterns, etc. Notes on specific methodologies on each site were also described here.

### Photographs

Color photographs were taken for each site and are included in this report for documentation.

## **RESULTS**

Qualitative data for the reclaimed and reference areas are shown on Tables 2 and 3, respectively.

Color photographs of the sample areas were also included in this report.

**Table 2: Qualitative Data for the Reclaimed Old Refuse Road at the Sunnyside Cogeneration Facility**

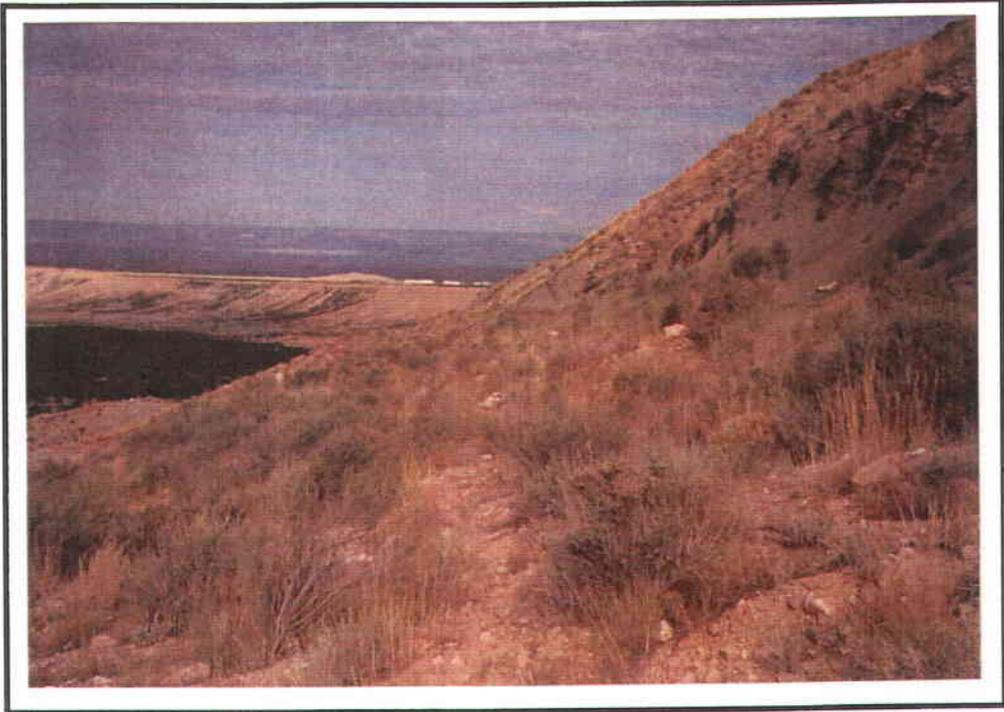
Site Name: Reclaimed Road	
Date: August 8, 2001	
Worker(s): P. Collins and P. Collins	
Slope: 32°	
Exposure: South	
Plant Community: Atriplex/Grass	
Animal Use/Disturbance: Slight- Moderate (Rabbits have used the site moderately for food and cover. Also, some deer use the area.)	
Erosion: Negligible on the more level areas of the road. Slight to moderate on some of the road cuts.	
Cover: 40%-50% (estimated living)	
Dominant Plant Species Observed	
SCIENTIFIC NAME	COMMON NAME
<u>Shrubs</u>	
<i>Atriplex confertifolia</i>	Shadscale
<i>Atriplex canescens</i> *	Fourwing saltbush
<i>Atriplex gardneri</i>	Castle Valley clover
<i>Ceratoides lanata</i> *	Winterfat
<i>Chrysothamnus nauseosus</i> *	Rubber rabbitbrush
<i>Gutierrezia sarothrae</i>	Broom snakeweed
<u>Forbs</u>	
<i>Machaeranthera grindelioides</i>	Gumweed aster
<i>Sisymbrium altissimum</i>	Tumbling mustard
<u>Grasses</u>	
<i>Agropyron cristatum</i>	Crested wheatgrass
<i>Bromus tectorum</i>	Cheatgrass
<i>Elymus smithii</i>	Western wheatgrass
<i>Elymus lanceolatus</i>	Thickspike wheatgrass
<i>Hordeum jubatum</i>	Foxtail
<i>Stipa comata</i>	Needle-and-threadgrass
<i>Stipa hymenoides</i>	Indian ricegrass
Notes	
1) *Site was dominated by mature saltbush, rabbitbrush & winterfat.	
2) Vegetation was in very good condition	
3) Quite a bit of sediment on road from the cut slopes	
4) Walked entire length of road to record data	

**Table 3: Qualitative Data for the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility**

Site Name: Reference Area	
Date: August 8, 2001	
Worker(s): P. Collins & P. Collins	
Slope: 38°	
Exposure: Southwest	
Plant Community: Atriplex/Grass	
Animal Use/Disturbance: Slight (deer and rabbit have used the site for food and cover).	
Erosion: Negligible	
Cover: 35% - 45% (estimated living)	
Dominant Plant Species Observed:	
SCIENTIFIC NAME	COMMON NAME
<u>Trees/Shrubs</u>	
<i>Amelanchier utahensis</i>	Serviceberry
<i>Atriplex confertifolia</i> *	Shadscale
<i>Atriplex gardneri</i>	Gardner saltbush
<i>Artemisia tridentata</i>	Big sagebrush
<i>Chrysothamnus nauseosus</i>	Rubber rabbitbrush
<i>Ephedra viridis</i>	Mormon tea
<i>Gutierrezia sarothrae</i>	Broom snakeweed
<i>Juniperus osteosperma</i>	Utah juniper
<i>Pinus edulis</i>	Pinyon pine
<u>Forbs</u>	
<i>Kochia scoparia</i>	Summer-cypress
<i>Machaeranthera grindelioides</i>	Gumweed aster
<i>Salsola pestifer</i>	Russian thistle
<i>Sisymbrium altissimum</i>	Tumbling mustard
<u>Grasses</u>	
<i>Bromus tectorum</i>	Cheatgrass
<i>Elymus salinus</i> *	Salina wildrye
<i>Hilaria jamesii</i>	Galleta
<i>Stipa hymenoides</i>	Indian ricegrass
Notes: 1) There seemed to be more weedy annuals compared to last year when this community was sampled quantitatively.	
2) Site was in very good condition.	
3) Site was dominated by shadscale and Salina wildrye*	

**COLOR PHOTOGRAPHS OF THE STUDY AREAS**

**Reclaimed Old Refuse Road**



**Reference Area**

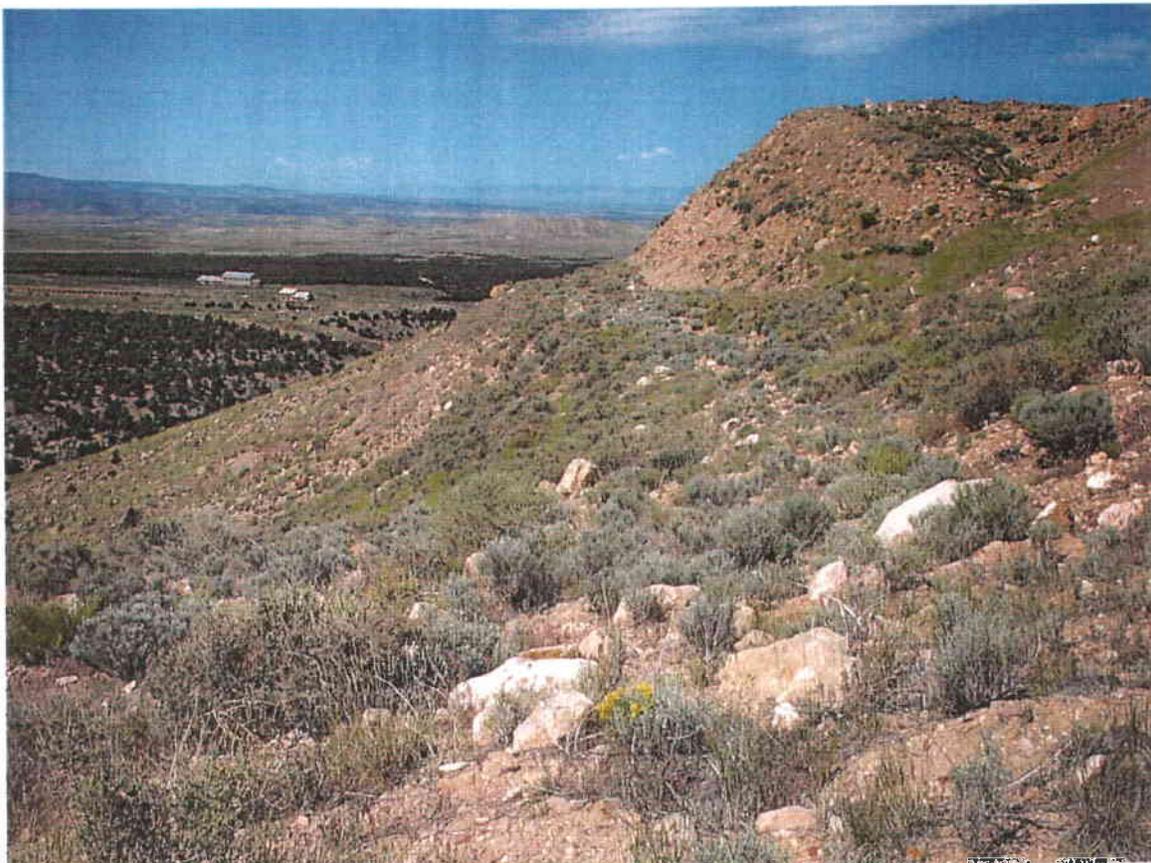


**PHOTOGRAPHS OF THE  
REVEGETATION AREAS**



Old Coarse Refuse Road Reclamation

June 7, 2001



Old Coarse Refuse Road Reclamation

June 7, 2001



Old Coarse Refuse Road Reclamation

June 7, 2001



South Bank East Slurry Cell

June 7, 2001



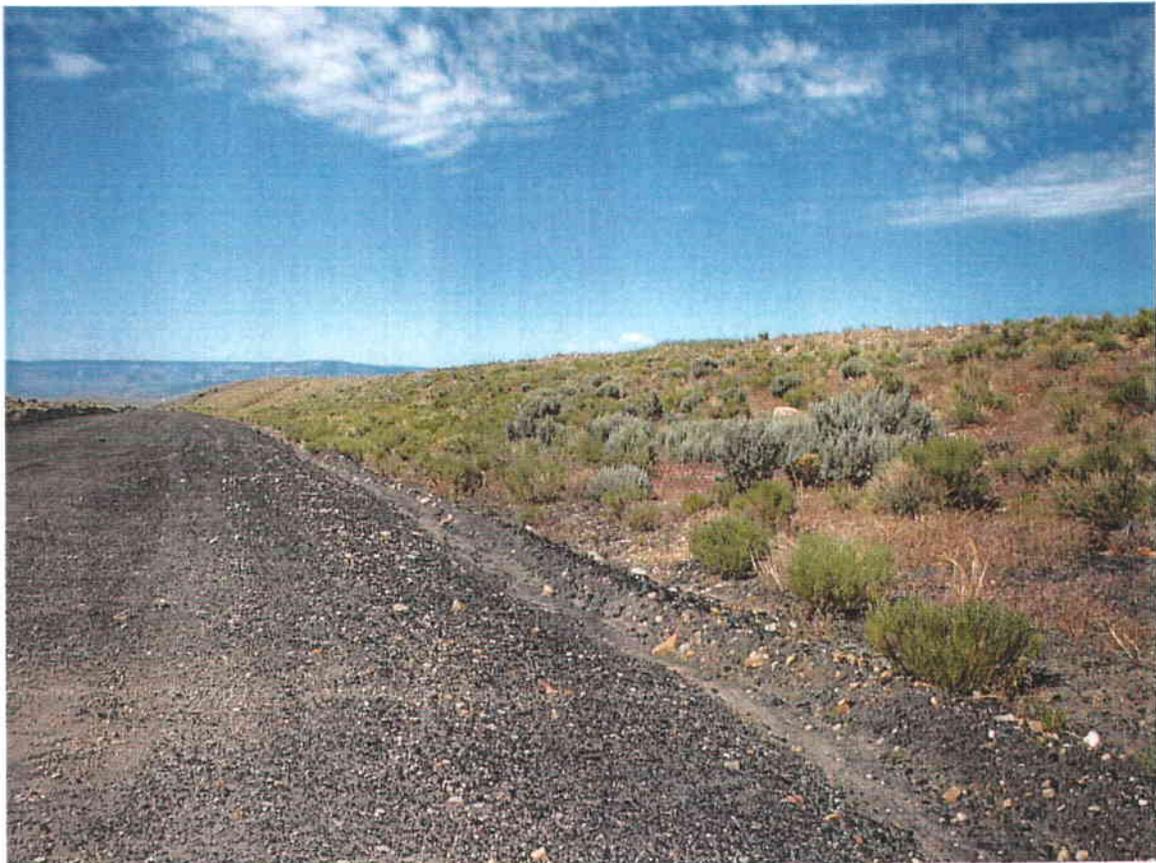
South Bank East Slurry Cell

June 7, 2001



Clear Water Pond Topsoil Pile

June 7, 2001



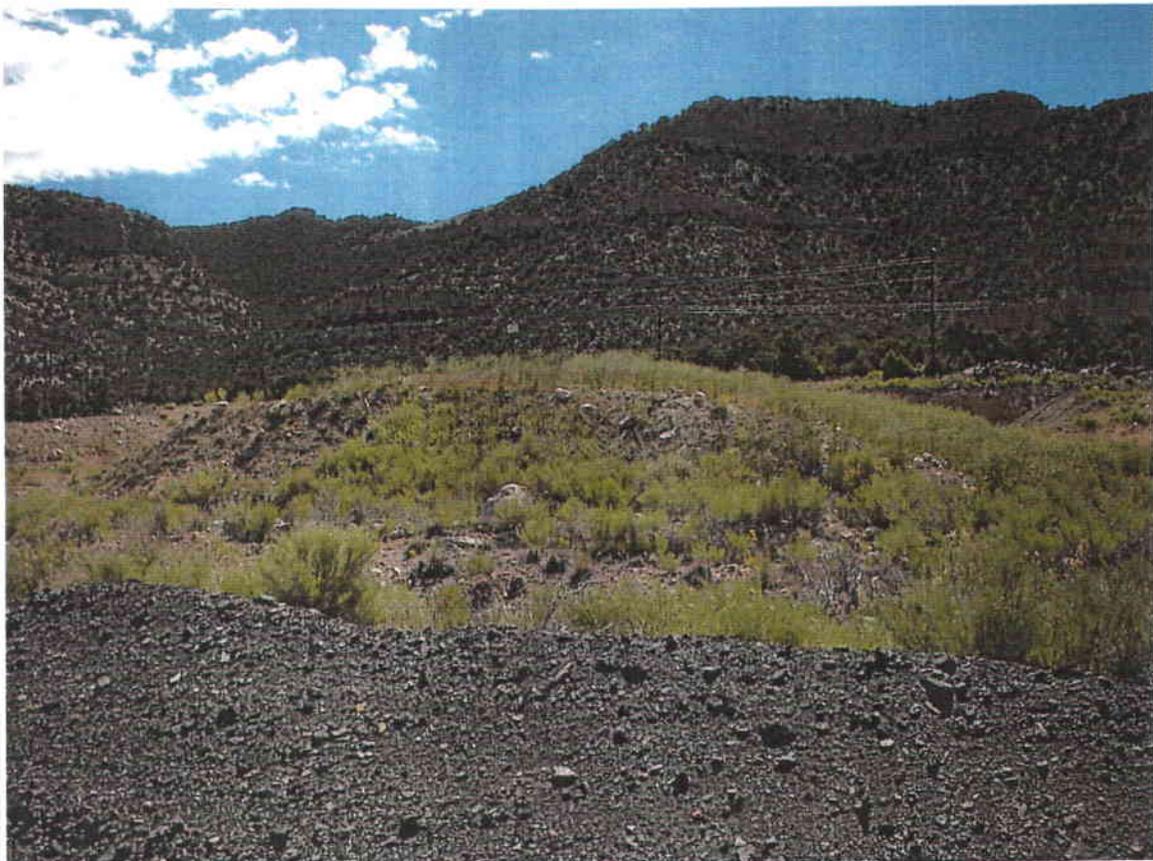
East Bank East Slurry Cell

June 7, 2001



Reclamation Borrow Area

June 7, 2001



Borrow Area Topsoil Stockpile

June 7, 2001



Access Road Topsoil Stockpile

June 7, 2001



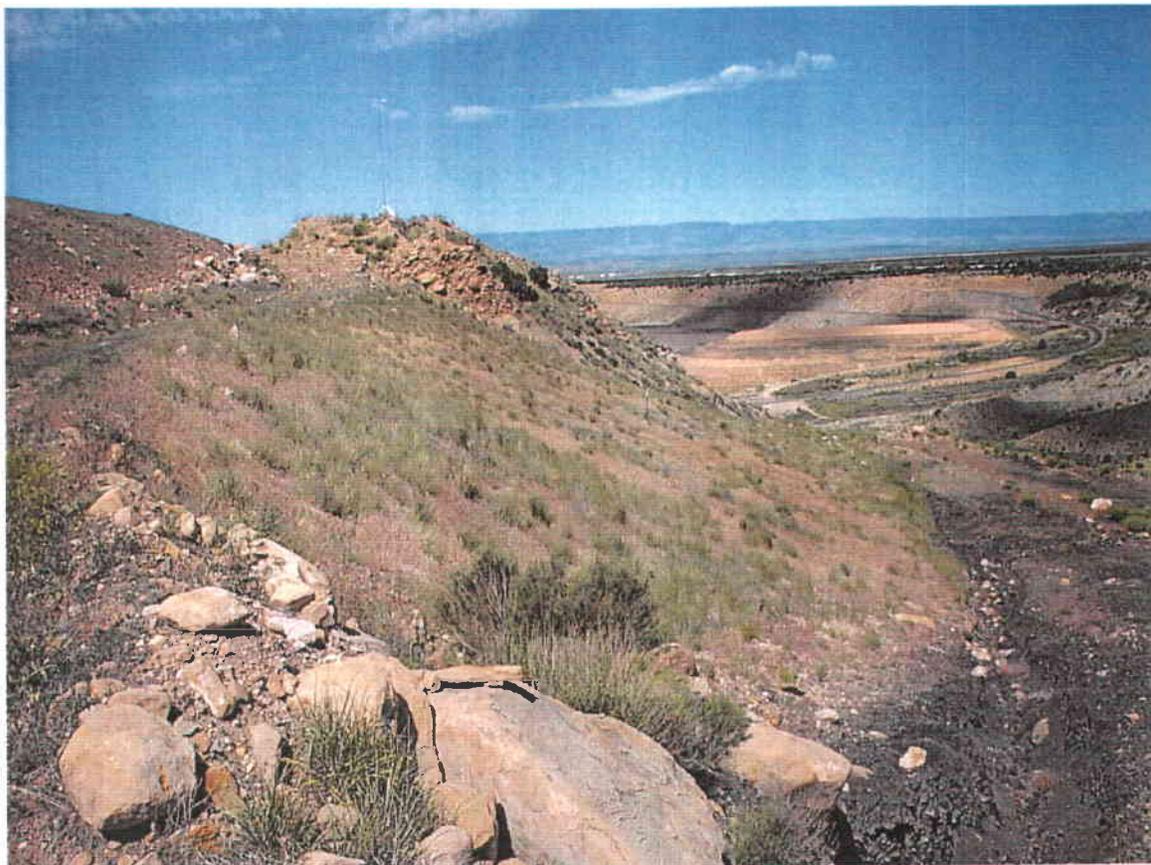
Storage Area Topsoil Pile

June 7, 2001



North Face Excess Spoil Disposal Area #1

June 7, 2001



North Face Excess Spoil Disposal Area #1

June 7, 2001



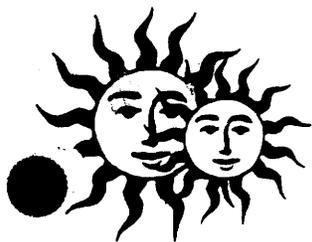
Third and Fourth Lifts of Coarse Refuse Pile

June 7, 2001



## 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 11, 2001

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-Liggit

Subject: Quarterly Sampling Report  
Monitoring Period: January, February, March, 2001  
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. Bill Malencik/Division of Oil, Gas & Mining  
Rusty Netz, COSI  
Plant File

# TABLE 2

Sunnyside Cogeneration Facility  
Sunnyside, Utah

## Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: First Quarter 2001  
Samples taken March 5, 2001

Monitoring Location	Location	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	I.D.	NW/F	NW/F	NW/F	NW/F	NW/F	2
Columbia Dugway Spring	F-2	6.4	8.5	1820	8.2	15	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	NW/F	NW/F	NW/F	NW/F	NW/F	2
Dragerton Well	Well-1	10.1	7.51	1120	6.9	250	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

### Notes:

na - no flow

NW - no water present

NW/F - no water present frozen

nd - data is not available due to lack of discharge

1 - Flow rates were measured using a weir.

2 - Flow rates were measured using a calibrated container and stopwatch method.

3 - Flow rates were measured using the floating debris method.

4 - Flow rates were measured using a meter



# COMMERCIAL TESTING & ENGINEERING CO.

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HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436  
www.comteco.com

March 26, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:WELL-1

Kind of sample Water  
reported to us

RECEIVED 1135

SAMPLED 1000

Page 1 of 1

Sample taken at

Sample taken by

Date sampled March 5, 2001

Date received March 6, 2001

Analysis report no. 59-22389

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	388	5	mg/l as HCO <sub>3</sub>	EPA 310.1	03-08-2001 0910 CB
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	03-08-2001 0910 CB
Alkalinity, Total	318	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	03-08-2001 0910 CB
Ammonia	9.2	----	meq/l	-----	03-26-2001 1030 SC
Calcium, Dissolved	65	1	mg/l	EPA 215.1	03-08-2001 1730 SC
Chloride	9.4	----	meq/l	-----	03-26-2001 1030 SC
Fluoride	5	1	mg/l	EPA 300.0	03-12-2001 0812 CB
Hardness, Total	352	----	mg/l as CaCO <sub>3</sub>	SM2340-B	03-26-2001 1030 SC
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	03-08-2001 1135 SC
Iron, Total	1.4	0.1	mg/l	EPA 236.1	03-08-2001 1135 SC
Magnesium, Dissolved	46	1	mg/l	EPA 242.1	03-08-2001 1815 SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	03-08-2001 1430 SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	03-08-2001 1430 SC
Oil & Grease	<2	2	mg/l	EPA 413.1	03-19-2001 0930 SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	03-08-2001 1500 SC
Sodium, Dissolved	53	1	mg/l	EPA 273.1	03-08-2001 1700 SC
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	03-06-2001 1415 CB
Solids, Total Dissolved	472	10	mg/l	EPA 160.1	03-08-2001 0855 CB
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	03-08-2001 0645 CB
Sulfate	129	1	mg/l	EPA 300.0	03-12-2001 0812 CB
Cation/Anion Balance	1.2	----	%		03-26-2001 1030 SC

**FAXED**

3-27-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory



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FAX: (435) 653-2436  
www.comteco.com

March 26, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:F-2

Kind of sample Water  
reported to us

RECEIVED 1135  
SAMPLED 0930  
Page 1 of 1

Sample taken at

Sample taken by

Date sampled March 5, 2001

Date received March 6, 2001

Analysis report no. 59-22388

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	567	5	mg/l as HCO <sub>3</sub>	EPA 310.1	03-08-2001	0910	CB
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	03-08-2001	0910	CB
Alkalinity, Total	465	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	03-08-2001	0910	CB
Ammonia	21.6	----	meq/l	-----	03-26-2001	1030	SC
Calcium, Dissolved	120	1	mg/l	EPA 215.1	03-08-2001	1730	SC
Chloride	22.5	----	meq/l	-----	03-26-2001	1030	SC
Fluoride	32	1	mg/l	EPA 300.0	03-12-2001	0812	CB
Hardness, Total	703	----	mg/l as CaCO <sub>3</sub>	SM2340-B	03-26-2001	1030	SC
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	03-08-2001	1135	SC
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	03-08-2001	1135	SC
Magnesium, Dissolved	98	2	mg/l	EPA 242.1	03-08-2001	1815	SC
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	03-08-2001	1430	SC
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	03-08-2001	1430	SC
Oil & Grease	<2	2	mg/l	EPA 413.1	03-19-2001	0930	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	03-08-2001	1500	SC
Sulfate, Dissolved	193	2	mg/l	EPA 273.1	03-08-2001	1700	SC
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	03-06-2001	1415	CB
Solids, Total Dissolved	1184	10	mg/l	EPA 160.1	03-08-2001	0855	CB
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	03-08-2001	0645	CB
Total Solids	547	6	mg/l	EPA 300.0	03-12-2001	0812	CB
Cation/Anion Balance	2.1	----	%		03-26-2001	1030	SC

**FAXED**

3-27-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*[Signature]*  
Huntington Laboratory



**SECOND QUARTER**

# TABLE 2

Sunnyside Cogeneration Facility  
Sunnyside, Utah

## Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: Second Quarter 2001  
Samples taken May 31, 2001

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelanders Creek	ICE-1	9.2	8.73	1680	9	35	2
Columbia Dugway Spring	F-2	11	8.53	1780	8.1	40	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	7.8	7.98	4750	8.7	20	2
Dragerton Well	Well-1	12.9	7.83	720	8.2	125	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



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ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1020  
HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

June 11, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:WELL-1

Kind of sample Water  
reported to us

RECEIVED 1000  
SAMPLED 1100

Sample taken at

Sample taken by

Date sampled May 31, 2001

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received June 1, 2001

Page 1 of 1

Analysis report no. 59-22631

Parameter	Result	MDL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	502	1.28	mg/l as HCO <sub>3</sub>	EPA 310.1	06-04-2001	0900	SC
Alkalinity, Carbonate	<5	1.28	mg/l as CO <sub>3</sub>	EPA 310.1	06-04-2001	0900	SC
Alkalinity, Total	412	1.28	mg/l as CaCO <sub>3</sub>	EPA 310.1	06-04-2001	0900	SC
Anions	13.1	----	meq/l	-----	06-08-2001	1105	SB
Calcium, Dissolved	60	0.20	mg/l	EPA 215.1	06-06-2001	1100	MK
Cations	12.8	----	meq/l	-----	06-08-2001	1105	SB
Chloride	11	0.20	mg/l	EPA 300.0	06-01-2001	1343	CB
Hardness, Total	372	----	mg/l as CaCO <sub>3</sub>	SM2340-B	06-08-2001	1105	SB
Iron, Total	<0.1	0.03	mg/l	EPA 236.1	06-07-2001	1030	MK
Iron, Dissolved	<0.1	0.02	mg/l	EPA 236.1	06-07-2001	1030	MK
Magnesium, Dissolved	54	0.41	mg/l	EPA 242.1	06-06-2001	1145	MK
Manganese, Total	<0.1	0.007	mg/l	EPA 243.1	06-07-2001	1115	MK
Manganese, Dissolved	<0.1	0.007	mg/l	EPA 243.1	06-07-2001	1115	MK
Oil & Grease	<2	1.3	mg/l	EPA 413.1	06-06-2001	0750	SC
Potassium, Dissolved	2	0.19	mg/l	EPA 258.1	06-07-2001	1300	MK
Sodium, Dissolved	123	0.2	mg/l	EPA 273.1	06-07-2001	1400	MK
Solids, Settleable	<0.2	0.2	ml/l	EPA 160.5	-	-	
Solids, Total Dissolved	733	6.2	mg/l	EPA 160.1	06-04-2001	0915	CB
Solids, Total Suspended	<5	3.8	mg/l	EPA 160.2	06-04-2001	0915	CB
Sulfate	220	0.16	mg/l	EPA 300.0	06-01-2001	1343	CB
Cation/Anion Balance	-1.1	----	%		06-08-2001	1105	SB

FAKED  
6-12-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*J. E. K...*

Huntington Laboratory





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P.O. BOX 1020  
HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

June 11, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:F-2

Kind of sample Water  
reported to us

RECEIVED 1000  
SAMPLED 1045

Sample taken at

Sample taken by

Date sampled May 31, 2001

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received June 1, 2001

Page 1 of 1

Analysis report no. 59-22630

Parameter	Result	MDL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	555	1.28	mg/l as HCO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC	
Alkalinity, Carbonate	7	1.28	mg/l as CO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC	
Alkalinity, Total	467	1.28	mg/l as CaCO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC	
Anions	20.1	----	meq/l	-----	06-08-2001 1105	SB	
Calcium, Dissolved	86	0.20	mg/l	EPA 215.1	06-06-2001 1100	MK	
Cations	19.4	----	meq/l	-----	06-08-2001 1105	SB	
Chloride	29	0.20	mg/l	EPA 300.0	06-01-2001 1343	CB	
Hardness, Total	577	----	mg/l as CaCO <sub>3</sub>	SM2340-B	06-08-2001 1105	SB	
Iron, Total	0.2	0.03	mg/l	EPA 236.1	06-07-2001 1030	MK	
Iron, Dissolved	<0.1	0.02	mg/l	EPA 236.1	06-07-2001 1030	MK	
Magnesium, Dissolved	88	0.41	mg/l	EPA 242.1	06-06-2001 1145	MK	
Manganese, Total	<0.1	0.007	mg/l	EPA 243.1	06-07-2001 1115	MK	
Manganese, Dissolved	<0.1	0.007	mg/l	EPA 243.1	06-07-2001 1115	MK	
Oil & Grease	<2	1.3	mg/l	EPA 413.1	06-06-2001 0750	SC	
Potassium, Dissolved	3	0.19	mg/l	EPA 258.1	06-07-2001 1300	MK	
Sodium, Dissolved	179	0.2	mg/l	EPA 273.1	06-07-2001 1400	MK	
Solids, Settleable	<0.2	0.2	ml/l	EPA 160.5	- -		
Solids, Total Dissolved	1156	6.2	mg/l	EPA 160.1	06-04-2001 0915	CB	
Solids, Total Suspended	<5	3.8	mg/l	EPA 160.2	06-04-2001 0915	CB	
Sulfate	477	0.16	mg/l	EPA 300.0	06-01-2001 1343	CB	
Cation/Anion Balance	-1.7	----	%		06-08-2001 1105	SB	

FAVED  
6-12-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

MEMBER  
ACIL



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FAX: (435) 653-2436

June 11, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:CRB

Kind of sample Water  
reported to us

RECEIVED 1000  
SAMPLED 0930

Sample taken at

Sample taken by

Date sampled May 31, 2001

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received June 1, 2001

Page 1 of 1

Analysis report no. 59-22628

Parameter	Result	MDL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	386	1.28	mg/l as HCO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC	
Alkalinity, Carbonate	<5	1.28	mg/l as CO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC	
Alkalinity, Total	316	1.28	mg/l as CaCO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC	
Anions	70.7	----	meq/l	-----	06-08-2001 1105	SB	
Calcium, Dissolved	438	0.20	mg/l	EPA 215.1	06-06-2001 1100	MK	
Cations	66.8	----	meq/l	-----	06-08-2001 1105	SB	
Chloride	131	0.20	mg/l	EPA 300.0	06-01-2001 1343	CB	
Hardness, Total	2255	----	mg/l as CaCO <sub>3</sub>	SM2340-B	06-08-2001 1105	SB	
Iron, Total	<0.1	0.03	mg/l	EPA 236.1	06-07-2001 1030	MK	
Iron, Dissolved	<0.1	0.02	mg/l	EPA 236.1	06-07-2001 1030	MK	
Magnesium, Dissolved	282	0.41	mg/l	EPA 242.1	06-06-2001 1145	MK	
Manganese, Total	<0.1	0.007	mg/l	EPA 243.1	06-07-2001 1115	MK	
Manganese, Dissolved	<0.1	0.007	mg/l	EPA 243.1	06-07-2001 1115	MK	
Oil & Grease	<2	1.3	mg/l	EPA 413.1	06-06-2001 0750	SC	
Potassium, Dissolved	21	0.19	mg/l	EPA 258.1	06-07-2001 1300	MK	
Sodium, Dissolved	487	0.2	mg/l	EPA 273.1	06-07-2001 1400	MK	
Solids, Settleable	<0.2	0.2	ml/l	EPA 160.5	- -		
Solids, Total Dissolved	4893	6.2	mg/l	EPA 160.1	06-04-2001 0915	CB	
Solids, Total Suspended	<5	3.8	mg/l	EPA 160.2	06-04-2001 0915	CB	
Sulfate	2916	0.16	mg/l	EPA 300.0	06-01-2001 1343	CB	
Cation/Anion Balance	-2.9	----	%		06-08-2001 1105	SB	

FAVED  
6/12/01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory



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ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1020  
HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

June 12, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:ICE-1

Kind of sample Water  
reported to us

RECEIVED 1000  
SAMPLED 1000

Sample taken at

Sample taken by

Date sampled May 31, 2001

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received June 1, 2001

Page 1 of 1

Analysis report no. 59-22629

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time	Analyst
Alkalinity, Bicarbonate	508	1.28	mg/l as HCO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC
Alkalinity, Carbonate	9	1.28	mg/l as CO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC
Alkalinity, Total	432	1.28	mg/l as CaCO <sub>3</sub>	EPA 310.1	06-04-2001 0900	SC
Anions	20.7	----	meq/l	-----	06-12-2001 1500	MK
Calcium, Dissolved	72	0.20	mg/l	EPA 215.1	06-06-2001 1100	MK
Cations	19.4	----	meq/l	-----	06-12-2001 1500	MK
Chloride	32	0.20	mg/l	EPA 300.0	06-11-2001 1500	CB
Hardness, Total	559	----	mg/l as CaCO <sub>3</sub>	SM2340-B	06-12-2001 1500	MK
Iron, Total	<0.1	0.03	mg/l	EPA 236.1	06-07-2001 1030	MK
Iron, Dissolved	<0.1	0.02	mg/l	EPA 236.1	06-07-2001 1030	MK
Magnesium, Dissolved	92	0.41	mg/l	EPA 242.1	06-06-2001 1145	MK
Manganese, Total	<0.1	0.007	mg/l	EPA 243.1	06-07-2001 1115	MK
Manganese, Dissolved	<0.1	0.007	mg/l	EPA 243.1	06-07-2001 1115	MK
Oil & Grease	<2	1.3	mg/l	EPA 413.1	06-06-2001 0750	SC
Potassium, Dissolved	3	0.19	mg/l	EPA 258.1	06-07-2001 1300	MK
Sodium, Dissolved	188	0.2	mg/l	EPA 273.1	06-07-2001 1400	MK
Solids, Settleable	<0.2	0.2	ml/l	EPA 160.5	06-01-2001 1325	SC
Solids, Total Dissolved	1154	6.2	mg/l	EPA 160.1	06-04-2001 0915	CB
Solids, Total Suspended	<5	3.8	mg/l	EPA 160.2	06-04-2001 0915	CB
Sulfate	539	0.16	mg/l	EPA 300.0	06-11-2001 1500	CB
Cation/Anion Balance	-3.3	----	%		06-12-2001 1500	MK

PAVED  
6-13-01

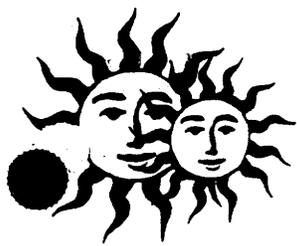
Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*[Signature]*  
Huntington Laboratory



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**THIRD QUARTER**



## Sunnyside Cogeneration Associates

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

October 5, 2001

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-Liggit

Subject: Quarterly Sampling Report  
Monitoring Period: July, August, September 2001  
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. Carl Housekeeper/Division of Oil, Gas & Mining  
Rusty Netz, COSI  
Plant File

# TABLE 2

Sunnyside Cogeneration Facility  
Sunnyside, Utah

## Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: Third Quarter 2001  
Samples taken September 6, 2001

Monitoring Location	Location	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelanders Creek	ICE-1	19.5	7.89	2200	8	30	2
Columbia Dugway Spring	F-2	17.8	7.83	2160	7.6	40	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	25	7.53	5080	7.3	15	2
Dragerton Well	Well-1	17.6	7.49	1395	8.3	125	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



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HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

September 25, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:ICE-1

Kind of sample Water  
reported to us

RECEIVED 1130  
SAMPLED 0930

Sample taken at SCA

NOTES:

Sample taken by R.N.

DIS.METALS  
FILTERED @ LAB

Date sampled September 6, 2001

Page 1 of 1

Date received September 7, 2001

Analysis report no. 59-23231

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time/Analyst		
Alkalinity, Bicarbonate	518	5	mg/l as HCO <sub>3</sub>	EPA 310.1	09-20-2001	0830	TS
Alkalinity, Carbonate	18	5	mg/l as CO <sub>3</sub>	EPA 310.1	09-20-2001	0830	TS
Alkalinity, Total	455	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	09-20-2001	0830	TS
Anions	17.9	----	meq/l	-----	09-24-2001	1700	SB
Calcium, Dissolved	48	1	mg/l	EPA 215.1	09-17-2001	0842	MK
Cations	16.6	----	meq/l	-----	09-24-2001	1700	SB
Chloride	26.2	0.5	mg/l	EPA 300.0	09-12-2001	1042	SC
Hardness, Total	445	----	mg/l as CaCO <sub>3</sub>	SM2340-B	09-24-2001	1700	SB
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-14-2001	0831	MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-14-2001	0831	MK
Magnesium, Dissolved	79	1	mg/l	EPA 242.1	09-17-2001	0935	MK
Manganese, Total	<0.05	0.05	mg/l	EPA 243.1	09-14-2001	0956	MK
Manganese, Dissolved	<0.05	0.05	mg/l	EPA 243.1	09-14-2001	0956	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	09-18-2001	0730	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	09-14-2001	1115	MK
Sodium, Dissolved	176	1	mg/l	EPA 273.1	09-14-2001	1204	MK
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-07-2001	1300	CB
Solids, Total Dissolved	990	10	mg/l	EPA 160.1	09-12-2001	0830	CB
Solids, Total Suspended	8	5	mg/l	EPA 160.2	09-12-2001	0830	CB
Sulfate	387	0.5	mg/l	EPA 300.0	09-12-2001	1042	SC
Cation/Anion Balance	-3.6	----	%		09-24-2001	1700	SB

**FAXED**  
9-25-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory

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FAX: (435) 653-2436

September 25, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:WELL-1

Kind of sample Water  
reported to us

RECEIVED 1130  
SAMPLED 1030

Sample taken at SCA

Sample taken by R.N.

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date sampled September 6, 2001

Date received September 7, 2001

Page 1 of 1

Analysis report no. 59-23233

Parameter	Result	MRL	Units	Method	Analyzed				
					Date/Time/Analyst				
Alkalinity, Bicarbonate	491	5	mg/l as HCO <sub>3</sub>	EPA 310.1	09-20-2001	0830	TS		
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	09-20-2001	0830	TS		
Alkalinity, Total	403	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	09-20-2001	0830	TS		
Anions	13.7	----	meq/l	-----	09-24-2001	1700	SB		
Calcium, Dissolved	60	1	mg/l	EPA 215.1	09-17-2001	0842	MK		
Cations	12.4	----	meq/l	-----	09-24-2001	1700	SB		
Chloride	17.9	0.5	mg/l	EPA 300.0	09-12-2001	1042	SC		
Hardness, Total	360	----	mg/l as CaCO <sub>3</sub>	SM2340-B	09-24-2001	1700	SB		
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-14-2001	0831	MK		
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-14-2001	0831	MK		
Magnesium, Dissolved	51	1	mg/l	EPA 242.1	09-17-2001	0935	MK		
Manganese, Total	<0.05	0.05	mg/l	EPA 243.1	09-14-2001	0956	MK		
Manganese, Dissolved	<0.05	0.05	mg/l	EPA 243.1	09-14-2001	0956	MK		
Oil & Grease	<2	2	mg/l	EPA 413.1	09-18-2001	0730	SC		
Potassium, Dissolved	2	1	mg/l	EPA 258.1	09-14-2001	1115	MK		
Sodium, Dissolved	119	1	mg/l	EPA 273.1	09-14-2001	1204	MK		
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-07-2001	1300	CB		
Solids, Total Dissolved	727	10	mg/l	EPA 160.1	09-12-2001	0830	CB		
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	09-12-2001	0830	CB		
Sulfate	249	0.5	mg/l	EPA 300.0	09-12-2001	1042	SC		
Cation/Anion Balance	-5.0	----	%		09-24-2001	1700	SB		

FAXED  
9-25-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

September 25, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID: F-2

Kind of sample Water  
reported to us

RECEIVED 1130  
SAMPLED 0945

Sample taken at SCA

Sample taken by R.N.

Date sampled September 6, 2001

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received September 7, 2001

Page 1 of 1

Analysis report no. 59-23232

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time/Analyst	
Alkalinity, Bicarbonate	589	5	mg/l as HCO <sub>3</sub>	EPA 310.1	09-20-2001 0830	TS
Alkalinity, Carbonate	8	5	mg/l as CO <sub>3</sub>	EPA 310.1	09-20-2001 0830	TS
Alkalinity, Total	496	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	09-20-2001 0830	TS
Anions	17.6	----	meq/l	-----	09-24-2001 1700	SB
Calcium, Dissolved	69	1	mg/l	EPA 215.1	09-17-2001 0842	MK
Cations	16.9	----	meq/l	-----	09-24-2001 1700	SB
Chloride	22.9	0.5	mg/l	EPA 300.0	09-12-2001 1042	SC
Hardness, Total	485	----	mg/l as CaCO <sub>3</sub>	SM2340-B	09-24-2001 1700	SB
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-14-2001 0831	MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-14-2001 0831	MK
Magnesium, Dissolved	76	1	mg/l	EPA 242.1	09-17-2001 0935	MK
Manganese, Total	<0.05	0.05	mg/l	EPA 243.1	09-14-2001 0956	MK
Manganese, Dissolved	<0.05	0.05	mg/l	EPA 243.1	09-14-2001 0956	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	09-18-2001 0730	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	09-14-2001 1115	MK
Sodium, Dissolved	164	1	mg/l	EPA 273.1	09-14-2001 1204	MK
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-07-2001 1300	CB
Solids, Total Dissolved	847	10	mg/l	EPA 160.1	09-12-2001 0830	CB
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	09-12-2001 0830	CB
Sulfate	338	0.5	mg/l	EPA 300.0	09-12-2001 1042	SC
Cation/Anion Balance	-2.0	----	%		09-24-2001 1700	SB

FAXED  
9-25-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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TEL: (435) 653-2311  
FAX: (435) 653-2436

September 27, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:CRB

Kind of sample Water  
reported to us

RECEIVED 1130  
SAMPLED 0900

Sample taken at SCA

Sample taken by

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date sampled September 6, 2001

Page 1 of 1

Date received September 7, 2001

Analysis report no. 59-23234

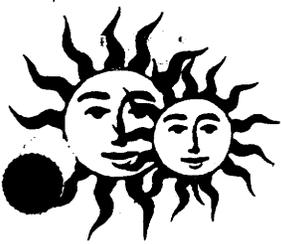
Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time/Analyst	
Alkalinity, Bicarbonate	396	5	mg/l as HCO <sub>3</sub>	EPA 310.1	09-20-2001 0830	TS
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	09-20-2001 0830	TS
Alkalinity, Total	325	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	09-20-2001 0830	TS
Anions	79.5	----	meq/l	-----	09-27-2001 1000	SB
Calcium, Dissolved	443	1	mg/l	EPA 215.1	09-17-2001 0842	MK
Cations	71.9	----	meq/l	-----	09-27-2001 1000	SB
Chloride	140.5	0.5	mg/l	EPA 300.0	09-25-2001 0957	SC
Hardness, Total	2370	----	mg/l as CaCO <sub>3</sub>	SM2340-B	09-27-2001 1000	SB
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-14-2001 0831	MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-14-2001 0831	MK
Magnesium, Dissolved	307	1	mg/l	EPA 242.1	09-17-2001 0935	MK
Manganese, Total	<0.05	0.05	mg/l	EPA 243.1	09-14-2001 0956	MK
Manganese, Dissolved	<0.05	0.05	mg/l	EPA 243.1	09-14-2001 0956	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	09-18-2001 0730	SC
Potassium, Dissolved	21	1	mg/l	EPA 258.1	09-14-2001 1115	MK
Sodium, Dissolved	552	1	mg/l	EPA 273.1	09-14-2001 1204	MK
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	09-07-2001 1300	CB
Solids, Total Dissolved	5392	10	mg/l	EPA 160.1	09-12-2001 0830	CB
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	09-12-2001 0830	CB
Sulfate	3317	0.5	mg/l	EPA 300.0	09-25-2001 0957	SC
Cation/Anion Balance	-5.0	----	%		09-27-2001 1000	SB

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory



**FOURTH QUARTER**



## Sunnyside Cogeneration Associates

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

December 5, 2001

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-Liggit

Subject: Quarterly Sampling Report  
Monitoring Period: October, November, December 2001  
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. Carl Housekeeper/Division of Oil, Gas & Mining  
Rusty Netz, COSI  
Plant File

# TABLE 2

## Sunnyside Cogeneration Facility Sunnyside, Utah

### Field Parameter Data

DOG M Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: Fourth Quarter 2001  
Samples taken December 5, 2001

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Iceland Creek	ICE-1	3.8	8.7	1590	9	20	2
Columbia Dugway Spring	F-2	4.6	8.78	1525	8.9	25	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	3.3	8.13	4813	9.2	20	2
Dragerton Well	Well-1	8.9	7.78	510	8.6	250	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:

na - no flow

NW - no water present

NW/F - no water present frozen

nd - data is not available due to lack of discharge

1 - Flow rates were measured using a weir.

2 - Flow rates were measured using a calibrated container and stopwatch method.

3 - Flow rates were measured using the floating debris method.

4 - Flow rates were measured using a meter



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P.O. BOX 1020  
HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

December 7, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:CRB

9-site

Kind of sample Water  
reported to us

RECEIVED 1200  
SAMPLED 1000

Sample taken at Sunnyside Co-Gen

Sample taken by Rusty Netz

Date sampled November 19, 2001

Date received November 20, 2001

NOTES:

DIS.METALS  
FILTERED @ LAB

Page 1 of 1

Analysis report no. 59-23653

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time	Analyst
Alkalinity, Bicarbonate	387	5	mg/l	as HCO <sub>3</sub> EPA 310.1	12-04-2001	0930 SC
Alkalinity, Carbonate	<5	5	mg/l	as CO <sub>3</sub> EPA 310.1	12-04-2001	0930 SC
Alkalinity, Total	317	5	mg/l	as CaCO <sub>3</sub> EPA 310.1	12-04-2001	0930 SC
Anions	70.6	----	meq/l	-----	12-05-2001	1330 CB
Calcium, Dissolved	454	1	mg/l	EPA 215.1	12-05-2001	0953 MK
Cations	71.8	----	meq/l	-----	12-05-2001	1330 CB
Chloride	144.3	0.5	mg/l	EPA 300.0	11-27-2001	1245 CB
Hardness, Total	2427	----	mg/l	as CaCO <sub>3</sub> SM2340-B	12-05-2001	1330 CB
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	12-05-2001	1154 MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	12-05-2001	1205 MK
Magnesium, Dissolved	314	1	mg/l	EPA 242.1	12-05-2001	1005 MK
Manganese, Total	<0.05	0.05	mg/l	EPA 243.1	12-05-2001	1215 MK
Manganese, Dissolved	<0.05	0.05	mg/l	EPA 243.1	12-05-2001	1224 MK
Oil & Grease	<2	2	mg/l	EPA 413.1	11-28-2001	0940 SC
Potassium, Dissolved	24	1	mg/l	EPA 258.1	12-05-2001	1105 MK
Sodium, Dissolved	522	1	mg/l	EPA 273.1	12-05-2001	1122 MK
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	11-20-2001	1215 CB
Solids, Total Dissolved	5020	10	mg/l	EPA 160.1	11-20-2001	0900 SC
Solids, Total Suspended	8	5	mg/l	EPA 160.2	11-20-2001	0900 SC
Sulfate	2890	0.5	mg/l	EPA 300.0	11-27-2001	1245 CB
Cation/Anion Balance	0.9	----	%		12-05-2001	1330 CB

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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P.O. BOX 1020  
HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

December 10, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID: ICE-1 *12-site*

Kind of sample Water  
reported to us

RECEIVED 1200  
SAMPLED 1020

Sample taken at Sunnyside Co-Gen

Sample taken by Rusty Netz

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date sampled November 19, 2001

Page 1 of 1

Date received November 20, 2001

Analysis report no. 59-23654

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time/Analyst	
Alkalinity, Bicarbonate	533	5	mg/l as HCO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Alkalinity, Carbonate	9	5	mg/l as CO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Alkalinity, Total	452	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Anions	17.5	----	meq/l	-----	12-10-2001 0945	CB
Calcium, Dissolved	54	1	mg/l	EPA 215.1	12-05-2001 0953	MK
Cations	17.3	----	meq/l	-----	12-10-2001 0945	CB
Chloride	22.7	0.5	mg/l	EPA 300.0	11-27-2001 1245	CB
Hardness, Total	481	----	mg/l as CaCO <sub>3</sub>	SM2340-B	12-10-2001 0945	CB
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	12-05-2001 1154	MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	12-05-2001 1205	MK
Magnesium, Dissolved	84	1	mg/l	EPA 242.1	12-05-2001 1005	MK
Manganese, Total	<0.05	0.05	mg/l	EPA 243.1	12-05-2001 1215	MK
Manganese, Dissolved	<0.05	0.05	mg/l	EPA 243.1	12-05-2001 1224	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	11-28-2001 0940	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	12-05-2001 1105	MK
Sodium, Dissolved	175	1	mg/l	EPA 273.1	12-05-2001 1122	MK
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	11-20-2001 1215	CB
Solids, Total Dissolved	3956	10	mg/l	EPA 160.1	11-20-2001 1215	SC
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	11-20-2001 0900	SC
Sulfate	377	0.5	mg/l	EPA 300.0	12-07-2001 1130	SC
Cation/Anion Balance	-0.7	----	%		12-10-2001 0945	CB

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory





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FAX: (435) 653-2436

www.comteco.com

December 10, 2001

Sunnyside Cogeneration Assoc.

P.O. Box 10

East Carbon Utah 84520

Sample identification by  
Sunnyside Cogeneration Assoc.

ID: WELL-1 8-site

Kind of sample Water  
reported to us

RECEIVED 1200

SAMPLED 1100

Sample taken at Sunnyside Co-Gen

Sample taken by Rusty Netz

NOTES:

DIS. METALS

FILTERED @ LAB

Date sampled November 19, 2001

Page 1 of 1

Date received November 20, 2001

Analysis report no. 59-23656

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time/Analyst	
Alkalinity, Bicarbonate	485	5	mg/l as HCO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Alkalinity, Total	398	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Anions	13.6	----	meq/l	-----	12-10-2001 0945	CB
Calcium, Dissolved	66	1	mg/l	EPA 215.1	12-05-2001 0953	MK
Cations	13.5	----	meq/l	-----	12-10-2001 0945	CB
Chloride	15.3	0.5	mg/l	EPA 300.0	11-27-2001 1245	CB
Hardness, Total	404	----	mg/l as CaCO <sub>3</sub>	SM2340-B	12-10-2001 0945	CB
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	12-05-2001 1154	MK
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	12-05-2001 1205	MK
Magnesium, Dissolved	58	1	mg/l	EPA 242.1	12-05-2001 1005	MK
Manganese, Total	<0.05	0.05	mg/l	EPA 243.1	12-05-2001 1215	MK
Manganese, Dissolved	<0.05	0.05	mg/l	EPA 243.1	12-05-2001 1224	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	11-28-2001 0940	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	12-05-2001 1105	MK
Sodium, Dissolved	124	1	mg/l	EPA 273.1	12-05-2001 1122	MK
Solids, Settleable	<0.1	0.1	ml/l	EPA 160.5	11-20-2001 1215	CB
Solids, Total Dissolved	777	10	mg/l	EPA 160.1	11-26-2001 0800	CB
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	11-26-2001 0800	CB
Sulfate	249	0.5	mg/l	EPA 300.0	12-07-2001 1130	SC
Cation/Anion Balance	-0.1	----	%		12-10-2001 0945	CB

Respectfully submitted,  
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www.comteco.com

December 6, 2001

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID: F-2 *11-site*

Kind of sample Water  
reported to us

RECEIVED 1200  
SAMPLED 1040

Sample taken at Sunnyside Co-Gen

Sample taken by Rusty Netz

NOTES:  
DIS. METALS  
FILTERED @ LAB

Date sampled November 19, 2001

Page 1 of 1

Date received November 20, 2001

Analysis report no. 59-23655

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	583	5	mg/l	as HCO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Alkalinity, Carbonate	<5	5	mg/l	as CO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Alkalinity, Total	478	5	mg/l	as CaCO <sub>3</sub>	EPA 310.1	12-04-2001 0930	SC
Anions	17.2	----	meq/l	-----	-----	12-05-2001 1330	CB
X Calcium, Dissolved	74	1	mg/l		EPA 215.1	12-05-2001 0953	MK
Cations	17.4	----	meq/l	-----	-----	12-05-2001 1330	CB
Chloride	19.8	0.5	mg/l		EPA 300.0	11-27-2001 1245	CB
Hardness, Total	514	----	mg/l	as CaCO <sub>3</sub>	SM2340-B	12-05-2001 1330	CB
Iron, Total	0.1	0.1	mg/l		EPA 236.1	12-05-2001 1154	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	12-05-2001 1205	MK
Magnesium, Dissolved	80	1	mg/l		EPA 242.1	12-05-2001 1005	MK
Manganese, Total	<0.05	0.05	mg/l		EPA 243.1	12-05-2001 1215	MK
Manganese, Dissolved	<0.05	0.05	mg/l		EPA 243.1	12-05-2001 1224	MK
X Oil & Grease	<2	2	mg/l		EPA 413.1	11-28-2001 0940	SC
Potassium, Dissolved	2	1	mg/l		EPA 258.1	12-05-2001 1105	MK
Sodium, Dissolved	163	1	mg/l		EPA 273.1	12-05-2001 1122	MK
X Solids, Settleable	<0.1	0.1	ml/l		EPA 160.5	11-20-2001 1215	CB
Solids, Total Dissolved	1009	10	mg/l		EPA 160.1	11-26-2001 0800	CB
X Solids, Total Suspended	<5	5	mg/l		EPA 160.2	11-26-2001 0800	CB
Sulfate	339	0.5	mg/l		EPA 300.0	11-27-2001 1245	CB
X Cation/Anion Balance	0.7	----	%			12-05-2001 1330	CB

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



## APPENDIX B-4 MINED QUANTITIES

## 2001 TONNAGE'S

### SCA MINED QUANTITIES

COARSE	287,814 TONS
FINES	74,678 TONS
	<hr/>
	362,492 TONS

REJECTS PLACED IN EXCESS SPOIL DISPOSAL AREA #2	23,475 TONS
---	-------------

### OTHER OFF-SITE FUELS DELIVERED TO THE SITE

SAVAGE COAL TERMINAL	126,876 TONS
COVOL	774 TONS
COAL TAR	512 TONS
	<hr/>
	128,162 TONS



APPENDIX B-5  
SOIL SAMPLING  
EXCESS SPOIL DISPOSAL AREA #2



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

February 28, 2002

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

PLEASE ADDRESS ALL CORRESPONDENCE TO:  
4665 PARIS, B-200  
DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4791

**Client Sample ID:** S.W. 3/15/01  
**Date Received:** 12/18/2001  
**Matrix:** Soil  
**Project Name/# :** Spoils Pile 2001 Composite  
SCA

**Date Sampled :** 03/15/2001

**CT&E Sample ID: 072-1271-002**

### ANALYTE

### RESULT

Boron, Total	1.3 ppm
Carbon, Total Organic	5.64 %
Conductivity	5.46 mmhos/cm
Neutralization Potential	119 t/1000t
Nitrogen, Nitrate	4.47 ppm
Nitrogen	0.08 %
Texture Class	Loamy Sand
Sand	86.0 %
Silt	10.0 %
Clay	4.00 %
pH	8.27 su
Sodium Absorption Ratio	10.2 ppm
Magnesium, Soluble	522 meq/L
Calcium, Soluble	710 meq/L
Sodium, Soluble	254 meq/L
Selenium, Hot Water	0.05 ppm
Sulfur, ABP	73.1 t/1000t
Sulfur, AP	45.9 t/1000t
Sulfur, Total	1.47 %



Member of the SGS Group (Société Générale de Surveillance)

*Kristi Bulls*



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February 28, 2002

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USA

PLEASE ADDRESS ALL CORRESPONDENCE TO:  
4665 PARIS, B-200  
DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4791

**Client Sample ID:** N.E. 3/15/01  
**Date Received:** 12/18/2001  
**Matrix:** Soil  
**Project Name/# :** Spoils Pile 2001 Composite  
SCA

**Date Sampled :** 03/15/2001

**CT&E Sample ID: 072-1271-004**

## ANALYTE

## RESULT

Boron, Total	0.97 ppm
Carbon, Total Organic	14.8 %
Conductivity	4.36 mmhos/cm
Neutralization Potential	137 t/1000t
Nitrogen, Nitrate	1.66 ppm
Nitrogen	0.24 %
Texture Class	Loamy Sand
Sand	86.0 %
Silt	10.0 %
Clay	4.00 %
pH	7.37 su
Magnesium, Soluble	318 meq/L
Calcium, Soluble	792 meq/L
Sodium, Soluble	153 meq/L
Sodium Absorption Ratio	6.49 ppm
Selenium, Hot Water	<0.01 ppm
Sulfur, ABP	122 t/1000t
Sulfur, AP	15.3 t/1000t
Sulfur, Total	0.49 %



Member of the SGS Group (Société Générale de Surveillance)

*Kristi Brells*



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February 28, 2002

PLEASE ADDRESS ALL CORRESPONDENCE TO:  
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DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4791

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

**Client Sample ID:** S.W. 9/30/01  
**Date Received:** 12/18/2001  
**Matrix:** Soil  
**Project Name/# :** Spoils Pile 2001 Composite  
SCA

**Date Sampled :** 09/30/2001

**CT&E Sample ID: 072-1271-001**

### ANALYTE

### RESULT

Boron, Total	1.0 ppm
Carbon, Total Organic	6.21 %
Conductivity	3.28 mmhos/cm
Neutralization Potential	136 t/1000t
Nitrogen, Nitrate	1.32 ppm
Nitrogen	1.58 %
Texture Class	Loamy Sand
Sand	84.0 %
Silt	10.0 %
Clay	6.00 %
pH	8.77 su
Sodium Absorption Ratio	16.2 ppm
Magnesium, Soluble	275 meq/L
Calcium, Soluble	179 meq/L
Sodium, Soluble	244 meq/L
Selenium, Hot Water	<0.01 ppm
Sulfur, ABP	122 t/1000t
Sulfur, AP	14.4 t/1000t
Sulfur, Total	0.46 %

*Kristi Bulls*



Member of the SGS Group (Société Générale de Surveillance)



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

February 28, 2002

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

PLEASE ADDRESS ALL CORRESPONDENCE TO:  
4665 PARIS, B-200  
DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4791

<b>Client Sample ID:</b>	N.E. 9/30/01	<b>Date Sampled :</b>	09/30/2001
<b>Date Received:</b>	12/18/2001		
<b>Matrix:</b>	Soil		
<b>Project Name/# :</b>	Spoils Pile 2001 Composite SCA		

CT&E Sample ID: 072-1271-003

### ANALYTE

### RESULT

Boron, Total	1.1 ppm
Carbon, Total Organic	8.33 %
Conductivity	5.58 mmhos/cm
Neutralization Potential	142 t/1000t
Nitrogen, Nitrate	2.29 ppm
Nitrogen	0.15 %
Texture Class	Loamy Sand
Sand	86.0 %
Silt	8.00 %
Clay	6.00 %
pH	8.56 su
Sodium Absorption Ratio	11.1 ppm
Magnesium, Soluble	545 meq/L
Calcium, Soluble	621 meq/L
Sodium, Soluble	267 meq/L
Selenium, Hot Water	<0.01 ppm
Sulfur, ABP	124 t/1000t
Sulfur, AP	18.1 t/1000t
Sulfur, Total	0.58 %



Member of the SGS Group (Société Générale de Surveillance)

*Kristi Bulls*



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-9306

February 28, 2002

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

PLEASE ADDRESS ALL CORRESPONDENCE TO:  
4665 PARIS, B-200  
DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4791

**Client Sample ID:** Center 11/10/01  
**Date Received:** 12/18/2001  
**Matrix:** Soil  
**Project Name/# :** Spoils Pile 2001 Composite  
SCA

**Date Sampled :** 11/10/2001

**CT&E Sample ID: 072-1271-005**

## ANALYTE

## RESULT

Boron, Total	1.2 ppm
Carbon, Total Organic	7.17 %
Conductivity	4.77 mmhos/cm
Neutralization Potential	140 t/1000t
Nitrogen, Nitrate	1.28 ppm
Nitrogen	0.13 %
Texture Class	Loamy Sand
Sand	84.0 %
Silt	10.0 %
Clay	6.00 %
pH	8.37 su
Sodium Absorption Ratio	8.94 ppm
Calcium, Soluble	614 meq/L
Magnesium, Soluble	408 meq/L
Sodium, Soluble	202 meq/L
Selenium, Hot Water	<0.01 ppm
Sulfur, ABP	120 t/1000t
Sulfur, AP	19.7 t/1000t
Sulfur, Total	0.63 %



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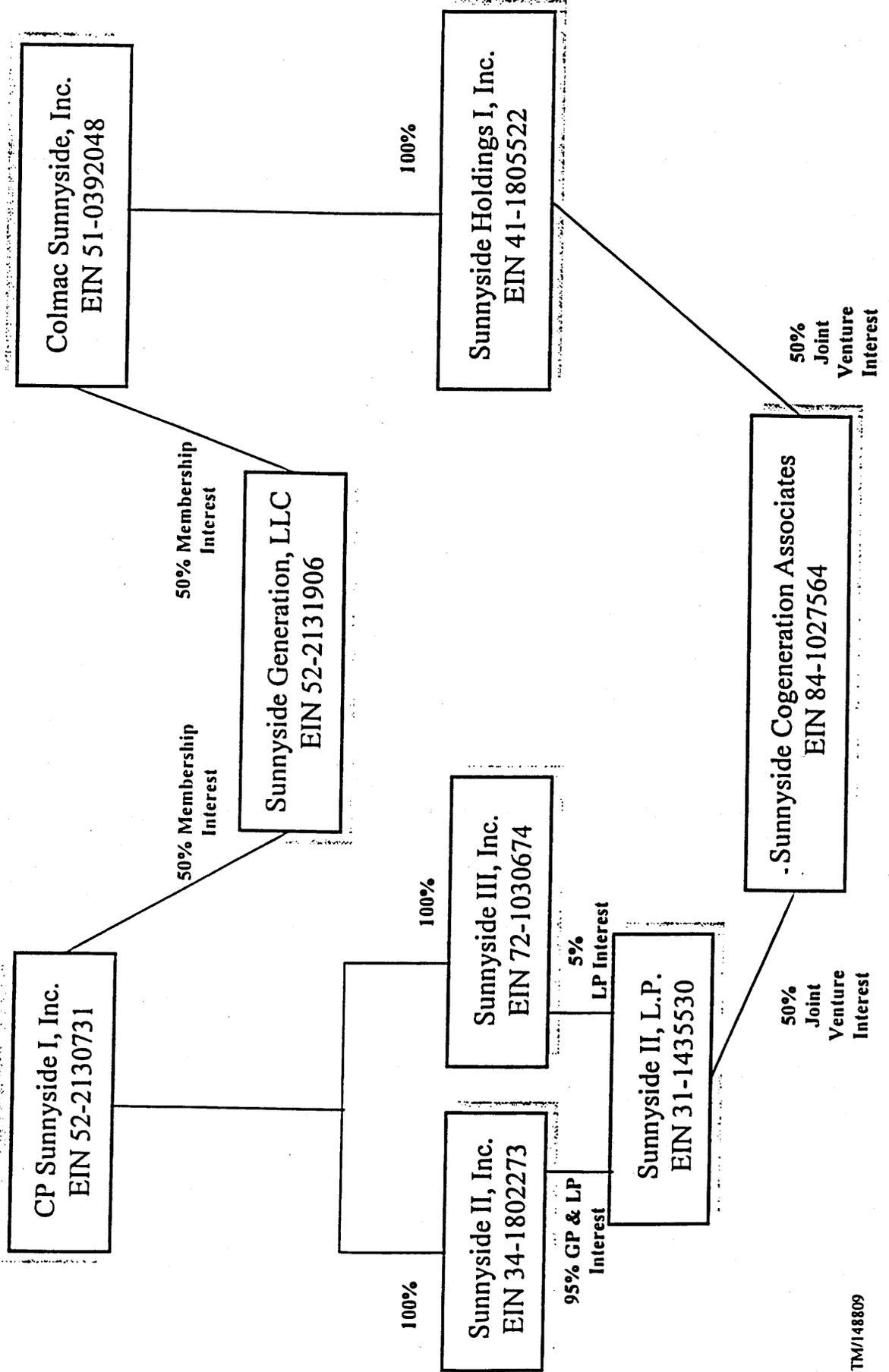
*Kristi Bulls*



# APPENDIX C ANNUAL REPORT OF OFFICERS

# Sunnyside Organization Chart

as of 10/21/99



CALLISTER NEBEKER  
& McCULLOUGH

A PROFESSIONAL CORPORATION  
ATTORNEYS AT LAW  
GATEWAY TOWER EAST SUITE 900  
10 EAST SOUTH TEMPLE  
SALT LAKE CITY, UTAH 84133  
TELEPHONE 801-530-7300  
FAX 801-364-9127

OF COUNSEL  
GERI A. ALLISON  
LUCY KNIGHT ANDRE  
T. RICHARD DAVIS

LOUIS H. CALLISTER, SR.  
(1904-1983)  
FRED L. FINLINSON  
(1906-1995)  
RICHARD H. NEBEKER  
(1924-1998)

TO CALL WRITER DIRECT  
(801) 530-7428  
brianburnett@cnmlaw.com

LOUIS H. CALLISTER  
GARY R. HOWE  
L.S. McCULLOUGH, II  
FRED W. FINLINSON  
DOROTHY C. PLESHE  
JEFFREY N. CLAYTON  
JAMES R. HOLBROOK  
W. WALDAN LLOYD  
JEFFREY L. SHIELDS  
RICHARD T. BEARD  
STEVEN E. TYLER  
CRAIG F. McCULLOUGH  
GEORGE R. SUTTON  
RANDALL D. BENSON  
GEORGE E. HARRIS, JR.<sup>1</sup>  
PAUL H. SHAPHREN  
DAMON E. COOMBS  
CYNTHIA J. CRASS  
BRIAN W. BURNETT  
CASS C. BUTLER

LYNDA COOK  
JOHN H. REES  
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MARTIN R. DENNEY  
JAN M. BERGESON  
LAURIE S. HART  
WILLIAM H. CHRISTENSEN  
GLEN F. STRONG<sup>3</sup>  
JAMES D. GILSON<sup>4</sup>  
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DOUGLAS K. CUMMINGS  
ZACHARY T. SHIELDS  
JEANENE F. PATTERSON<sup>5</sup>  
JAMES E. MERRELL  
DAVID R. YORK  
LEE S. McCULLOUGH, III  
JENNIFER WARD  
CHRISTIAN W. CLINGER<sup>6</sup>

March 6, 2002

<sup>1</sup> ALSO MEMBER MISSOURI BAR  
<sup>2</sup> ALSO MEMBER CALIFORNIA BAR  
<sup>3</sup> ALSO MEMBER ILLINOIS BAR  
<sup>4</sup> ALSO MEMBER COLORADO AND WASHINGTON D.C. BARS  
<sup>5</sup> ALSO MEMBER NEW YORK AND DELAWARE BARS  
<sup>6</sup> ALSO MEMBER NEBRASKA BAR

Scott Carlson  
PSOMAS  
2825 East Cottonwood Parkway, Suite 120  
Salt Lake City, UT 84121

Re: Sunnyside Cogeneration Associates - DOGM Permit

Dear Scott:

Enclosed please find the following Certificates of Existence from the State of Utah for following entities:

1. Sunnyside Cogeneration Associates ("SCA")
2. Sunnyside II, L.P.
3. Sunnyside Holdings I, Inc.

These documents demonstrate that the above-listed entities are in good standing with the State of Utah. Please include these documents with SCA's Annual Report filed with the Utah Division of Oil, Gas & Mining.

Scott Carlson  
March 6, 2002  
Page 2

Thank you for your cooperation in this regard. If you have any questions, please feel free to contact me.

Sincerely,

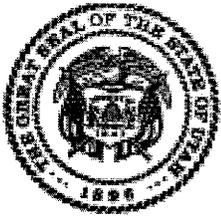
CALLISTER NEBEKER & McCULLOUGH



Brian W. Burnett

BWB:ias  
Enclosures

cc: Jim Willey  
Jeff McCormack  
Rob McLeese  
Greg Lawyer  
Kendall Reed  
Randy Scott  
Rusty Netz



Utah Department of Commerce  
Division of Corporations & Commercial Code  
160 East 300 South, 2nd Floor, 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.state.ut.us>

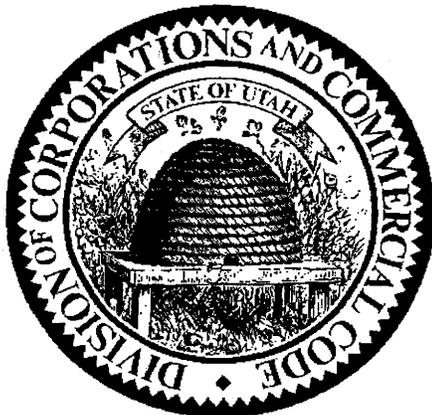
03/06/2002  
4911242-015003062002-193809

---

## CERTIFICATE OF EXISTENCE

**Registration Number:** 4911242-0150  
**Business Name:** SUNNYSIDE COGENERATION ASSOCIATES  
**Registered Date:** 4/24/2001  
**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.



Kathy Berg  
Director  
Division of Corporations and Commercial Code

---

Dept. of Professional Licensing  
(801) 530-6628

Real Estate  
(801) 530-6747

Public Utilities  
(801) 530-6651

Securities  
(801) 530-6600

Consumer Protection  
(801) 530-6601



Utah Department of Commerce  
Division of Corporations & Commercial Code  
160 East 300 South, 2nd Floor, Box 146705  
Salt Lake City, UT 84114-6705  
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Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web site: <http://www.commerce.state.ut.us>

03/06/2002  
2113550-018103062002-193807

---

## CERTIFICATE OF EXISTENCE

**Registration Number:** 2113550-0181  
**Business Name:** SUNNYSIDE II, L.P.  
**Registered Date:** 12/30/1994  
**Entity Type:** Limited Partnership - Foreign  
**Current Status:** Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah.



Kathy Berg  
Director  
Division of Corporations and Commercial Code

---

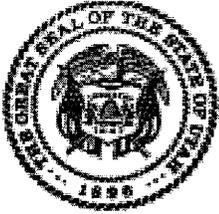
Dept. of Professional Licensing  
(801) 530-6628

Real Estate  
(801) 530-6747

Public Utilities  
(801) 530-6651

Securities  
(801) 530-6600

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(801) 530-6601



Utah Department of Commerce  
Division of Corporations & Commercial Code  
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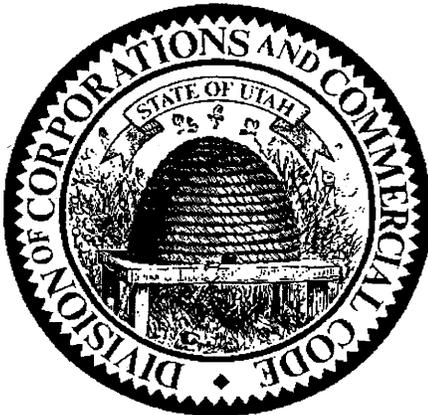
03/06/2002  
1215877-014303062002-193805

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## CERTIFICATE OF EXISTENCE

**Registration Number:** 1215877-0143  
**Business Name:** SUNNYSIDE HOLDINGS I, INC.  
**Registered Date:** 12/30/1994  
**Entity Type:** Corporation - Foreign - Profit  
**Current Status:** Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah.



Kathy Berg  
Director  
Division of Corporations and Commercial Code

---

Dept. of Professional Licensing  
(801) 530-6628

Real Estate  
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Public Utilities  
(801) 530-6651

Securities  
(801) 530-6600

Consumer Protection  
(801) 530-6601



## APPENDIX D MINE MAP



## APPENDIX E SCA RECLAMATION BOND

CALLISTER NEBEKER  
& McCULLOUGH

A PROFESSIONAL CORPORATION  
ATTORNEYS AT LAW  
GATEWAY TOWER EAST SUITE 900  
10 EAST SOUTH TEMPLE  
SALT LAKE CITY, UTAH 84133  
TELEPHONE 801-530-7300  
FAX 801-364-9127

COURTESY COPY

LOUIS H. CALLISTER  
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DAVID R. YORK  
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JENNIFER WARD  
CHRISTIAN W. CLINGER<sup>6</sup>

February 28, 2002

OF COUNSEL  
GERI A. ALLISON  
LUCY KNIGHT ANDRE  
T. RICHARD DAVIS

LOUIS H. CALLISTER, SR.  
(1904-1983)  
FRED L. FINLINSON  
(1906-1995)  
RICHARD H. NEBEKER  
(1924-1998)

TO CALL WRITER DIRECT  
(801) 530-7428  
brianburnett@cnmlaw.com

<sup>1</sup> ALSO MEMBER MISSOURI BAR  
<sup>2</sup> ALSO MEMBER CALIFORNIA BAR  
<sup>3</sup> ALSO MEMBER ILLINOIS BAR  
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<sup>5</sup> ALSO MEMBER NEW YORK AND DELAWARE BARS  
<sup>6</sup> ALSO MEMBER NEBRASKA BAR

VIA FEDERAL EXPRESS

Scott Azzolini  
Frontier Insurance Company in Rehabilitation  
195 Lake Louise Marie Road  
Rock Hill, NY 12775

Re: Sunnyside Cogeneration Associates - Reclamation Bond - Utah

Dear Scott:

As we discussed, this firm represents Sunnyside Cogeneration Associates ("SCA") who has Reclamation Permit No. C/007/035 ("Permit") with the Utah Division of Oil, Gas & Mining ("DOG M"). Frontier Insurance Company, now known as Frontier Insurance Company in Rehabilitation ("Frontier"), provided DOGM with a surety bond to cover potential reclamation liability relating to the Permit. I have enclosed for your reference copies of Permit documents including the Bonded Area and the Rider and Stipulation increasing the bond amount to \$1,900,000 which were executed by Frontier.

SCA provided Frontier with certain funds that were invested on behalf of SCA to provide security to Frontier for the potential reclamation liability associated with the Permit. This arrangement with SCA is identified as Frontier Bond No. 35790.

SCA has replaced the bond for the Permit with a Pledge and Escrow Agreement dated January 10, 2002 between SCA, DOGM and Wells Fargo Bank. SCA placed funds into an escrow account with Wells Fargo Bank sufficient to cover SCA's reclamation obligation for the Permit. The Frontier bond is no longer necessary and SCA needs to have the Frontier bond released by DOGM and the money which was placed in escrow for Frontier returned to SCA.

Scott Azzollini  
February 28, 2002  
Page 2

You requested that I provide you with information where you need to send your request that the Frontier bond be released. Please address your correspondence to:

Pam Grubaugh-Littig  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801  
Telephone: 801-538-5268  
Facsimile: 801-359-3940

Please also provide me a copy of your correspondence so that I can follow-up on this request. After you obtain a release of the bond from DOGM, you agreed to send me the forms necessary to return to SCA the funds that are currently being held in connection with Frontier's bond associated with the Permit.

Thank you for your cooperation in this regard. If you have any questions, please feel free to contact me.

Sincerely,

CALLISTER NEBEKER & MCCULLOUGH



Brian W. Burnett

BWB:ias

Enclosures

cc: Pam Grubaugh-Littig  
Jim Willey  
Karen Dolezal  
Jeff McCormack  
Rob McLeese  
Greg Lawyer  
Kendall Reed  
Randy Scott  
Rusty Netz

**EXHIBIT "A"**

**BONDED AREA**

In accordance with the RECLAMATION AGREEMENT, the PERMITTEE intends to conduct coal mining and reclamation activities on or within the PERMIT AREA as shown on Plate 1-1.

In accordance with R645-301-820.111, the PERFORMANCE BOND, will cover the entire permit area, or an identified increment of land within the permit area. This increment has been identified as the BONDED AREA, and includes the "affected area". In accordance with R645-301-521.163, the area of land for which a PERFORMANCE BOND will be posted is shown on Plate 1-1.

Total acres within the approved PERMIT AREA 304.85.

Total acres of BONDED AREA 304.85.

Legal Description for the BONDED AREA is:

See attached legal description

This BONDED AREA is covered by the reclamation surety provided in Exhibit B.

IN WITNESS WHEREOF the Surety has hereunto set its signature and seal this 7th day of September, 1994.

Frontier Insurance Company  
SURETY

By:   
Robert E. Shaw, Jr.

Title: Attorney-In-Fact

The permit is located in Carbon County, Utah as follows:

Beginning at a point which is North 2810.58 feet and East 11.15 feet from the Southeast Corner of Section 6, Township 15 South, Range 14 East of the Salt Lake Base and Meridian and running thence South 00°13'04" West, 174.18 feet along the east line of Section 6, to the East 1/4 Sec 6; thence South 00°13'39" West, 514.28 feet; thence running South 43°56'13" East, 237.61 Feet; thence running South 37°48'02" West, 271.53 feet to a metal fence post; thence South 00°13'39" West, 918.48 feet along the east section line of Section 6; thence South 00°13'37" West 817.99 feet to the Southeast Corner of Section 6 which is a brass cap; thence South 00°15'54" West, 1322.37 feet along the east line of said Section 7 to the southeast corner of the NE1/4 NE1/4 of said Section 7; thence South 89°52'59" West, 2656.89 feet along the south line of the N1/2 NE1/4 of the said Section 7 to the NW1/4 NE1/4 of said Section 7; thence South 00°41'30" West, 664.69 feet along the east line of the SE1/4 NW1/4 of said Section 7 to the southeast corner of the NE1/4 SE1/4 NW1/4 of said Section 7; thence South 89°40'06" West, 2560.98 feet along the south line of the N1/2 S1/2 NW1/4 of said Section 7 to the southwest corner of the NW1/4 SW1/4 NW1/4 of said Section 7; thence North 00°17'17" East, 1984.79 feet along the west section line to the Northwest Corner of Section 7 which is a brass cap; thence North 89°27'59" East, 1253.28 feet along the north line of said Section 7 to the northeast corner of the NW1/4 NW1/4 of said Section 7; thence North 59°40'32" East, 666.58 feet to a metal fence post; thence North 44°13'50" East, 430.53 feet to a roof bolt ; thence North 59°09'24" East 167.86 feet to a metal fence post; thence North 63°51'14" East, 188.19 feet, to a metal fence post; thence North 60°15'06" East, 335.61 feet to a metal fence post; thence North 21°00'31" West, 34.15 feet to a brass post in a barbed wire fence; thence North 14°02'19" East, 166.70 feet; thence North 86°06'57" East 78.29 feet; thence North 39°40'10" East, 186.10 feet; thence North 85°06'24" East, 289.77 feet; thence running easterly along a curve to the right with a radius of 112.84 feet, through an angle of 189°39'41" for a distance of 373.53 feet having a chord that bears South 54°40'23" East, 224.88 feet; thence South 39°50'38" West, 144.16 feet; thence North 81°18'59" East, 646.66 feet along an existing fence line to a roof bolt; thence North 36°41'30" East, 152.85 feet along a fence line to a roof bolt; thence North 10°54'49" West, 189.49 feet to a metal fence post; thence North 00°39'10" West, 254.39 feet to a metal fence post; thence North 10°09'48" West, 315.48 feet to a metal fence post; thence North 06°32'57" West, 232.70 feet to a roof bolt in an existing fence line; thence North 06°32'59" West, 65.24 feet to the south right of way line of a Denver and Rio Grande Railroad as described in a certain deed dated July 29, 1912; thence North 71°27'00" East, 1209.07 feet along the south line of a 50 foot wide right of way for the Denver and Rio Grande Railroad; thence northeasterly along a curve to the left with a radius of 980.07 feet, through an angle of 9°19'41", for a distance of 159.56 feet, having a chord that bears North 66°45'34" East, 159.38 feet to the east line of Section 6, to the point of beginning.

Containing 323.95 Acres more or less.

Less 12.9 Acres for Carbon County Railway Right of Way (located in the Western half of the permit area).  
Less 6.2 Acres for Railroad Right of Way (located in the Northeast corner of the permit area).

For a total area of 304.85 Acres more or less.

# FRONTIER INSURANCE COMPANY

ROCK HILL, NEW YORK

## Rider

To be attached to and form a part of Bond No. 35790 Dated the THIRTIETH day of MARCH, 1994, issued by Frontier Insurance Company, as Surety, on behalf of SUNNYSIDE COGENERATION ASSOCIATES, 20 SOUTH VAN BUREN AVENUE, BARBERTON, OHIO 44203-0351, as Principal, in the penal sum of ONE MILLION, FIVE HUNDRED THOUSAND AND 00/00 Dollars (\$1,500,000.00) and in favor of STATE OF UTAH, DIVISION OF OIL, GAS & MINING, 355 W. NORTH TEMPLE, 3 TRIAD CENTER, SALT LAKE CITY, UTAH 84180-1203, as Obligee.

In consideration of the premium charged for the attached bond, it is hereby agreed that the attached bond be amended as follows:

1. The Bond Amount is hereby increased from ONE MILLION, FIVE HUNDRED THOUSAND AND 00/00 (\$1,500,000.00) to ONE MILLION, NINE HUNDRED THOUSAND AND 00/100 (\$1,900,000.00).

Provided, However, that the attached bond shall be subject to all its agreements, limitations and conditions except as herein expressly modified, and further that the liability of the Surety under the attached bond and the attached bond as amended by this rider shall not be cumulative.

This rider shall become effective as of the FOURTH day of DECEMBER, 1996.

Signed, sealed and dated this FOURTH day of DECEMBER, 1996.

Witness

by

Witness

by

SUNNYSIDE COGENERATION ASSOCIATES

by

FRONTIER INSURANCE COMPANY

by

ROBERT E. SHAW, JR., Attorney-In-Fact

Exhibit "D" - STIPULATION TO REVISE RECLAMATION AGREEMENT

Permit Number: ACT/007/035  
Effective Date: \_\_\_\_\_

**COAL**  
**STIPULATION TO REVISE RECLAMATION AGREEMENT**

--ooOoo--

This **STIPULATION TO REVISE RECLAMATION AGREEMENT** entered into by and between the **PERMITTEE** and **DIVISION** incorporates the following revisions or changes to the **RECLAMATION AGREEMENT**: (Identify and Describe Revisions Below)

The Reclamation Bond amount has been increased from \$1,500,000.00 to \$1,900,000.00

In accordance with this **STIPULATION TO REVISE RECLAMATION AGREEMENT**, the following Exhibits have been replaced by the **PERMITTEE** and are approved by the **DIVISION**:

\_\_\_\_\_ Replace the **RECLAMATION AGREEMENT** in its entirety.

\_\_\_\_\_ Replace Exhibit "A" - **SURFACE DISTURBANCE**.

\_\_\_\_\_ Replace Exhibit "B" - **BONDING AGREEMENT**.

\_\_\_\_\_ Replace Exhibit "C" - **LIABILITY INSURANCE**.

The **BONDING** amount is revised from (\$ 1,500,000.00 ) to (\$ 1,900,000.00).

The **SURFACE DISTURBANCE** is revised from \_\_\_\_\_ acres to \_\_\_\_\_ acres.

The **EXPIRATION DATE** is revised from \_\_\_\_\_ to \_\_\_\_\_.

The **LIABILITY INSURANCE** carrier is changed from \_\_\_\_\_  
to \_\_\_\_\_.

The **AMOUNT** of **INSURANCE** coverage for bodily injury and property damage is changed from (\$ \_\_\_\_\_ ) to (\$ \_\_\_\_\_ ).

Exhibit "D" - STIPULATION TO REVISE RECLAMATION AGREEMENT

IN WITNESS WHEREOF the PERMITTEE has hereunto set its signature and seal  
this 19<sup>th</sup> day of December, 19 96.

SUNNYSIDE COGENERATION ASSOCIATES

**PERMITTEE**

By: Wally R. [Signature]

Title: Authorized Member

ACCEPTED BY THE STATE OF UTAH:

[Signature]  
Director, Division of Oil, Gas and Mining

**NOTE:** An Affidavit of Qualification must be completed and attached to this form for each authorized agent or officer. Where one signs by virtue of Power of Attorney for a company, such Power of Attorney must be filed with this Agreement. If the PERMITTEE is a corporation, the Agreement shall be executed by its duly authorized officer.

AFFIDAVIT OF QUALIFICATION  
PERMITTEE  
--ooOOoo--

I, Walter R. Strotz, being first duly sworn under oath, deposes and says that he/she is the <sup>an</sup> ~~(officer or agent)~~ Authorized Member of SUNNYSIDE COGENERATION ASSOCIATES; and that he/she is duly authorized to execute and deliver the foregoing obligations; and that said PERMITTEE is authorized to execute the same and has complied in all respects with the laws of Utah in reference to commitments, undertakings and obligations herein.

(Signed) Walter R. Strotz - Authorized Member  
Name - Position

Subscribed and sworn to before me this 19<sup>th</sup> day of December, 19 96.

Thomas L. Harden  
Notary Public

THOMAS L. HARDEN, Attorney-At-Law  
Notary Public - State of Ohio  
My commission has no expiration date  
Sec. 147.02 R. C.

My Commission Expires:

\_\_\_\_\_, 19 \_\_\_\_.

Attest:

STATE OF Ohio )  
COUNTY OF Summit ) ss:

AFFIDAVIT OF QUALIFICATION  
SURETY COMPANY

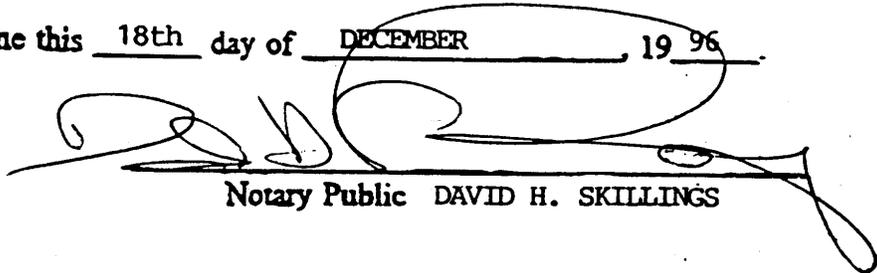
-ooOOoo-

I, DAVID H. SKILLINGS, being first duly sworn under oath, deposes and says that he/she is the (officer or agent) ATTORNEY-IN-FACT of FRONTIER INSURANCE COMPANY; and that he/she is duly authorized to execute and deliver the foregoing obligations; and that said SURETY COMPANY is authorized to execute the same and has complied in all respects with the laws of Utah in reference to becoming sole surety upon bonds, undertakings and obligations herein.

(Signed)

  
Surety Company Officer - Position  
ROBERT E. SHAW, JR.

Subscribed and sworn to before me this 18th day of DECEMBER, 19 96.

  
Notary Public DAVID H. SKILLINGS

My Commission Expires:

JUNE 28, 19 2000.

Attest:

STATE OF MAINE )  
COUNTY OF CUMBERLAND ) ss:

**POWER OF ATTORNEY**

**Know All Men By These Presents:** That FRONTIER INSURANCE COMPANY, a New York Corporation, having its principal office in Rock Hill, New York, pursuant to the following resolution, adopted by the Board of Directors of the Corporation on the 4th day of November, 1985:

"RESOLVED, that the Chairman of the Board, the President, or any Vice President be, and hereby is, authorized to appoint Attorneys-in-Fact to represent and act for and on behalf of the Company to execute bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, and to attach thereto the corporate seal of the Company, in the transaction of its surety business;

"RESOLVED, that the signatures and attestations of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company when so affixed with respect to any bond, undertaking, recognizance or other contract of indemnity or writing obligatory in the nature thereof;

"RESOLVED, that any such Attorney-in-Fact delivering a secretarial certification that the foregoing resolutions still be in effect may insert in such certification the date thereof, said date to be not later than the date of delivery thereof by such Attorney-in-Fact."

This Power of Attorney is signed and sealed in facsimile under and by the authority of the above Resolution.

DOES HEREBY MAKE, CONSTITUTE AND APPOINT:

**DAVID H. SKILLINGS ROBERT E. SHAW, JR A.G. ABBOTT**

of **South Freeport** in the State of **Maine**  
its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred in its name, place and stead to sign, execute, acknowledge and deliver in its behalf, and as its act and deed, without power of redelegation, as follows:

Bonds guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed; IN AN AMOUNT NOT TO EXCEED THREE MILLION FIVE HUNDRED THOUSAND (\$3,500,000.00) DOLLARS; and to bind FRONTIER INSURANCE COMPANY thereby as fully and to the same extent as if such bond or undertaking was signed by the duly authorized officers of FRONTIER INSURANCE COMPANY, and all the acts of said Attorney(s)-in-Fact pursuant to the authority herein given are hereby ratified and confirmed.

**In Witness Whereof**, FRONTIER INSURANCE COMPANY of Rock Hill, New York, has caused this Power of Attorney to be signed by its President and its Corporate seal to be affixed this **2nd** day of **June**, 19 **94**.

FRONTIER INSURANCE COMPANY



BY: *Walter A. Rhulen*  
WALTER A. RHULEN, President

State of New York  
County of Sullivan ss.:

On this **2nd** day of **June**, 19 **94**, before the subscriber, a Notary Public of the State of New York in and for the County of Sullivan, duly commissioned and qualified, came **WALTER A. RHULEN** of FRONTIER INSURANCE COMPANY to me personally known to be the individual and officer described herein, and who executed the preceding instrument, and acknowledged the execution of the same, and being by me duly sworn, deposed and said, that he is the officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of the Company, and the Corporate Seal and signature as an officer were duly affixed and subscribed to the said instrument by the authority and direction of the Corporation, and that the resolution of the Company, referred to in the preceding instrument, is now in force.

**In Testimony Whereof**, I have hereunto set my hand, and affixed my official seal at Rock Hill, New York, the day and year above written.



*Christine I. Lane*  
CHRISTINE I. LANE  
Notary Public State of New York  
Sullivan County Clerk's No. 1996  
Commission Expires May 2, 1998

**CERTIFICATION**

I, **JOSEPH P. LOUGHLIN**, Secretary of FRONTIER INSURANCE COMPANY of Rock Hill, New York, do hereby certify that the foregoing Resolution adopted by the Board of Directors of this Corporation and the Powers of Attorney issued pursuant thereto, are true and correct, and that both the Resolution and the Powers of Attorney are in full force and effect.

**In Witness Whereof**, I have hereunto set my hand and affixed the facsimile seal of the corporation this **18th** day of **DECEMBER**, 19 **96**.



*Joseph P. Loughlin*  
JOSEPH P. LOUGHLIN, Secretary



## APPENDIX F MSHA

U. S. Department of Labor

Mine Safety and Health Administration  
P O Box 25367  
Denver, Colorado 80225



SEP 10 2001

Coal Mine Safety and Health  
District 9

SEP 13 2001

Randy J. Scott  
Plant Manager  
Sunnyside Cogeneration Associates  
One Power Plant Road  
Sunnyside, UT 84539

CC: Randy Scott  
Randy Atty

RE: Sunnyside Waste Coal Site  
Mine ID No. 42-02093  
West Slurry Impoundment  
ID No. 1211-UT-09-02093-03  
Impoundment Abandonment

Dear Mr. Scott:

MSHA personnel have reviewed and concur with the certification that the referenced site was abandoned in a manner to preclude the probability of future impoundment of water, sediment, or slurry. The above referenced impoundment is **approved for abandonment** and will be removed from the mine files.

The referenced impoundment identification number will be removed from the mine file. MSHA inspection and reporting requirements no longer apply to the referenced structure.

If you have any questions regarding this approval, please contact Billy Owens at 303-231-5463 extension 145 or 303-231-5458.

Sincerely,

*John A. Kuzar*  
John A. Kuzar  
District Manager



Coal Mine Safety and Health  
District 9

SEP 12 2001

Randy J. Scott  
Plant Manager  
Sunnyside Cogeneration Associates  
One Power Plant Road  
Sunnyside, UT 84539

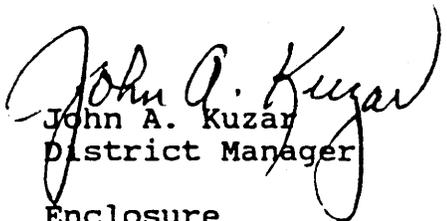
RE: Sunnyside Waste Coal Site  
Mine ID No. 42-02093  
East Slurry Cell  
ID #1211-UT-09-02093-02  
Impoundment Inspection Interval

Dear Mr. Scott:

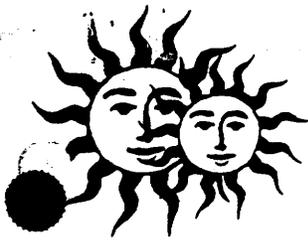
Your request, in a letter dated August 29, 2001, concerning authorization to change the referenced impounding structure's mandatory inspection interval is **approved** in accordance with 30 CFR 77.216-3(a)(1). This approval is site-specific to the above referenced impoundment structure for the subject mine and will terminate when the site is abandoned or when you are notified of termination by the District Manager.

If you have any questions regarding this approval letter, please contact Billy Owens or Alice Perry of this office at 303-231-5463 extensions 145 and 139, respectively, or 303-231-5458.

Sincerely,

  
John A. Kuzar  
District Manager

Enclosure

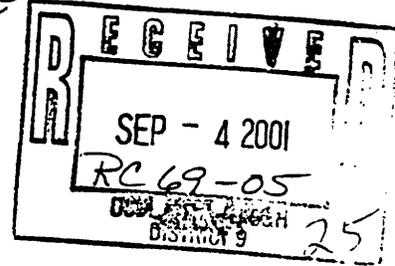


# Sunnyside Cogeneration Associates

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

7/16/01

August 29, 2001



Mine Safety & Health Administration  
District Manager  
John A. Kuzar  
P.O.Box 25367 D.F.C.  
Denver, Co. 80225  
Phone (303)231-5458

Re: Sunnyside Coal Waste Site, 42-02093  
East Slurry Impoundment, 1211-UT-09-02093-02  
Coal Refuse Pile, 1211-UT-09-02093-01

Dear Mr. Kuzar

Sunnyside Cogeneration Associates(SCA) is requesting your approval to change our inspection frequency on the above referenced impoundment's and coal refuse pile. At the present we are inspecting the structures once every seven days(weekly), and are requesting that the inspection be made every 30 days(monthly).

The East Slurry Pond has not been used for its designed purpose, to contain slurry discharge, since 1995. At present, only storm water events report to the pond, with plenty of free board space.

The Coal Refuse Pile is currently being mined and has been since 1993. In 1995, the Sunnyside Coal Company stopped placing refuse material on the pile.

The following are steps and precautions that SCA would take upon this request being approved.

1. If a seismic activity occurs in the vicinity of the impoundment/refuse pile, an on-site inspection shall commence immediately.
2. If someone reports an unusual condition that may affect the safety/stability of the impoundment/refuse pile, an on-site inspection shall commence immediately.
3. If a significant runoff/precipitation event occurs, an on-site inspection will follow.

**APPROVED**

SEP 12 2001

MS&H

District Manager  
John A. Kuzar  
August 28, 2001  
Page Two

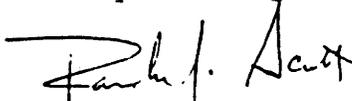
4. The impoundment/refuse pile will be inspected at an interval not to exceed 30 days.
5. A daily monitoring record of the measurable rainfall shall be kept. All records about the impoundment/refuse pile shall be made available to MSHA personnel upon request.

The inspection frequency requirements will not preclude additional safety measures that an on site MSHA representative may require.

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

Sincerely,

Agent For  
Sunnyside Cogeneration Associates



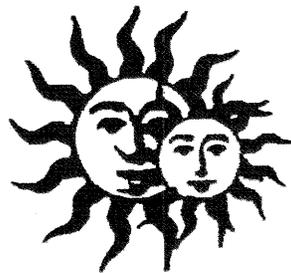
Randy J. Scott  
Plant Manager

c.c. Ted E. Farmer/Supervisory CMS&H Inspector-Price  
Gene Ray/Supervisory CMS&H Inspector-Price  
Plant File

**APPROVED**

JUL 12 2001

CMS&H



# 2001 Annual Report

Prepared By:

PSOMAS  
2825 East Cottonwood Parkway  
Suite 120  
Salt Lake City, UT 84121  
(801) 270-5777