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In C/0070035, 2001, Summary

For additional information

# 2000 Annual Report

Sunnyside Cogeneration Associates  
Sunnyside Refuse/Slurry

C/007/035

March 2001





# 2000 Annual Report

Prepared By:

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



## Sunnyside Cogeneration Associates

**COPY**

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

March 26, 2001

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

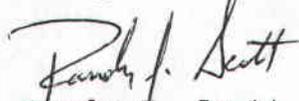
Dear Ms. Littig:

Please find enclosed three 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**

MAR 30 2001

DIVISION OF  
OIL, GAS AND MINING



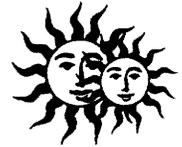
**SUNNYSIDE COGENERATION ASSOCIATES**  
**SUNNYSIDE REFUSE/SLURRY**  
**C/007/035**  
**2000 ANNUAL REPORT**

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  
2000 ANNUAL REPORT**

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## I. GENERAL PERMIT INFORMATION

**Permit Number:** C/007/035 (formerly ACT/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



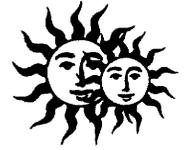
## II. IDENTIFICATION OF OTHER PERMITS

<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
	Excess Spoil Disposal Area #1	1211-UT-09-02093-04
	Excess Spoil Disposal Area #2	1211-UT-09-02093-05

**UPDES Permit Number:** UT0024759      Renewed effective August 1, 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.



### 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.

Construction of the Excess Spoil Disposal Area #1 occurred in general conformance with the design requirements listed in the permit. The Excess Spoil Disposal Area #1 did not see any construction activity during the 2<sup>nd</sup>, 3<sup>rd</sup>, or 4<sup>th</sup> quarters of 2000.

Construction of the Excess Spoil Disposal Area #2 commenced in 1999 and received the majority of the spoils materials generated during 2000. 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 2000 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 which 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

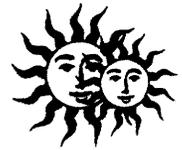
During 2000, no new areas received final reclamation treatment.

SCA performed qualitative sampling of the Old Coarse Refuse Road that was reclaimed in 1994. The report prepared to document this revegetation monitoring is also included in **Appendix B-2**. This report notes the following concerning the revegetation success:

- Slight to moderate erosion on cut slopes, but negligible on fill slopes and road.
- 40% to 50% living cover
- Less Cheatgrass this year
- Site was dominated by mature saltbush plants
- Vegetation was in excellent 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
- Railcut Pond Topsoil Pile
- Reclamation Borrow Area
- Borrow Area Topsoil Stock Pile
- Access Road Topsoil Stock Pile
- ClearWater Pond Topsoil Stock Pile
- Coarse Refuse Toe Pond Topsoil Pile
- 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.

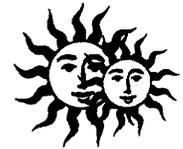
#### **4. Raptor Surveys**

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 2000, SCA excavated a combined total of 482,671 tons of coarse refuse and fines from the refuse pile and slurry cells. A total of 148,453 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 monthly mined quantities, delivery of refuse materials and quantity of spoils materials disposed is included in **Appendix B-4**.

### b. Excess Spoils Disposal Area #1

Construction of the Excess Spoil Disposal Area continued during the first quarter of 2000. Approximately 250 cubic yards of spoil material, boulders, and reject material (refuse with a low fuel, high ash content) was added to the pile during the quarter. No additional spoils material was placed during the remainder of the year. A summary of the quarterly quantities placed in the Excess Spoil Disposal Areas is included in **Appendix B-4**.

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 construction of 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 2000. Spoil materials placed in the disposal area consist mostly of coarse refuse rejects, but also include some general spoils materials. It is being placed in general conformance



with the approved plan. Approximately 25,500-26,000 yards of material was placed during 2000. A summary of the quarterly 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.

One sample was taken of the spoils material placed in the Excess Spoil Disposal Area #2. Analytical results from this sample 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.

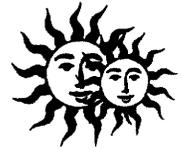


## V. LEGAL, FINANCIAL, COMPLIANCE & RELATED INFORMATION

The Utah Department of Commerce has made some changes in the process of filing annual reports. They now require only coupons to be filed with the annual fee unless the corporate information has changed. Since corporate officers have not changed, I have included, in **Appendix C**, the Certificates of Existence for Sunnyside Holdings I. Inc. and Sunnyside II, L.P. from the Utah Department of Commerce, Division of Corporations and Commercial Code.

**Appendix C** also includes copies of the most recent Annual Report of Officers from each entity to identify the officers and addresses as traditionally have been provided.

An organization chart showing the corporate structure of Sunnyside has also been included in **Appendix C**.



## 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 February 1999. 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.

SCA is planning to conduct new aerial photography and update the mining map based on the new photography. Snow cover and winter conditions prevented the photography from being taken early enough in the year to allow for processing and generation of the new map prior to the deadline for submitting this annual report. When the updated map is completed, SCA will submit it to the Division for inclusion with this report.



## **APPENDIX A CERTIFIED REPORTS**

**FIRST QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date	04/13/00
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	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2000		
<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 dry.

No structure or stability problems observed.

Reclamation of the Sunnyside Coal Property is currently underway. Among the facilities being 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 directly to either 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: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Clear Water Pond

**CERTIFIED REPORT**

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan?

yes

2. Is impoundment free of instability, structural weakness, or any other hazardous condition?

yes

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

yes

**COMMENTS AND OTHER INFORMATION**

None

**Certification Statement:**

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



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

Signature: *S. Scott Carlson* Date: 04/13/00

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date	04/13/00
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>			
Inspection Date	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2000		
<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 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: 04/13/00

**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?

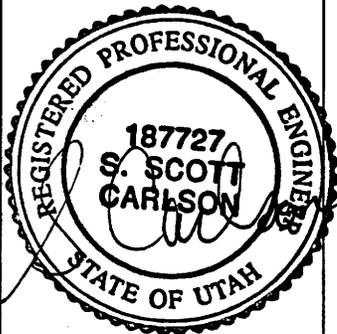
yes

**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 Manager

Signature: *S. Scott Carlson*

Date: 04/13/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
Permit Number	ACT/007/035	Report Date	04/13/00
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	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<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 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: 04/13/00

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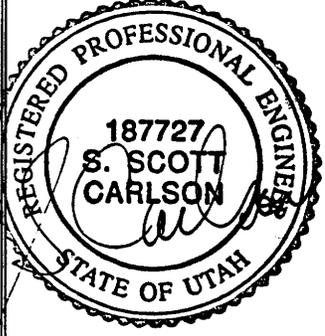
**CERTIFIED REPORT**

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 Manager

Signature: *S. Scott Carlson* Date: 04/13/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date 04/13/00	
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	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<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 out slopes of embankments, etc.

Pond was 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: 04/13/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Pond

**CERTIFIED REPORT**

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES NO

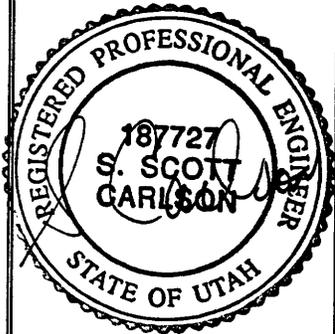
1. Is impoundment designed and constructed in accordance with the approved plan? yes
2. Is impoundment free of instability, structural weakness, or any other hazardous condition? yes
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?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

COMMENTS AND OTHER INFORMATION

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 Manager

Signature: *S. Scott Carlson*

Date: 04/13/00

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> 04/13/00	
<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>	03/21/00		
<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 2000	
<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 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: 04/13/00

**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?

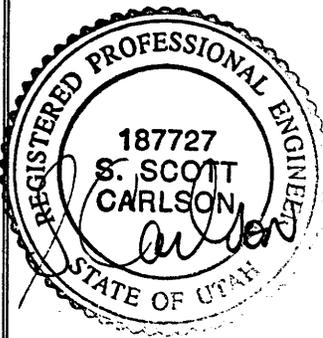
yes

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 Manager

Signature: *S. Scott Carlson*

Date: 04/13/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		COAL RUNOFF POND	
Permit Number	ACT/007/035	Report Date	04/13/00
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	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2000		
<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 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: \_\_\_\_\_

*S. Scott Carlson*

Date: 04/13/00

**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?

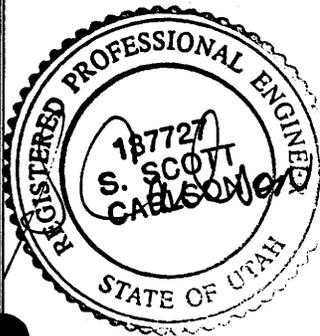
yes

**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 Manager  
(Full Name and Title)

Signature: *S. Scott Carlson*

Date: 04/13/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date	04/13/00
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	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000	
<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 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: 04/13/00

**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?

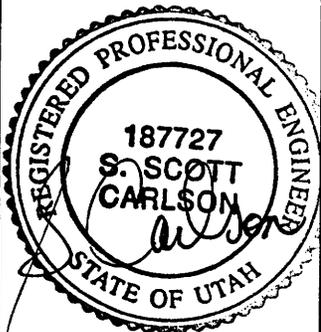
yes

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 Manager

Signature: S. Scott Carlson

Date: 04/13/00

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 04/13/00
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	03/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 2000
		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.

During the fourth quarter 1999, excavation of refuse material had damaged a small portion of the westerly access road around the refuse pile. This quarter's inspection showed that the operator had repaired the road and adjacent ditch and berm.

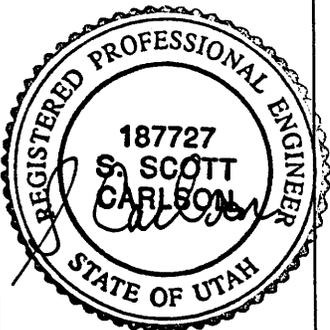
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

Signature: *S. Scott Carlson*

Date: 04/13/00

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> 04/13/00	
<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>	03/21/00		
<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 2000	
<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 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 the Sunnyside Coal Property is currently underway. Among the facilities being 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 directly to either 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: 04/13/00

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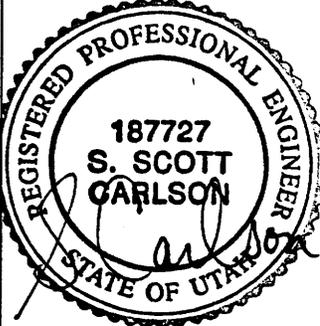
**CERTIFIED REPORT**

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 Manager  
(Full Name and Title)

Signature: *S. Scott Carlson* Date: 04/13/00

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> 04/13/00	
<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>	03/21/00		
<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 2000	
<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>		



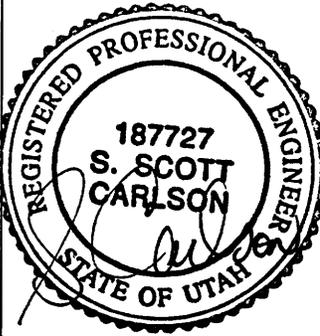
**CERTIFIED REPORT**

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 Manager  
(Full Name and Title)

Signature: *S. Scott Carlson* Date: 04/13/00

P.E. Number & State: 187727 UT



West Cell/Refuse Pile

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1
Permit Number	ACT/007/035	Report Date 04/13/00
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	03/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 2000	
	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.  Received approximately 250 yrds of spoils materials during this Quarter.	

5. Final grading and revegetation of fill.

N/A

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

None

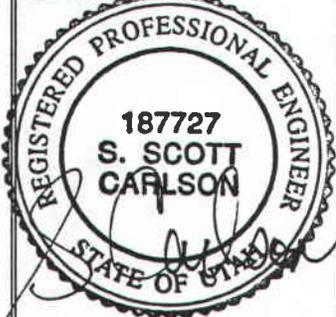
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

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

No evidence exists of fires in the pile.

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 Manager  
(Full Name and Title)

Signature: S. Scott Carlson Date: 04/13/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 1

**SUNNYSIDE COGENERATION ASSOCIATES - SPOILS AREA SAMPLES - DECEMBER 1999**

Sample Site	Spoil #1 E	Spoil #1 C	Spoils #1 W	Spoils #2 C North	Spoils #2 C South
Lab No.	72-00758-1	72-00759-1	72-00760-1	72-00761-1	72-00762-1
Depths					
pH	7.36	6.91	7.24	6.97	7.0
EC (mmhos/cm @ 25 °C)	2.5	12.2	4.74	2.52	2.78
Saturation (%)	28.2	36.6	33.7	28.2	31.9
Calcium (meq/L)	12.0	21.2	24.2	11.2	16.3
Magnesium (meq/L)	12.4	27.3	40.6	13.4	14.5
Sodium (meq/L)	5.26	10.8	9.43	7.43	7.83
SAR	1.5	0.59	1.65	2.11	1.99
Sand (%)	82	82	80	78	80
Silt (%)	8	6	8	12	8
Clay (%)	10	12	12	10	12
Texture Class	Loamy Sand	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
Total Sulfur (%)	1.12	1.74	1.19	1.13	0.57
T.S. AP (t/1000t)	35.0	54.3	17.1	35.3	17.8
Neut. Pot. (t/1000t)	38.3	37.4	66.4	86.4	75.8
T.S. ABP (t/1000t)	53.30	-16.9	29.2	51.0	57.9
Nitrate- Nitrogen (ppm)	4.25	86.2	37.6	1.53	1.28
Boron (ppm)	1.66	10.2*	2.16	1.18	1.44
Selenium (ppm)	0.04	0.21	0.04	0.02	0.05
Total Organic Matter (%)					
Carbonates	8.83	3.7	6.64	8.64	7.58

**Excess Spoil Area Samples  
Overburden Evaluation for Vegetative Root Zone**

Parameters	Sample Site					
	Spoils #1 E	Spoils #1 C	Spoils #1 W	Spoils #2 C North	Spoils #2 C South	
pH	Good	Good	Good	Good	Good	Good
Ec mmhos/cm @ 25 °C	Good	Poor	Good	Fair	Fair	Fair
Saturation %	Good	Good	Good	Good	Good	Good
Texture	Fair	Good	Good	Good	Good	Good
SAR	Good	Good	Fair	Good	Good	Good
Selenium	Good	Unacceptable	Good	Good	Good	Good
Boron	Good	Unacceptable	Good	Good	Good	Good
Acid / Base Potential	Good	Unacceptable	Good	Good	Good	Good

Parameters	Good	Fair	Poor	Unacceptable
pH	6.1 to 8.2	5.1 to 6.1 8.2 to 8.4	4.5 to 5.0 8.5 to 9.0	< 4.5 > 9.0
Ec mmhos/cm @ 25 °C	0 to 2	2 to 8	8 to 15	> 15
Saturation %	25% to 85%		< 25% > 80%	
Texture	sl, l, sil, scl, vsl, fsl	c, sicl, sc, ls, lfs	sic, s, sc, c, cos, fs, vfs	g, vcoss
SAR	0 to 4	5 to 10	10 to 12 fine texture 10 to 15 coarse texture	12 fine texture 15 coarse texture
Selenium	< 0.1 mg/Kg			> 0.1 mg/Kg
Boron	< 5.0 mg/Kg			> 5.0 mg/Kg
Acid / Base Potential	> -5 tons CaCO <sub>3</sub> / 1,000 tons material			< -5 tons CaCO <sub>3</sub> / 1,000 tons material



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March 8, 2000

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

Sample identification by  
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS #1 E

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 72-00758-1

PARAMETER	METHOD	RESULTS	UNITS
Solids	CLPSOW390, PART-F,D-98	99.70	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	5.73	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	0.96	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.25	%
Total Organic Carbon	EPA 3.2.14	98.8	%

Post-it® Fax Note	7871	Date	3-8	# of pages	25
To	Kusy Note	From	Source		
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Phone #		Phone #			
Fax #		Fax #			

Respectfully submitted,  
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*E. Squire Jones*  
Denver Laboratory



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## SUNNYSIDE COGNITION SOIL

March 8, 2000

Location : SPOILS #1 RASTORTHING :  
Surface Elevation : Fasting :

Lab No.	Depth	Total Organic Matter %	Coarse Fragments	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00758-1		8.83	98.8	0.04	0.07	

Method Ref.: Wyoming D.S.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin WP-82, March 1994.

Respectfully submitted,  
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*Eugene Jones*  
Denver Laboratory





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March 8, 2000

## SUNNYSIDE COGENERATION SOIL

Location : SOILS #1 RASPORTHING :  
Surface Elevation :                      Ranking :

Lab No.	Depth	Total		T.S.	Neut.	Pot.	AP	t/1000t	Sulfur	t/1000t	I.S.	Sulfur	AP	t/1000t	Pyr+Org	Pyr+Org	Pyr+Org	Notes	
		Organic	Carbon																
72-00758-1		1.12	35.0	98.3	53.3														

Method Ref.: Wyoming D.E.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Soil Material, University Of Wyoming, College Of Agriculture, Bulletin WF-87, March 1994.

Respectfully submitted,  
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*E. Reginal Jones*  
Denver Laboratory



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## SUNNYSIDE COGENERATION SOIL

Location : SEDOLS #1 Eastburning :  
Surface Elevation : Fasting :

Lab No.	Depth	Arsenic		Nitrogen		Molybdenum		Selenium		Notes
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
72-00758-1		4.25	1.66	0.01	0.07					

Method Ref.: Wyoming D.E.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin NP-82, March 1994.

Respectfully submitted,  
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*Ersequiel Jones*  
Denver Laboratory





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FAX: (303) 373 4791

March 8, 2000

## SUNNYVALE-COBBLEHILL

### SOIL

Location : SPOILS #1 EASTWORTHING :  
Surface Elevation : Fasting :

Lab No.	Depth	pH	EC µmhos/cm @ 25°C	Saturation	Calcium mg/l	Magnesium mg/l	Sodium mg/l	Particle Size			Texture Class	Notes	
								Sand %	Silt %	Clay %			
72-00758-1		7.16	2.50	80.0	12.0	12.4	5.26	1.50	82	8	10	LOAMY SAND	

Method Ref.: Wyoming D.E.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/B-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin WF-82, March 1994.

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Denver Laboratory



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March 8, 2000

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

Sample identification by  
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS #1 C

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 72-00759-1

PARAMETER	METHOD	RESULTS	UNITS
Solids	CLPSOW390, PART-F, D-98	97.96	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	8.75	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	0.07	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.18	%
Total Organic Carbon	EPA 3.2.14	93.3	%

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*E. Reginal Jones*  
Denver Laboratory





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**SUNNYSIDE COGENERATION  
 SOIL**

Location : SEOLKS #1 CENTER Northring :  
 Surface Elevation : Basring :

Lab No.	Depth	pH	EC mhos/cm @ 25°C	Saturation %	Calcium mg/l	Magnesium mg/l	Sodium mg/l	Particle Size			Texture Class	Notes	
								Sand %	Silt %	Clay %			
72-00759-1	12.2'	6.91	12.2*	16.6	21.2	273.	10.8	0.55	82	F	L2	SANDY LOAM	

Method Ref.: Wyoming D.E.Q., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Spoil Material, University of Wyoming, College of Agriculture, Bulletin AG-82, March 1994.



Respectfully submitted,  
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*E. S. J. Jr.*  
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March 8, 2000

## SUNNYSIDE COGENERATION SOIL

Location : SPOILS #1 CENTER      Northing :  
Surface Elevation :                      Easting :

Lab No.	Depth	Total Organic Matter %	Carbonates	Course Fragments	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00759-1		3.7%		91.3	0.21	0.11	

Method Ref.: Wyoming D.S.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Soles Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Soil Material, University Of Wyoming, College Of Agriculture, Bulletin WP-82, March 1994.

Respectfully submitted,  
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*E. Reginal Jones*  
Denver Laboratory



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March 8, 2000

## SUNNYSIDE COGENERATION SOIL

Location : SPOILS #1 CENTER No. 1, Topsoil And Overburden Rules Update/8-94  
Surface Elevation : 1811.00

Lab No.	Depth	Total Organic Carbon %		Total Sulfur %		Total T.S. AP		T.S. AP		Pyro-Organic Sulfur %		Pyro-Organic AP		Notes
		AP	t/1000t	AP	t/1000t	AP	t/1000t	AP	t/1000t	AP	t/1000t	AP	t/1000t	
72-00759-1		1.74	54.3	37.4	-16.9	0.60	18.7	18.6						

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Spoil Material, University of Wyoming, College of Agriculture, Bulletin WF-82, March 1994.



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March 5, 2000

**SUNNYSIDE COGENERATION  
 SOIL**

Location : SPOILS #1 CENTER      Northing :  
 Surface Elevation :                      Easting :

Lab No.	Depth	Arsenic PPM	Nitrate- Nitrogen PPM	Boron PPM	Molybdenum PPM	Selenium PPM	AB-DTPA Selenium PPM	Notes
72-00759-1		86.2*	10.2*	0.21	0.31			

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94  
 Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Soil Material Disposition - OF Agriculture

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*E. Reynold Jorco*



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March 8, 2000

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

Sample identification by  
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOILS #1 W

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 73-00760-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLPSOW390, PART-F, D-98	99.08	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	8.58	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	1.17	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.22	%
Total Organic Carbon	EPA 3.2.14	96.6	%

Respectfully submitted,  
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*E. Reginal Jones*  
Denver Laboratory





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March 8, 2000

**SUNNYSIDE COGENERATION  
 SOIL**

Location : SPOILS #1 WRS/Forchling :  
 Surface Elevation : Easting :

Lab No.	Depth	pH	EC mhos/cm @ 25°C	Saturation %	Calcium mg/l	Magnesium mg/l	Sodium mg/l	Particle Size			Texture Class	Notes
								Sand %	Silt %	Clay %		
72-00760-1	7.24	4.74	33.7	24.2	40.6	9.43	1.65	80	8	12	SANDY LOAM	

Method ref.: Wyoming D.R.G., Land Quality Division Guidelines No. 1, Topsoil And Overburden Rules Update/8-94  
 Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Spoil Material, University Of Wyoming, ~~College of Engineering and Applied Sciences, 1994~~, AR09-1994.

Respectfully submitted,  
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March 9, 2000

## SUNNYSIDE COGENERATION SOIL

Location : SE01S #1 Westorthing :  
Surface Elevation : Rating :

Lab No.	Depth	Total Organic Matter %	Carbonates	Coarse Fragments	Selenium ppm	AR-DIPA Selenium ppm	Notes
72-00760-1		6.64	96.5	0.04	0.07		

Method Ref.: Wyoming D.E.Q., Land Quality Division Guideline No. 1, Topsoil and Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Soil Material, University Of Wyoming, College Of Agriculture, Bulletin WP-62, March 1994.

Respectfully submitted,  
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*Ernest Jones*  
Denver Laboratory



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FAX: (303) 373-4731

March 5, 2000

## SUNNYSIDE COGENERATION SOIL

Location : SPOILS #1 WESTPORTING : Easting :  
Surface Elevation :

Lab No.	Depth	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Pot. t/1000t	T.S. APP. Sulfur %	Pyr+Org AP t/1000t	Pyr+Org ABP t/1000t	Total
---------	-------	------------------------	----------------	-----------------	--------------	--------------------	--------------------	---------------------	-------

72-00760-1

1.19 27.1 66.4 25.2

MAR.-08 00 (WED) 10:25

COMMERCIAL TEST-LAB

TEL: 303 373 4791

Method Ref.: Wyoming D.E.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-96

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Soil Materials, University Of Wyoming, College Of Agriculture, Bulletin AP-81, REVISED 1999.

REPRESENATIVELY SUBMITTED,  
COMMERCIAL TESTING & ENGINEERING CO.

*E. Arzoual Jones*  
Denver Laboratory



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**SUNNYSIDE COGENERATION  
 SOIL**

Location : SOILS #1 Westborough : Easting :  
 Surface Elevation : Easting :

Lab No.	Depth	Arsenic ppm	Nitrate- Nitrogen ppm	Boron ppm	Molybdenum ppm	Selenium ppm	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00760-1			37.6	2.15		0.04		0.07	

TEL: 303 373 4791

COMMERCIAL TEST-LAB

MAR.-08'00 (WE) 10:25

Method Ref.: Wyoming D.E.Q., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Soil Material Unpublished by the Wyoming Department of Environmental Quality



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INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2	
Permit Number	ACT/007/035	Report Date 04/13/00	
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	03/21/00		
Inspected By	Scott Carlson		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>		First Quarter Inspection 2000	
		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. SCA is currently in the process of removing accumulated coal fines from the Slurry Pond #2 area for use as fuel.</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 7,500 yards 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

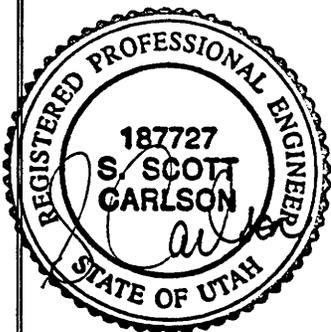
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

Signature:

Date: 04/13/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 2



Excess Spoil Disposal Area # 2



Excess Spoil Disposal Area # 2 (Slurry Pond 2 Area)

**SUNNYSIDE COGENERATION ASSOCIATES - SPOILS AREA SAMPLES - DECEMBER 1999**

Sample Site	Spoil #1 E	Spoil #1 C	Spoils #1 W	Spoils #2 C North	Spoils #2 C South
Lab No.	72-00758-1	72-00759-1	72-00760-1	72-00761-1	72-00762-1
Depths					
pH	7.36	6.91	7.24	6.97	7.0
EC (mmhos/cm @ 25 °C)	2.5	12.2	4.74	2.52	2.78
Saturation (%)	28.2	36.6	33.7	28.2	31.9
Calcium (meq/L)	12.0	21.2	24.2	11.2	16.3
Magnesium (meq/L)	12.4	27.3	40.6	13.4	14.5
Sodium (meq/L)	5.26	10.8	9.43	7.43	7.83
SAR	1.5	0.59	1.65	2.11	1.99
Sand (%)	82	82	80	78	80
Silt (%)	8	6	8	12	8
Clay (%)	10	12	12	10	12
Texture Class	Loamy Sand	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
Total Sulfur (%)	1.12	1.74	1.19	1.13	0.57
T.S. AP (l/1000t)	35.0	54.3	17.1	35.3	17.8
Neut. Pot. (l/1000t)	38.3	37.4	66.4	86.4	75.8
T.S. ABP (l/1000t)	53.30	-16.9	29.2	51.0	57.9
Nitrate- Nitrogen (ppm)	4.25	86.2	37.6	1.53	1.28
Boron (ppm)	1.66	10.2*	2.16	1.18	1.44
Selenium (ppm)	0.04	0.21	0.04	0.02	0.05
Total Organic Matter (%)					
Carbonates	8.83	3.7	6.64	8.64	7.58

**Excess Spoil Area Samples  
Overburden Evaluation for Vegetative Root Zone**

Parameters	Sample Site				
	Spoils #1 E	Spoils #1 C	Spoils #1 W	Spoils #2 C North	Spoils #2 C South
pH	Good	Good	Good	Good	Good
Ec mmhos/cm @ 25 °C	Good	Poor	Good	Fair	Fair
Saturation %	Good	Good	Good	Good	Good
Texture	Fair	Good	Good	Good	Good
SAR	Good	Good	Fair	Good	Good
Selenium	Good	Unacceptable	Good	Good	Good
Boron	Good	Unacceptable	Good	Good	Good
Acid / Base Potential	Good	Unacceptable	Good	Good	Good

Parameters	Good	Fair	Poor	Unacceptable
pH	6.1 to 8.2	5.1 to 6.1 8.2 to 8.4	4.5 to 5.0 8.5 to 9.0	< 4.5 > 9.0
Ec mmhos/cm @ 25 °C	0 to 2	2 to 8	8 to 15	> 15
Saturation %	25% to 85%		< 25% > 80%	
Texture	sl, l, sil, scl, vfsl, fsl	c, sicl, sc, ls, lfs	sic, s, sc, c, cos, fs, vfs	g, vcoss
SAR	0 to 4	5 to 10	10 to 12 fine texture 10 to 15 coarse texture	12 fine texture 15 coarse texture
Selenium	< 0.1 mg/Kg			> 0.1 mg/Kg
Boron	< 5.0 mg/Kg			> 5.0 mg/Kg
Acid / Base Potential	> -5 tons CaCO <sub>3</sub> / 1,000 tons material			< -5 tons CaCO <sub>3</sub> / 1,000 tons material



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March 8, 2000

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

Sample identification by  
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOIL FILE #2 CENTER NORTH

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received January 11, 2000

Analysis report no. 72-00761-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLFSOW390, PART-F,D-98	99.73	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	11.6	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	1.82	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.22	%
Total Organic Carbon	EPA 3.2.14	99.3	%

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*E. [Signature]*  
Denver Laboratory





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March 9, 2000



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 TEL: (303) 373 4772  
 FAX: (303) 373 4781

**SUNNYSIDE COGENERATION  
 SOIL**

Location : SPOIL PILE #2 CR Northling :  
 Surface Elevation : Easting :

Lab No.	Depth	pH	EC @ 25°C mbow/cm	Saturation %	Calcium mg/l	Magnesium mg/l	Sodium mg/l	Particle Size			Notes	
								Sand %	Silt %	Clay %		
71-00761-1		6.97	2.52	28.2	11.2	11.1	7.43	2.11	78	12	10	SANDY LOAM

Method Ref.: Wyoming D.E.Q., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin WF-82, March 1994.

Respectfully submitted,  
 COMMERCIAL TESTING & ENGINEERING CO.

*Erin J. Jones*  
 Denver Laboratory



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

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**SUNNYSIDE COGENERATION  
 SOIL**

March 8, 2000

Location : SPOIL PILES #2 CR Northing :  
 Surface Elevation : Easting :

Lab No.	Depth	Total Organic Matter %	Carbonates Ppm	Coarse Selenium	Fine Selenium	Notes
72-00761-1		8.64	99.3	0.02	0.04	

Method Ref.: Wyoming D.E.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94  
 Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin WF-82, March 1994.



Respectfully submitted,  
**COMMERCIAL TESTING & ENGINEERING CO.**

*E. Aquino Jorco*  
 Denver Laboratory

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 FAX: (303) 373-4791

March 8, 2000

**SUNNYSIDE COGENERATION  
 SOIL**

Location : SNOIL PILE #2 CR    Northing :  
 Surface Elevation :                    Easting :

Lab No.	Depth	Total		T.S.	Sulfur	Pyz+Org	AP	T.S.	Sulfur	Pyz+Org	AP	Notes
		Carbon %	%									
72-0076L-1		1.13		35.3		86.4		51.0				

TEL: 303 373 4791

COMMERCIAL TEST-LAB

MAR.-08 00 (WED) 10:26

Method Ref.: Wyoming D.R.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin HP-82, March-1994.

Respectfully submitted,  
**COMMERCIAL TESTING & ENGINEERING CO.**

*E. Reginal Jovic*  
 Denver Laboratory



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FAX: (303) 373-4791

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## SUNNYSIDE COGENERATION SOIL

March 8, 2000

Location : SPOLL PILE #3 Murching  
Surface Elevation :                      Kasting :

Lab No.	Depth	Arsenic ppm	Nitrate-Nitrogen ppm	Boron ppm	Molybdenum ppm	Selenium ppm	AB-DTPA Selenium ppm	Notes
71-0076L-1			1.53	1.18		0.02	0.04	

P. 020

TEL: 303 373 4791

COMMERCIAL TEST-LAB

MAR.-08 00 (WED) 10:26

Method Ref.: Wyoming D.E.Q., Land Quality Division guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Soil Material, University Of Wyoming, College Of Agriculture, Bulletin WF-87, March 1999.



Respectfully submitted,  
*E. Aquilino*  
Denver Laboratory

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

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TEL: (303) 373-4772  
FAX: (303) 373-4791

March 8, 2000

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

Sample identification by  
SUNNYSIDE COGENERATION FAC

SAMPLE ID: SPOIL PILE #2 CENTER SOUTH

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received January 11, 2000

Analysis report no. 72-00762-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLPSOW390, PART-F, D-98	99.67	%
Cation Exchange Capacity (CEC)	USDA No. 60 (19)	10.6	meq/100g
Exchangeable Sodium Percent (ESP)	USDA No. 60 (10B) (calc)	1.65	%
Nitrogen, total Kjeldahl	M3512-TKN by Block Digester	0.24	%
Total Organic Carbon	EPA 3.2.14	99.1	%

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*E. S. Jones*  
Denver Laboratory





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 TEL: (303) 373 4772  
 FAX: (303) 373 4791

March 8, 2000

**SUNNYSIDE COGENERATION  
 SOIL**

Location : SPOIL PILE #2 CR Northring :  
 Surface Elevation : Easting :

Lab No.	Depth	pH	EC umhos/cm @ 25°C	Saturation %	Calcium mg/L	Magnesium mg/L	Sodium mg/L	Particle Size			Texture Class	Notes	
								Sand	Silt	Clay			
72-00762-1		7.00	2.78	31.9	6.3	14.5	7.83	1.99	80	8	12	SANDY LOAM	

Method Ref.: Wyoming D.E.Q., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94  
 Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Spoil Material, University Of Wyoming, College Of Agriculture, Forestry And Natural Resources, March 1994.



Respectfully submitted,  
 COMMERCIAL TESTING & ENGINEERING CO.

*E. Reginald Jones*  
 DENVER, COLORADO

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March 8, 2000

**SUNNYSIDE COGENERATION  
 SOIL**

Location : SKOIL PEAR #1 CR  Working   
 Surface Elevation : Easting :

Total Organic Matter & Carbonates  
 Depth  
 Coarse Selenium Fragments ppm  
 AB-DTPA Selenium ppm  
 Notes

Lab No. 72-00762-1

7.58 99.1 0.05 0.06

COMMERCIAL TEST-LAB

MAR -08'00 (WED) 10:27

Method Ref.: Wyoming D.E.R., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
 Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin 80-87, March 1990.



COMMERCIAL TESTING & ENGINEERING CO.

*E. Reginald Jarco*  
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FAX: (303) 373-4791

March 8, 2000

## SUNNYSIDE COGENERATION SOIL

Location : SPOIL PILE #2 CH Notching :  
Surface Elevation : Ranking :

Lab No.	Depth	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Haut. Pot. t/1000t	T.S. AP t/1000t	Pyr+Org Sulfur AP	Pyr+Org AP	Pyr+Org AP t/1000t	Pyr+Org ARP t/1000t	M3/Can
71-00762-1		0.57	1.78	75.8	57.9						

Method Ref.: Wyoming D.E.O., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94  
standard operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
SPOIL MATERIAL, UNIVERSITY OF WYOMING, COLLEGE STATION, LARAMIE, WYOMING 82033, MARCH 1997.

Methodology submitted  
COMMERCIAL TESTING & ENGINEERING CO.

*E. Reginal Jones*  
Denver Laboratory



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

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FAX: (303) 373-1781

March 1, 2000

## SUNNYSIDE COGENERATION SOIL

Location : SKOIL PILE #3 CR Northing :  
Surface Elevation : Baeting :

Lab No.	Depth	Arsenic PPM	Nitrate- Nitrogen PPM	Boron PPM	Molybdenum PPM	Selenium PPM	AR-DTPA Selenium PPM	Notes
72-00752-1	1.28			1.44		0.05	0.06	

Method Ref: Wyoming D.E.Q., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/  
Soil Material, University of Wyoming, College of Agriculture, Bulletin WP-82, March 1994.



Respectfully submitted,  
*E. Reginald Jones*  
COMMERCIAL TESTING & ENGINEERING CO.  
Denver Laboratory

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

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**SECOND QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date 07/21/00	
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	06/27/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2000	
<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 dry.

No structure or stability problems observed.

Reclamation of the Sunnyside Coal Property is currently underway. Among the facilities being 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 directly to either 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:  Date: 07/21/00

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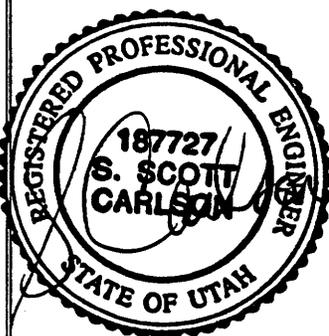
**CERTIFIED REPORT**

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 Manager  
 (Full Name and Title)

Signature: *S. Scott Carlson* Date: 07/21/00

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date	07/21/00
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>			
Inspection Date	06/27/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2000	
<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 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: 07/21/00

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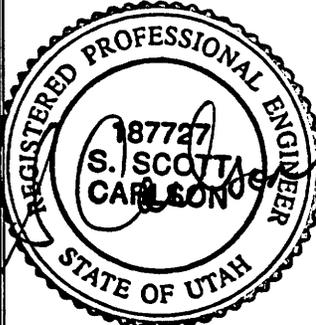
**CERTIFIED REPORT**

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 Manager

Signature: *S. Scott Carlson* Date: 07/21/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
Permit Number	ACT/007/035	Report Date	07/21/00
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	06/27/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2000	
<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>		



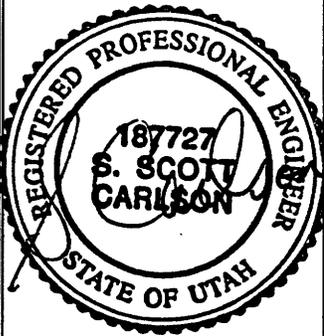
**CERTIFIED REPORT**

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 Manager

Signature: *S. Scott Carlson* Date: 07/21/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date 07/21/00	
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	06/27/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Second Quarter Inspection 2000		

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 = 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 out slopes of embankments, etc.

Pond was 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: 07/21/00

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

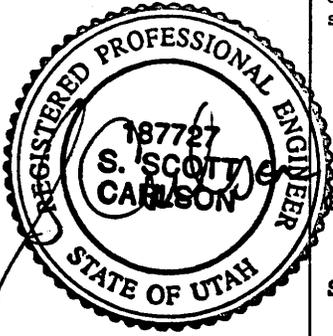
**Certification Statement:**

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 Manager

Signature: *S. Scott Carlson* Date: 07/21/00

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> 07/21/00	
<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	

**IMPOUNDMENT INSPECTION**

<b>Inspection Date</b>	06/27/00
<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 2000

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 = 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 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: 07/21/00

**CERTIFIED REPORT**

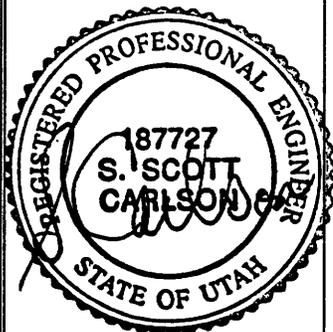
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

Signature: *S. Scott Carlson* Date: 07/21/00

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>	07/21/00
<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>	06/27/00		
<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 2000	
<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 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: 07/21/00

**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 Manager  
(Full Name and Title)

Signature: *S. Scott Carlson* Date: 07/21/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date	07/21/00
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	06/27/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2000	
<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 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: 07/21/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	
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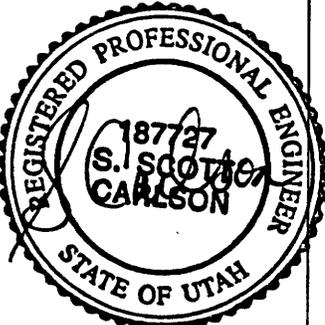
**CERTIFIED REPORT**

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 Manager

Signature: *S. Scott Carlson* Date: 07/21/00

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 07/21/00
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	06/27/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2000
		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

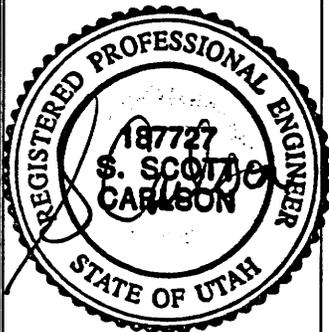
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

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

*S. Scott Carlson*

Date: 07/21/00

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> 07/21/00	
<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>	06/27/00		
<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 2000	
<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 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 the Sunnyside Coal Property is currently underway. Among the facilities being 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 directly to either 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: 07/21/00

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?

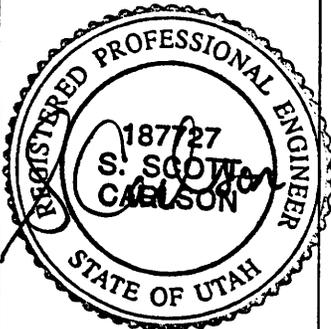
yes

**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 Manager  
(Full Name and Title)

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

*S. Scott Carlson*

Date: 07/21/00

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> 07/21/00	
<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>	06/27/00		
<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 2000	
<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 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: 07/21/00

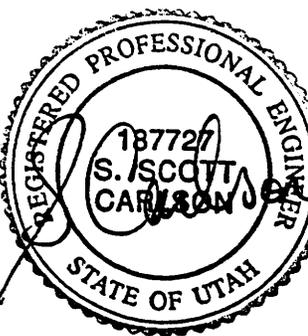
**CERTIFIED REPORT**

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 Manager  
(Full Name and Title)

Signature: *S. Scott Carlson* Date: 07/21/00

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 07/21/00	
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	06/27/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2000	
		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 received spoils material during this Quarter.			

5. Final grading and revegetation of fill.

N/A

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

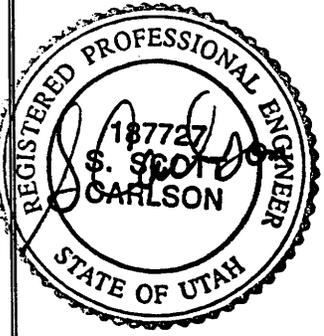
None

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.

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

No evidence exists of fires in the pile.

**Certification Statement**



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

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

Signature: *Scott Carlson* Date: 07/21/00

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 07/21/00	
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	06/27/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Second Quarter Inspection 2000	
		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.  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.			
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 4,000 yards of material was placed during the Quarter.			

5. Final grading and revegetation of fill.

N/A

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

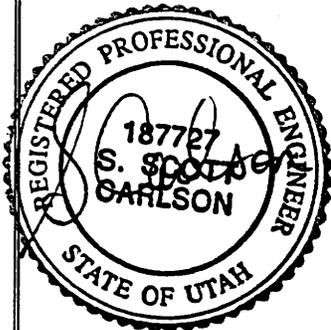
None

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.

Both Slurry Pond #1 and Slurry Pond #2 have been approved to be 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 Carlsson - Project Manager  
(Full Name and Title)

Signature: *S. Scott Carlsson*

Date: 07/21/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area #2  
(View of Slurry Pond #1 Site from the South)

6/27/2000



Excess Spoil Disposal Area #2  
(View of Slurry Pond #2 Site from the South)

6/27/2000

**THIRD QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	09/22/00
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000

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+-

Required for an impoundment which functions as a SEDIMENTATION POND.	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, SCA was currently completing maintenance on the south inlet to restore the riprap on the inlet ditch and intending to place concrete grout over the riprap for increased durability.

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 empty.

No structure or stability problems observed.

Reclamation of the Sunnyside Coal Property is currently underway. Among the facilities being 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:



Date:

10/05/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Clear Water Pond

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

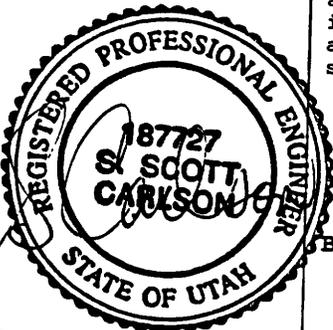
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date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

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

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



By: S. Scott Carlson Project Director

(Full Name and Title)

Signature: S. Scott Carlson

Date: 10/05/00

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	09/22/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000		

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

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.

During the Midterm review Site Visit, DOGM representatives requested maintenance on the roadway and side ditch leading to the Railcut pond.

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: Scott Carlson

Date: 10/05/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Railcut Pond

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

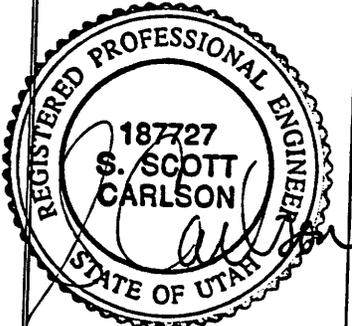
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date 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: 10/05/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	09/22/00
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000

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 = 0.9 acre-feet  Maximum Sediment Depth Elevation = 6394.75  Estimated Existing Sediment Elevation = 6394+-</p>
	3. Principle and emergency spillway elevations.
	<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 wet from recent rains, inlet/outlet conditions are good,  
No structural or hazardous conditions exist.

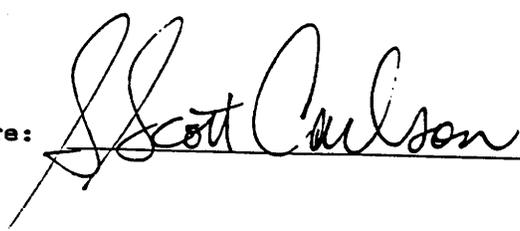
5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure 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: 10/05/00

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

OCRR Pond

**CERTIFIED REPORT**

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

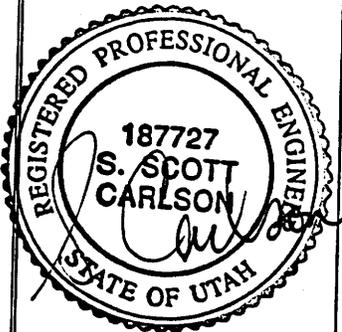
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date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

**COMMENTS AND OTHER INFORMATION**

none

**Certification Statement:**

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



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

Signature: *S. Scott Carlson*

Date: 10/05/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	09/22/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000		

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 = 1.0 acre-feet  Maximum Sediment Depth Elevation = 6485.5  Estimated Existing Sediment Elevation = 6484+-</p>
	3. Principle and emergency spillway elevations.
	<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 wet from recent rains 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: 10/05/00

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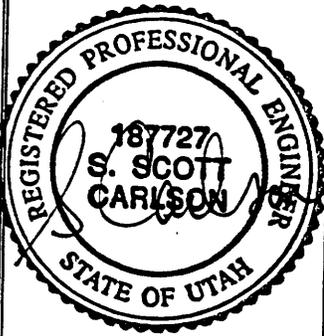
**CERTIFIED REPORT**

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: 10/05/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		CRT Pond	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	09/22/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000		

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 out slopes of embankments, etc.

Pond was wet from recent rains 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: 10/05/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

CRT Pond

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

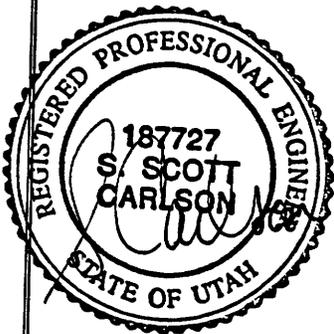
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date 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: 10/05/00

P.E. Number & State: 187727 - UT

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

COAL RUNOFF POND

Permit Number	ACT/007/035	Report Date	10/05/00
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	09/22/00
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

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

Storage Capacity = 1.5 acre feet  
 Maximum Sediment Depth Elevation = 6476.0  
 Estimated Existing Sediment Elevation = 6474±

3. Principle and emergency spillway elevations.

Spillway Elevation = 6477.9  
 Emergency Spillway Elevation = 6479.0

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

COAL RUNOFF POND

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

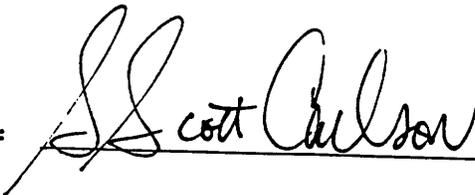
**5. Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure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



Date: 10/05/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

COAL RUNOFF POND

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES	NO
yes	
yes	
yes	

1. Is impoundment designed and constructed in accordance with the approved plan?

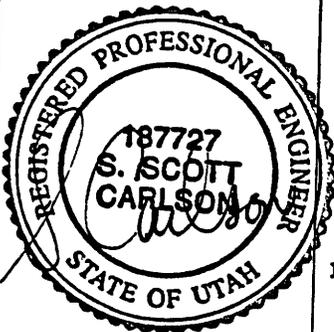
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

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: 10/05/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	09/22/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000		

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 = 8.3 acre-feet  Maximum Sediment Depth Elevation = 6513.3  Estimated Existing Sediment Elevation = 6511+-</p>
	3. Principle and emergency spillway elevations.
	<p>Spillway Elevation = 6517.03  Primary Drain Elevation = 6514.3</p>

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Pond

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

Pond was wet from recent rains.  
No discharge, inlet/outlet conditions are good,  
No structural or hazardous conditions exist.

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

No changes.  
No structure or stability problems observed.

**Qualification Statement**

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

Signature:

*Scott Carlson*

Date: 10/05/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Pond

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

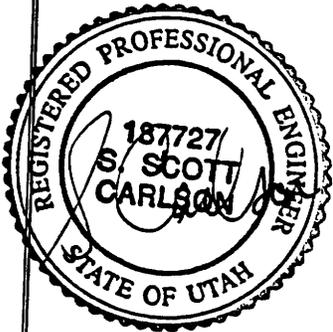
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date 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: 10/05/00

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 10/05/00

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

09/22/00

Inspected By

Scott Carlson

Reason for Inspection

(Annual, Quarterly or Other Periodic Inspection,  
Critical Installation, or Completion of Construction)

Third Quarter Inspection 2000

Attachments to Report?  No  Yes

**Field Evaluation**

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

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems.

N/A

4. Placement and compaction of fill materials.

N/A

Removal of Coarse and fine Refuse Material Only

5. Final grading and revegetation of fill.

N/A

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

N/A

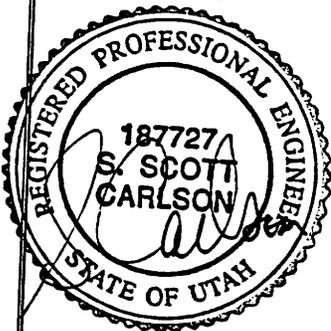
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

*S. Scott Carlson*

Date: 10/05/00

P.E. Number & State: 187727 - UT



Coarse Refuse Pile / West Slurry Cell (from North West)

9/22/2000

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		East Slurry Cell	
Permit Number	ACT/007/035	Report Date 10/05/00	
Mine Name	SUNNYSIDE REFUSE AND SLURRY		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	Impoundment Name	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	09/22/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2000	
<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 surface was wet from recent rains.  
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 the Sunnyside Coal Property is currently underway. Among the facilities being 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: 10/05/00

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

East Slurry Cell

**CERTIFIED REPORT**

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

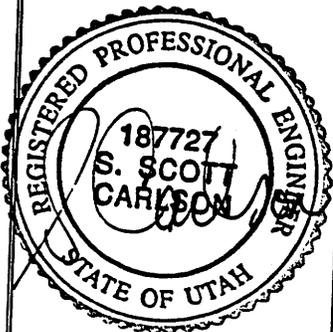
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date 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: 10/05/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		West Cell	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	

**IMPOUNDMENT INSPECTION**

Inspection Date	09/22/00
Inspected By	Scott Carlson

Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000
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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

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: \_\_\_\_\_

*Scott Carlson*

Date: 10/05/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

West Cell

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (if NO, explain under Comments)

	YES	NO
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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?

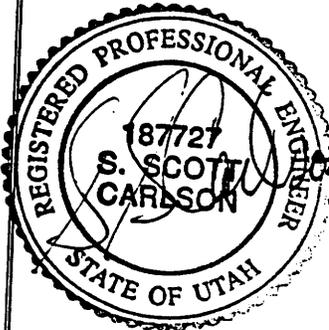
yes

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: 10/05/00

P.E. Number & State: 187727 UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #1	
Permit Number	ACT/007/035	Report Date 10/05/00	
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	09/22/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Third Quarter Inspection 2000	
		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.

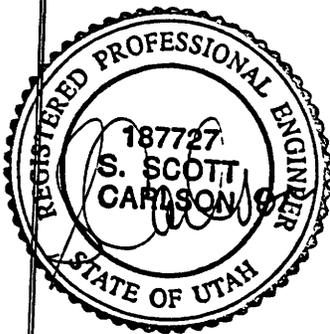
None

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: *S. Scott Carlson*

Date: 10/05/00

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 10/05/00
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	09/22/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Third Quarter Inspection 2000	
	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 6,000 - 6,500 yards 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.

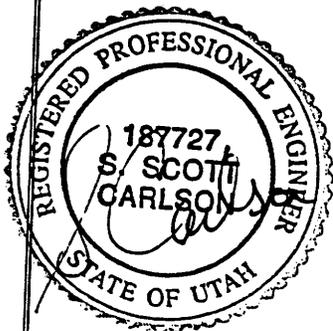
None

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: *S. Scott Carlson*

Date: 10/05/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area #2 (Slurry Pond #2 Area) from South



Excess Spoil Disposal Area #2 (Slurry Pond #1 Area) from Northwest

**FOURTH QUARTER**

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000		
<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>		



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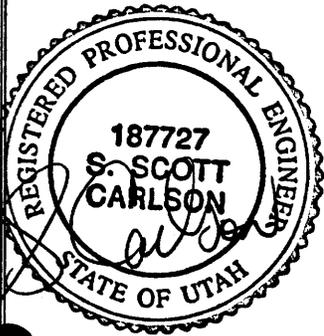
**CERTIFIED REPORT**

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: 12/27/00

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000		

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 = 4.8 acre-feet  Maximum Sediment Depth Elevation = 6207.7  Estimated Existing Sediment Elevation = 6207+-</p>
	3. Principle and emergency spillway elevations.
	<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 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: Scott Carlson

Date: 12/27/00

**IMPOUNDMENT INSPECTION AND CERTIFIED REPORT**

Railcut Pond

**CERTIFIED REPORT**

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

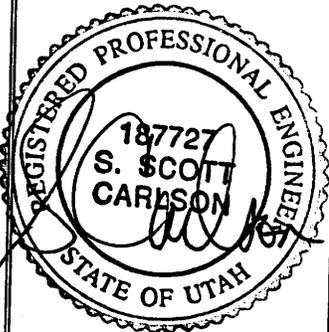
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date 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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000		
<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 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.

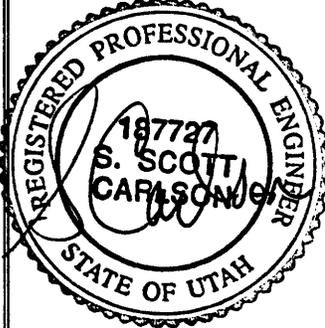
No changes, no structure or stability problems observed.

**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 Culson

Date: 12/27/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
<b>CERTIFIED REPORT</b>			
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	
<b>COMMENTS AND OTHER INFORMATION</b>			
none			
<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, P.E. Project Director</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>12/27/00</u></p> <p>P.E. Number &amp; State: <u>187727 - UT</u></p>	

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date 12/27/00	
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	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Fourth Quarter Inspection 2000	
<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 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: 12/27/00

**CERTIFIED REPORT**

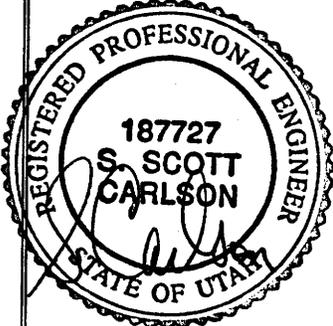
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance 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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		CRT Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000		
<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 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: 12/27/00

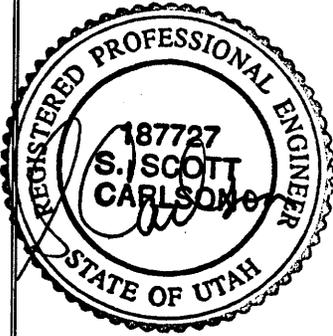
**CERTIFIED REPORT**

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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		COAL RUNOFF POND	
Permit Number	ACT/007/035	Report Date	12/27/00
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	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000		
<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 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: 12/27/00

**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?

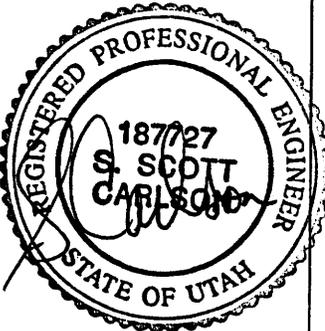
yes

**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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000		
<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 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.

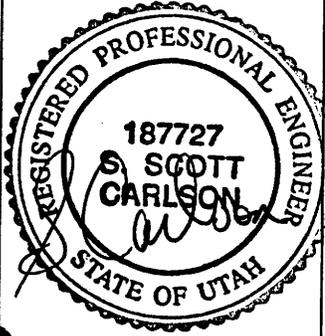
**Qualification Statement**

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: \_\_\_\_\_



Date: 12/27/00

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>	Borrow Area Pond	
<b>CERTIFIED REPORT</b>		
<b>IMPOUNDMENT EVALUATION</b> (If NO, explain under Comments)	<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>		
none		
<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, P.E. Project Director</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>12/27/00</u></p> <p>P.E. Number &amp; State: <u>187727 Utah</u></p>	

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	Report Date 12/27/00
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	012/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000	
	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

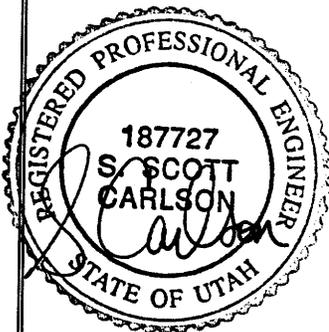
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

Date: 12/27/00

P.E. Number & State: 187727 - UT



**COARSE REFUSE PILE**  
Taken from west / northwest  
December 21, 2000

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		East Slurry Cell	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/27/00	
<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>	012/21/00		
<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 2000	
<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 = 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 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: 12/27/00

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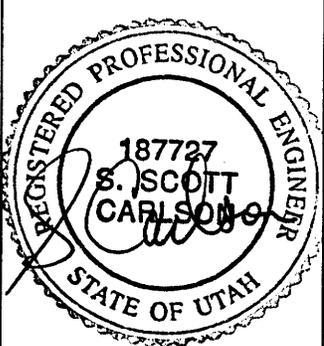
**CERTIFIED REPORT**

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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		West Cell	
Permit Number	ACT/007/035	Report Date	12/27/00
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	012/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000		
<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 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

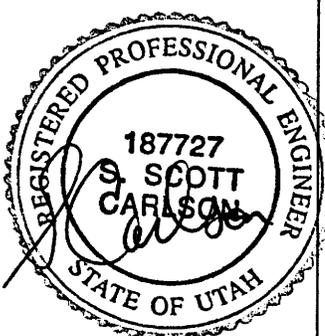
**Qualification Statement**

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: \_\_\_\_\_

*S. Scott Carlson*

Date: 12/27/00

<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>			
none			
<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> (Full Name and Title)</p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>12/27/00</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 12/27/00
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	012/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000	
	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.

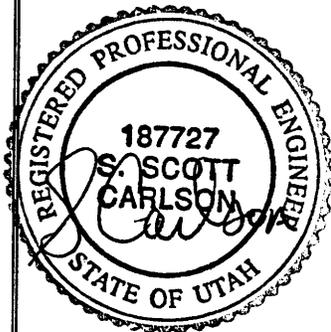
None

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: *S. Scott Carlson* Date: 12/27/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 1

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 12/27/00
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	012/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Fourth Quarter Inspection 2000	
	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 8000 yards (6600 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: \_\_\_\_\_

*S. Scott Carlson*

Date: 12/27/00

P.E. Number & State: 187727 - UT



EXCESS SPOIL DISPOSAL AREA # 2  
Photo taken from the south end, Dec 21, 2000



EXCESS SPOIL DISPOSAL AREA # 2  
Photo taken from the northwest corner, Dec 21, 2000

# ANNUAL REPORT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Clear Water Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	12/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2000		
<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.

During the third quarter 2000, SCA performed maintenance on the south inlet to restore the riprap on the inlet ditch and place concrete grout over the riprap for increased durability.

**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 empty.

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.

<b>Qualification Statement</b>	<p>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.</p> <p style="text-align: center;"> <b>Signature:</b> <u>Scott Carlson</u>      <b>Date:</b> <u>12/27/00</u> </p>
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**CERTIFIED REPORT**

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES NO

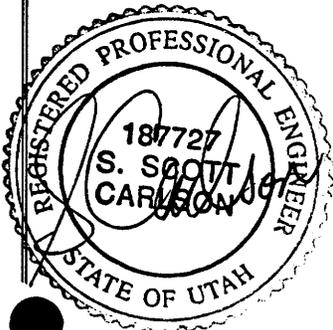
- 1. Is impoundment designed and constructed in accordance with the approved plan? yes
- 2. Is impoundment free of instability, structural weakness, or any other hazardous condition? yes
- 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date 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: 12/27/00

P.E. Number & State: 187727 UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Railcut Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	12/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2000		

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

**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.

During the Midterm review Site Visit, DOGM requested maintenance on the roadway and side ditch leading to the Railcut Pond. SCA subsequently completed this maintenance work.

**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: Scott Carlson

Date: 12/27/00

**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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		OCRR Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	12/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2000	
<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 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: 12/27/00

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

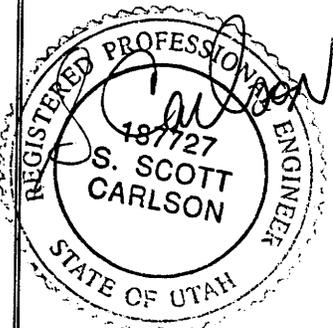
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance 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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Pasture Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	12/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2000	
<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 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: 12/27/00

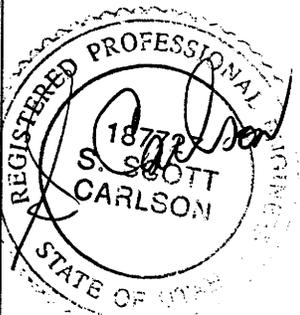
**CERTIFIED REPORT**

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: 12/27/00

P.E. Number & State: 18772 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		CRT Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	12/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2000		
<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 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: 12/27/00

**CERTIFIED REPORT**

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

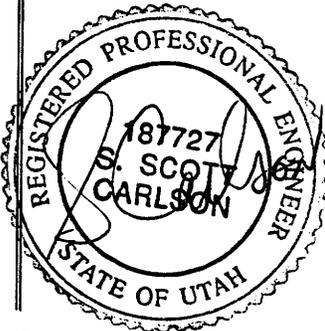
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date 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: 12/27/00

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>	12/27/00
<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>	12/21/00		
<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 2000	
<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 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: 12/27/00

**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?

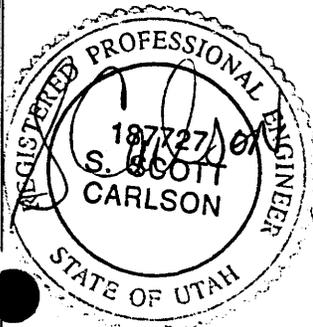
yes

**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: 12/27/00

P.E. Number & State: 187727 - UT

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date	12/27/00
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	12/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2000		
<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 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: \_\_\_\_\_



Date: 12/27/00

**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: 12/27/00

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 12/27/00
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	12/21/00	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2000	
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.

During the fourth quarter 1999, excavation of refuse material had damaged a small portion of the westerly access road around the refuse pile. The First Quarter 2000 inspection showed that the operator had repaired the road and adjacent ditch and berm.

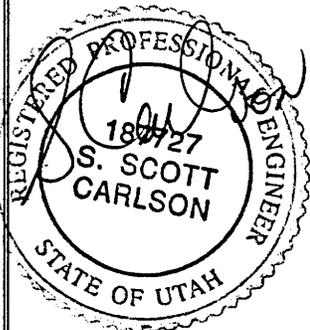
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

Date: 12/27/00

P.E. Number & State: 187727 - UT



COARSE REFUSE PILE  
Taken from west / northwest  
December 21, 2000

<b>IMPOUNDMENT INSPECTION AND CERTIFIED REPORT</b>		East Slurry Cell	
<b>Permit Number</b>	ACT/007/035	<b>Report Date</b> 12/27/00	
<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>	12/21/00		
<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 2000	
<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: 12/27/00

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?

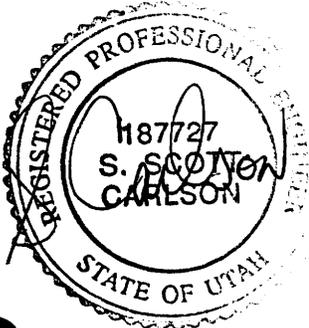
yes

**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: 12/27/00

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> 12/27/00	
<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>	12/21/00		
<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 2000	

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: 12/27/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	West Cell	
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**CERTIFIED REPORT**

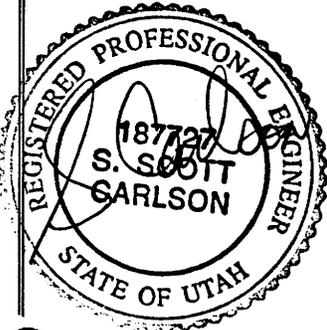
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance 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: 12/27/00

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 12/27/00	
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	12/21/00		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2000	
		Attachments to Report? <input type="checkbox"/> No <input checked="" 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.

Received approximately 250 yards of spoils materials during the first Quarter of 2000. Did not receive spoils material during the remainder of the year.

5. Final grading and revegetation of fill.

N/A

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

None

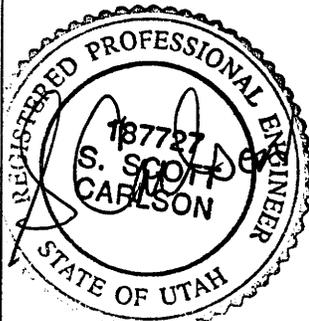
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

Construction which occurred this year was in shallow lifts in general conformance with the approved plan.

No evidence exists of fires in the pile.

Analytical results from samples taken of the material placed during last winter were submitted with the First Quarter 2000 report. They are again attached for reference.

**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: 12/27/00

P.E. Number & State: 187727 - UT



Excess Spoil Disposal Area # 1

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 12/27/00
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	12/21/00	
Inspected By	Scott Carlson	
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Annual Inspection 2000	
	Attachments to Report? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	

**Field Evaluation**

1. Foundation preparation, including the removal of all organic material and topsoil.  
Existing disturbed site. No topsoil removal is required by approved plan.
2. Placement of underdrains and protective filter systems.  
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.
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 quantities of spoil material was placed as follows:  
1<sup>st</sup> Qtr - 7500 yds, 2nd Qtr - 4000 yds, 3rd Qtr - 6000-6500 yds, 4th Qtr - 8000 yds,, 2000 Annual Total - 25500-26000 yards.

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.

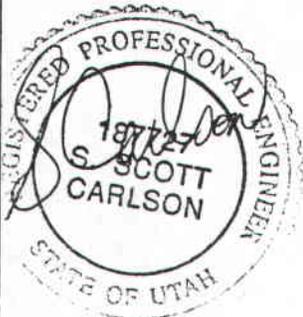
Both Slurry Pond #1 and Slurry Pond #2 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

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 during last winter were submitted with the First Quarter 2000 report. They are again attached for reference.

**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: 12/27/00

P.E. Number & State: 187727 - UT



EXCESS SPOIL DISPOSAL AREA # 2  
Photo taken from the south end, Dec 21, 2000



EXCESS SPOIL DISPOSAL AREA # 2  
Photo taken from the northwest corner, Dec 21, 2000



## **APPENDIX B-1 CLIMATOLOGICAL DATA**

SUNNYSIDE WEATHER STATION  
2000 CLIMATOLOGICAL REPORT

day	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept		Oct		Nov		Dec	
	max temp	min temp																						
1	38	18	38	16	35	29	51	27	76	38	82	50												
2	31	20	40	21	45	24	58	29	81	34	82	54												
3	30	4	46	22	50	26	54	26	81	50	87	55												
4	27	6	43	27	56	27	62	34	83	47	89	55												
5	30	10	46	24	48	35	67	38	82	32	85	55												
6	31	8	51	27	40	29	65	37	75	47	88	53												
7	25	11	52	27	42	24	64	35	60	58	88	54												
8	27	5	49	29	37	25	64	35	55	33	88	57												
9	36	12	45	31	38	28	67	56	63	44	80	53												
10	43	20	41	32	40	18	60	39	74	30	74	46												
11	48	25	43	32	45	18	65	51	46	33	79	46												
12	48	27	32	28	48	29	78	34	50	20	79	49												
13	47	25	30	20	52	25	69	38	60	31	72	49												
14	45	27	37	25	50	29	57	19	78	37	72	49												
15	48	28	43	23	41	30	55	32	72	47	83	49												
16	44	33	35	28	45	22	59	31	69	41	70	49												
17	47	31	37	24	43	27	64	37	70	34	73	43												
18	38	34	39	22	47	20	51	38	60	41	77	48												
19	50	33	43	16	44	23	49	29	71	39	64	46												
20	48	32	44	22	27	20	60	36	79	45	70	42												
21	47	31	43	30	45	2	65	40	80	48	80	47												
22	40	20	40	30	58	26	58	45	82	51	82	53												
23	37	18	38	24	60	30	64	40	84	54	85	52												
24	43	27	33	26	51	29	58	40	72	51	85	52												
25	33	29	28	16	60	35	68	25	71	45	81	57												
26	36	29	35	8	62	35	74	38	66	48	73	55												
27	40	16	43	20	62	32	79	49	77	42	79	47												
28	32	12	40	28	58	36	76	39	92	52	83	41												
29	32	8	41	21	50	27	62	44	87	55	85	59												
30	35	11	50	28	50	28	64	33	88	56	85	59												
31	27	21	39	27	39	27	64	33	83	44	85	59												
total	1184	632	1175	699	1468	815	1887	1094	2267	1327	2388	1477												
AVG	38.19	20.39	40.52	24.10	47.35	26.29	62.90	36.47	73.13	42.81	79.60	50.93												
AVG DAILY		29.29		32.31		36.82		49.68		57.97														

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

**SUNNYSIDE WEATHER STATION  
2000 CLIMATOLOGICAL REPORT**

day	July		July		July		July		Aug		Aug		Sept		Sept		Oct		Oct		Nov		Nov		Dec		Dec		
	max temp	min temp	precip	acc. dep	max temp	min temp	precip	acc. dep	max temp	min temp	precip	acc. dep	max temp	min temp	precip	acc. dep	max temp	min temp	precip	acc. dep	max temp	min temp	precip	acc. dep	max temp	min temp	precip	acc. dep	
1	83	53	0.10		95	61			62	49	0.25			80	47					53	34	0.07			50	31			
2	85	53	0.15		85	64	trace		70	44	0.23			78	48					49	33	0.53	1.00		51	30			
3	84	52			91	67	0.03		75	44				76	50					46	28				50	30			
4	81	46			91	64			71	50				70	46					47	29				50	29			
5	82	55			90	62			81	54				70	38					47	29				33	21			
6	86	49			92	60			71	57				72	39					41	26				28	11			
7	85	54			92	63			77	46				72	46					40	19				30	9			
8	80	63			93	62			70	40	0.04			68	43					38	27				33	14			
9	76	51	0.10		92	65			74	43	0.60			63	42					35	15				36	12			
10	85	52	0.10		80	63	trace		78	47				50	45			0.17		35	15				37	11			
11	*	*			89	59			78	48				45	28			1.61	snow						45	22			
12	90	62			90	59			82	52				45	*					43	19				45	22			
13	90	60			86	57			84	59				47	28					47	26				48	27			
14	95	63			85	60			88	59				52	28					52	26				46	29			
15	90	59			85	60			87	56				56	30					53	31				51	21			
16	91	58	0.50		78	58			88	57				58	33					52	34				53	29			
17	84	58	0.20		68	59	0.20		84	51	trace			61	36					52	26				50	30			
18	86	58			79	50			75	49	trace			64	36					45	28				47	24			
19	88	56			80	53	0.18		75	49				66	39					43	21				44	22			
20	91	27			82	50			70	47				67	40					41	21				29	9	0.10	2.00	
21	92	59			82	52			52	48	0.30			55	37					43	22				22	2			
22	96	65			75	55	trace		68	42	trace			49	34					50	27				22	0			
23	97	62			79	56			47	40				*	40					52	35				23	3			
24	94	66			80	60			51	36				46	35			0.28		52	35				25	14			
25	90	60	0.21		80	61			57	30				44	35					54	32				30	5			
26	89	51			78	52			66	36				49	37					57	33				34	12			
27	92	62			80	51	0.10		72	46				50	38			0.15		52	31				37	18			
28	95	64			78	50	0.52		73	49				49	39			0.08		45	31	0.40			44	20			
29	96	66			79	48	trace		70	48	0.03			46	35			0.20		47	32				52	28			
30	98	67			69	55	0.42		74	45				45	42					47	29				49	30			
31	91	67			78	46	0.12		35	28				35	28			1.07							39	27	0.09	2.00	
total	2662	1718	1.36	0.00	2593	1782	1.62	0.00	2170	1421	1.45	0.00	0.00	1728	1142	3.68	0.00	0.00	1363	805	1.30	1.00	1.00	1186	570	0.19	4.00		
AVG	88.73	57.27			83.65	57.48			72.33	47.37				57.60	38.07		snow	snow	47.00	27.76				39.53	19.00				
AVG DAILY		73.00				70.56				59.85				47.83					37.38					29.27					
AVERAGE HIGH TEMPERATURE						60.88																							
AVERAGE LOW TEMPERATURE						37.33																							
TOTAL PRECIPITATION FOR 2000						14.68																							
AVERAGE MONTHLY PRECIPITATION						1.22																							

acc. Dep. = accumulated depth (snow, hail)  
temperature in °F  
precipitation in inches  
\* = equipment failure



## **APPENDIX B-2 VEGETATION MONITORING**

**VEGETATION SAMPLING  
AT THE  
SUNNYSIDE COGENERATION FACILITY  
2000**

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



*Prepared by*

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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

January 2001

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VEGETATION SAMPLING  
AT THE  
SUNNYSIDE COGENERATION FACILITY  
2000

INTRODUCTION

Qualitative sampling of the vegetation of the reclaimed old refuse road at the Sunnyside Cogeneration Facility was conducted during the growing season of 2000. 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 in 2000.

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

**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 that is name of the reclaimed or reference 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 exposures differences.

In this case, the predominant exposures were recorded.

Plant Community

This was the native plant community type where the sampling was conducted.

## 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 year's 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 3 and 4, 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 23, 2000	
Worker(s): P. Collins and P. Collins	
Slope: 32°	
Exposure: South	
Plant Community: Atriplex/Grass	
Animal Use/Disturbance: Slight (rabbits have used the site moderately for food and cover).	
Erosion: Slight to moderate erosion on cut slopes, but negligible on fill slopes and road.	
Cover: 40%-50% (living)	
Dominant Plant Species Observed:	
SCIENTIFIC NAME	COMMON NAME
<u>Trees/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>Linum lewisii</i>	Lewis flax
<i>Machaeranthera grindelioides</i>	Gumweed aster
<i>Melilotus officinalis</i>	Yellow sweetclover
<u>Grasses</u>	
<i>Bromus tectorum</i>	Cheatgrass
<i>Elymus smithii</i>	Western wheatgrass
<i>Elymus lanceolatus</i>	Thickspike wheatgrass
<i>Elymus salinus</i>	Salina wildrye
<i>Elymus spicatus</i>	Bluebunch wheatgrass
<i>Stipa hymenoides</i>	Indian ricegrass
Notes: 1) Less cheatgrass this year 2) Site was dominated by mature saltbush plants 3) Vegetation was in excellent condition 4) Quite a bit of sediment on road from the cut slopes 5) Walked entire length of road to record data	

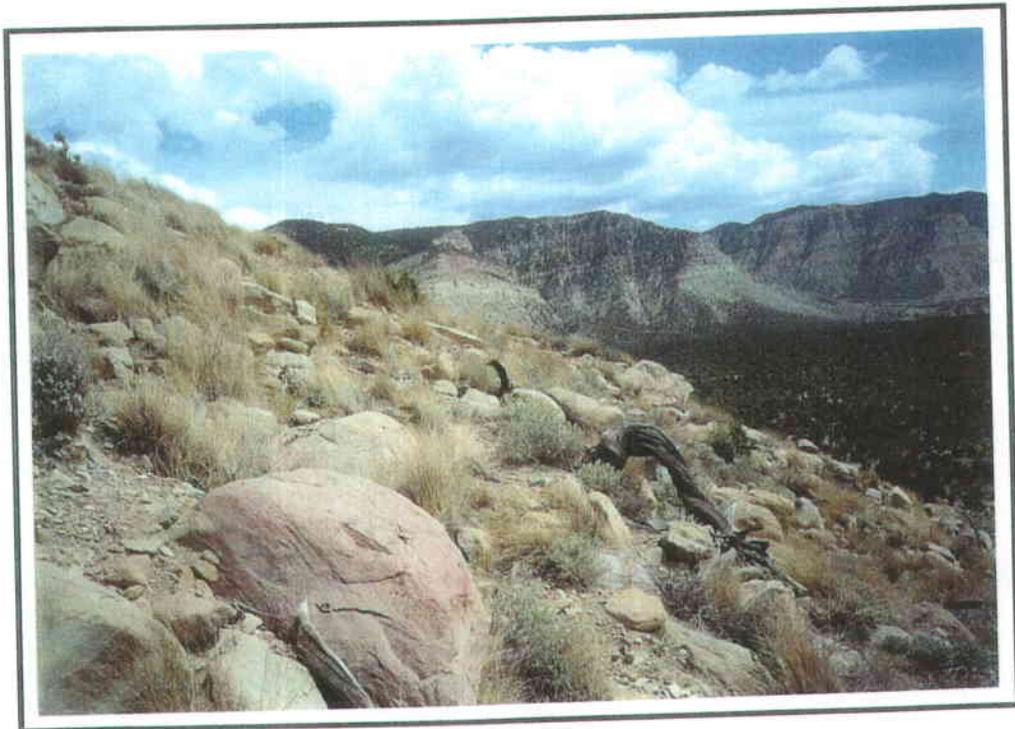
**Table 3: Qualitative Data for the Atriplex/Grass Reference Area at the Sunnyside Cogeneration Facility**

Site Name: Reference Area	
Date: August 23, 2000	
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% (living)	
Dominant Plant Species Observed:	
SCIENTIFIC NAME	COMMON NAME
<u>Trees/Shrubs</u>	
<i>Amelanchier utahensis</i>	Serviceberry
<i>Atriplex confertifolia</i>	Shadscale
<i>Artemisia tridentata</i>	Big sagebrush
<i>Chrysothamnus nauseosus</i>	Rubber rabbitbrush
<i>Gutierrezia sarothrae</i>	Broom snakeweed
<i>Juniperus osteosperma</i>	Utah Juniper
<i>Rhus aromatica</i>	Squawbush
<u>Forbs</u>	
<i>Machaeranthera grindelioides</i>	Gumweed aster
<u>Grasses</u>	
<i>Elymus salinus</i>	Salina wildrye
<i>Hilaria jamesii</i>	Gallets
<i>Stipa hymenoides</i>	Indian ricegrass
Notes: 1) There was no obvious differences compared to last year when this community was sampled quantitatively.	
2) Site was in excellent 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**



South Bank – East Slurry Cell

March 21, 2000



Old Coarse Refuse Road & South Bank East Slurry Cell

March 21, 2000



Old Coarse Refuse Road Reclamation

March 21, 2000



Old Coarse Refuse Road Reclamation Area

June 27, 2000



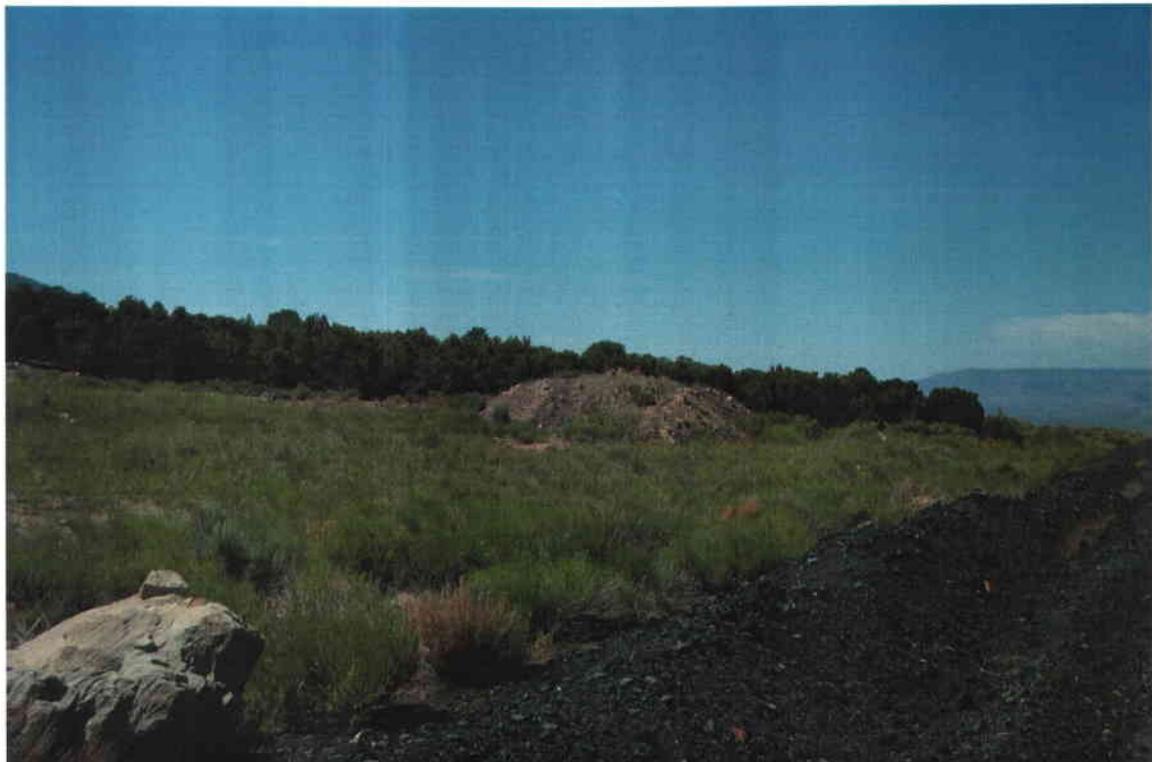
Rail Cut Sediment Pond and adjacent Topsoil Stock Pile

June 27, 2000



Reclamation Borrow Area

June 27, 2000



Borrow Area Topsoil Stock Pile

June 27, 2000



Access Road Topsoil Stock Pile and adjacent facilities

June 27, 2000



Clear Water Topsoil Stockpile and adjacent pond and spoil area

June 27, 2000



Coarse Refuse Toe Pond Topsoil Pile and Adjacent Sediment Pond

Sept 22, 2000



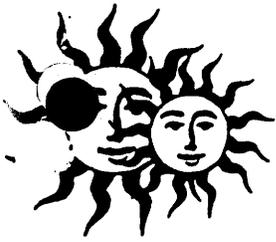
Third and Fourth Lift of Coarse Refuse Pile

Sept 22, 2000



## **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, 2000

Division of Oil, Gas & Mining  
STATE OF UTAH  
c/o College of Eastern Utah  
451 East 400 North  
Price, Utah 84501

ATTN: Mr. Bill Malencik

Subject: Quarterly Sampling Report  
Monitoring Period: January, February, March 2000  
DOGM Permit Boundary Water Quality Monitoring Plan  
Sunnyside Cogeneration Associates Power Plant

Dear Bill:

This letter summarizes the analytical results and field activities concerning the DOGM Permit Water Quality Monitoring Plan at the Sunnyside Cogeneration Associates Power Plant. The baseline quarterly period covered is January, February, March 2000. I collected the quarterly water-samples, monthly field parameters, and performed visual inspections of the DOGM permit monitoring locations on March 06, 2000.

Immediately after collection, the water samples were preserved (when necessary), placed on ice in a cooler, and delivered under chain of custody documentation to Chemtech / Ford Laboratory.

The required field parameters for each monitoring location were measured on March 06, 2000, are presented in Table 2. None of the DOGM UPDES permit outfalls discharged effluent during the monitoring period. Also, coarse refuse source (CRS) monitoring location was not discharging during this period; no sample was taken.

If you have any questions or comments, please contact me at (435) 888-4476.

Sincerely,

*Rusty Netz*

Rusty Netz  
Environmental Coordinator

RN/ta

**Enclosures:**

Table 1: Compliance Monitoring Locations  
Table 2: Field Parameter Data  
Table 3: Quarterly Compliance Sampling Results,  
1st Quarter  
Attachment A: Field Data Sheets (UPDES)  
Attachment B: Analytical Laboratory Report

cc. Mr. Ken Wyatt, Division of Oil, Gas & Mining  
SCA Plant file  
Rusty Netz

**TABLE 1**

**Sunnyside Cogeneration Facility**

**Sunnyside, Utah**

**Compliance Monitoring Locations**

**DOGM Permit Boundary Water Quality Monitoring Plan**

**DOGM UPDES Monitoring Locations**

**Outfall 004, Clear Water Pond**

**Outfall 007, Rail Cut Pond**

**Outfall 008, Old Coarse Refuse Pond**

**Outfall 009, Pasture Pond**

**Outfall 012, Coarse Refuse Toe**

**Outfall 014, Coal Pile Runoff Pond**

**Outfall 016, Borrow Area Pond**

**DOGM Baseline Water Quality Monitoring Locations**

**ICE-1, Icelander Creek**

**F-2, Whitmore Springs**

**CRS, Coarse Refuse Seep-Source**

**CRB, Coarse Refuse Seep-Boundary**

**WELL-1, Dragerton Well**

**B-6, Borehole B-6**

# TABLE 2

Sunnyside Cogeneration Facility  
Sunnyside, Utah

## Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: First Quarter 2000  
Samples taken March 6, 2000

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelanders Creek	ICE-1	0.4	8.75	1589	9.1	34	2
Columbia Dugway Spring	F-2	0.8	8.78	1521	9.1	48	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	1	8.56	4620	8.9	25	2
Dragerton Well	Well-1	8	7.85	401	8.6	150	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:

na - no flow

NW - no water present

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

**TABLE 3**

**Sunnyside Cogeneration Facility**

Sunnyside, Utah

First Quarter 2000

Quarterly Compliance Sampling Results

DOGM Permit Boundary Water Quality Monitoring Plan

Sampling Date: March 6, 2000

Sample Location	Analytical Parameters											Ions	
	Metals (mg/l)				Inorganics (mg/l)				Suspended Solids			C - A	
	Iron Total	Iron Dissolved	Manganese Total	Manganese Dissolved	Electrical Conductivity	Oil & Grease	Settleable Solids	Dissolved Solids	Suspended Solids	Balance			
ICE-1	0.29	0.03	0.01	<0.01	1589	<7	<0.1	1150	16	15.73/17.3			
CRB	<0.02	<0.02	<0.01	<0.01	4620	<8	<0.1	4700	3	61.45/62.79			
CRS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
F - 2	0.14	0.02	0.02	0.01	1521	<6	<0.1	1120	2	17.8/17.76			
WELL-1	0.28	0.04	<0.01	<0.01	401	<5	NA	1.010	NA	14.77/15.21			
BOREHOLE B-6	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW			

Sample Location	Analytical Parameters										
	Anions (mg/l)					Cations (mg/l)					
	Bicarbonate Alkalinity	Carbonate Alkalinity	Total Alkalinity	Chloride as Cl	Sulfate as SO4	Calcium as Ca (D)	Hardness as CaCO3	Magnesium as Mg (D)	Potassium as K	Sodium as Na	
ICE-1	523	<1	429	29	380	56	440	77	3	150	
CRB	391	<1	321	124	2540	410	1870	260	18	440	
CRS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
F - 2	547	<1	449	29	383	72	470	82	2.6	170	
WELL-1	517	<1	424	18	299	65	352	60	2.4	150	
BOREHOLE B-6	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	

A < sign indicates the value reported was the practical quantitation limit for this sample using the method described. Concentrations of analyte, if present, below this were not quantifiable.

na - Higher detection limit reported due to interferences present in the sample

ND - not applicable

NW - no water present

NA - data is not available due to lack of discharge

**ATTACHMENT "A"**















**ATTACHMENT "B"**



Date: 4/ 6/00

To: Sunnyside Cogeneration Assoc. Fac.  
 Attn. Rusty Netz  
 #1 Power Plant Road  
 Sunnyside, UT 84539

Group #: 36015  
 Lab #: 00-U001951  
 Project: BASELINE  
 Sample Desc: ICE-1  
 Sample Matrix: WATER  
 Date Sampled: 3/ 6/00  
 Date Submitted: 3/ 7/00

Time Sampled: 8:45  
 Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Alkalinity, as Bicarbonate, mg/L	523	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, as Carbonate, mg/L	< 1	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, Total (CaCO <sub>3</sub> ), mg/L	429	1	3/ 9/00 12:00	SM 2320B	TSM
Chloride, mg/L	29	1	3/ 9/00 17:20	EPA 325.3	TSM
Hardness, (calc), mg CaCO <sub>3</sub> /L	440	0.2	3/21/00	CAL	LD
Hardness Index: Hard Water					
Settleable Solids, mL/L/hr	< 0.1	0.1	3/ 7/00 11:15	EPA 160.5	LPS
Sulfate, mg/L	380	100	3/ 8/00 10:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	1,150	10	3/ 9/00 14:00	EPA 160.1	LPS
Total Suspended Solids, mg/L	16	1	3/ 7/00 11:45	EPA 160.2	LPS
Calcium (T), as Ca, mg/L	56	0.2	3/15/00 12:50	EPA 200.7	JJT
Calcium (D), as Ca, mg/L	56	0.2	3/16/00 9:25	EPA 200.7	JJT
Iron (T), as Fe, mg/L	0.29	0.02	3/15/00 12:50	EPA 200.7	JJT
Iron (D), as Fe, mg/L	0.03	0.02	3/16/00 9:25	EPA 200.7	JJT
Magnesium (T), as Mg, mg/L	73	0.2	3/15/00 12:50	EPA 200.7	JJT

Approved By:

*Amy Jo Portlock*  
 Amy Jo Portlock, QA Officer

MRL = Report detection limit



To: Sunnyside Cogeneration Assoc. Fac.  
 Attn. Rusty Netz  
 #1 Power Plant Road  
 Sunnyside, UT 84539

Date: 4/ 6/00

Group #: 36015  
 Lab #: 00-U001951  
 Project: BASELINE  
 Sample Desc: ICE-1  
 Sample Matrix: WATER  
 Date Sampled: 3/ 6/00  
 Date Submitted: 3/ 7/00

Time Sampled: 8:45  
 Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Magnesium (D), as Mg, mg/L	77	0.2	3/16/00 9:25	EPA 200.7	JJT
Manganese (T), as Mn, mg/L	0.01	0.01	3/15/00 12:50	EPA 200.7	JJT
Manganese (D), as Mn, mg/L	< 0.01	0.01	4/ 4/00 12:33	EPA 200.7	JJT
Potassium (D), as K, mg/L	3.0	0.2	3/16/00 9:25	EPA 200.7	JJT
Sodium (D), as Na, mg/L	150	0.2	3/16/00 9:25	EPA 200.7	JJT
Oil & Grease, mg/L	< 7	5	3/14/00 15:17	SM18 5520B	PNM
Cation Sum, meq/L	15.73				
Anion Sum, meq/L	17.30				
‡ Cation/Anion Difference, ‡	4.75				
Temperature, Receiving, C	9.5		3/ 7/00 9:50		SS

NOTE: Sample not received on ice.

Approved By:

*Amy Jo Postlock*  
 Amy Jo Postlock, QA Officer

MRL = Report detection limit



Date: 4/ 6/00

To: Sunnyside Cogeneration Assoc. Fac.  
 Attn. Rusty Netz  
 #1 Power Plant Road  
 Sunnyside, UT 84539

Group #: 36015  
 Lab #: 00-U001950  
 Project: BASELINE  
 Sample Desc: CRB  
 Sample Matrix: WATER  
 Date Sampled: 3/ 6/00  
 Date Submitted: 3/ 7/00

Time Sampled: 8:20  
 Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Alkalinity, as Bicarbonate, mg/L	391	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, as Carbonate, mg/L	< 1	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, Total (CaCO3), mg/L	321	1	3/ 9/00 12:00	SM 2320B	TSM
Chloride, mg/L	124	1	3/ 9/00 17:20	EPA 325.3	TSM
Hardness, (calc), mg/L	1,870	10		CAL	
Hardness Index: Very Hard Water					
Settleable Solids, mL/L/hr	< 0.1	0.1	3/ 7/00 11:15	EPA 160.5	LPS
Sulfate, mg/L	2,540	500	3/ 8/00 10:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	4,700	10	3/ 9/00 14:00	EPA 160.1	LPS
Total Suspended Solids, mg/L	3	1	3/ 7/00 11:45	EPA 160.2	LPS
Calcium (T), as Ca, mg/L	370	0.2	3/16/00 9:25	EPA 200.7	JJT
Calcium (D), as Ca, mg/L	410	0.2	4/ 5/00 16:09	EPA 200.7	JJT
Iron (T), as Fe, mg/L	< 0.02	0.02	3/16/00 9:25	EPA 200.7	JJT
Iron (D), as Fe, mg/L	< 0.02	0.02	3/16/00 9:25	EPA 200.7	JJT
Magnesium (T), as Mg, mg/L	230	0.2	3/16/00 9:25	EPA 200.7	JJT

Approved By:

*Amy Jo Portlock*  
 Amy Jo Portlock, QA Officer

MRL = Report detection limit



Date: 4/ 6/00

To: Sunnyside Cogeneration Assoc. Fac.  
 Attn. Rusty Netz  
 #1 Power Plant Road  
 Sunnyside, UT 84539

Group #: 36015  
 Lab #: 00-U001950  
 Project: BASELINE  
 Sample Desc: CRB  
 Sample Matrix: WATER  
 Date Sampled: 3/ 6/00  
 Date Submitted: 3/ 7/00

Time Sampled: 8:20  
 Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Magnesium (D), as Mg, mg/L	260	0.2	4/ 5/00 16:09	EPA 200.7	JJT
Manganese (T), as Mn, mg/L	< 0.01	0.01	3/16/00 9:25	EPA 200.7	JJT
Manganese (D), as Mn, mg/L	< 0.01	0.01	3/16/00 9:25	EPA 200.7	JJT
Potassium (D), as K, mg/L	18	0.2	3/16/00 9:25	EPA 200.7	JJT
Sodium (D), as Na, mg/L	440	0.2	4/ 5/00 16:09	EPA 200.7	JJT
Oil & Grease, mg/L	< 8	5	3/14/00 15:17	SM18 5520B	PNM
Cation Sum, meq/L	61.45				
Anion Sum, meq/L	62.79				
‡ Cation/Anion Difference,	1.07				
Temperature, Receiving, C	10.0		3/ 7/00 9:50		SS

NOTE: Sample not received on ice.

Approved By:

*Amy Jo Portlock*  
 Amy Jo Portlock, QA Officer

MRL = Report detection limit



Date: 4/ 6/00

To: Sunnyside Cogeneration Assoc. Fac.  
 Attn. Rusty Netz  
 #1 Power Plant Road  
 Sunnyside, UT 84539

Group #: 36015  
 Lab #: 00-U001952  
 Project: BASELINE  
 Sample Desc: F-2  
 Sample Matrix: WATER  
 Date Sampled: 3/ 6/00  
 Date Submitted: 3/ 7/00

Time Sampled: 9:10  
 Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Alkalinity, as Bicarbonate, mg/L	547	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, as Carbonate, mg/L	< 1	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, Total (CaCO3), mg/L	449	1	3/ 9/00 12:00	SM 2320B	TSM
Chloride, mg/L	29	1	3/ 9/00 17:20	EPA 325.3	TSM
Hardness, (calc), mg/L	470	10		CAL	
Hardness Index: Hard Water					
Settleable Solids, mL/L/hr	< 0.1	0.1	3/ 7/00 11:15	EPA 160.5	LPS
Sulfate, mg/L	383	100	3/ 8/00 10:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	1,120	10	3/ 9/00 14:00	EPA 160.1	LPS
Total Suspended Solids, mg/L	2	1	3/ 7/00 11:45	EPA 160.2	LPS
Calcium (T), as Ca, mg/L	66	0.2	3/16/00 9:25	EPA 200.7	JJT
Calcium (D), as Ca, mg/L	72	0.2	4/ 4/00 12:33	EPA 200.7	JJT
Iron (T), as Fe, mg/L	0.14	0.02	3/16/00 9:25	EPA 200.7	JJT
Iron (D), as Fe, mg/L	0.02	0.02	3/16/00 9:25	EPA 200.7	JJT
Magnesium (T), as Mg, mg/L	74	0.2	3/16/00 9:25	EPA 200.7	JJT

Approved By:

*Amy Jo Postlock*  
 Amy Jo Postlock, QA Officer

MRL = Report detection limit



Date: 4/ 6/00

To: Sunnyside Cogeneration Assoc. Fac.  
 Attn. Rusty Netz  
 #1 Power Plant Road  
 Sunnyside, UT 84539

Group #: 36015  
 Lab #: 00-U001952  
 Project: BASELINE  
 Sample Desc: F-2  
 Sample Matrix: WATER  
 Date Sampled: 3/ 6/00  
 Date Submitted: 3/ 7/00

Time Sampled: 9:10  
 Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Magnesium (D), as Mg, mg/L	82	0.2	4/ 4/00 12:33	EPA 200.7	JJT
Manganese (T), as Mn, mg/L	0.02	0.01	4/ 4/00 12:33	EPA 200.7	JJT
Manganese (D), as Mn, mg/L	0.01	0.01	4/ 4/00 12:33	EPA 200.7	JJT
Potassium (D), as K, mg/L	2.6	0.2	3/16/00 9:25	EPA 200.7	JJT
Sodium (D), as Na, mg/L	170	0.2	4/ 4/00 12:33	EPA 200.7	JJT
Oil & Grease, mg/L	< 6	6	3/14/00 15:17	SM18 5520B	PNM
Cation Sum, meq/L	17.80				
Anion Sum, meq/l	17.76				
‡ Cation/Anion Difference,	-0.13				
Temperature, Receiving, C	10.5		3/ 7/00 9:50		SS

NOTE: Sample not received on ice.

Approved By: *Amy Jo Portlock*  
 Amy Jo Portlock, QA Officer

MRL = Report detection limit



Date: 4/ 6/00

To: Sunnyside Cogeneration Assoc. Fac.  
Attn. Rusty Netz  
#1 Power Plant Road  
Sunnyside, UT 84539

Group #: 36015  
Lab #: 00-U001953  
Project: BASELINE  
Sample Desc: Well-1  
Sample Matrix: WATER  
Date Sampled: 3/ 6/00  
Date Submitted: 3/ 7/00

Time Sampled: 10:00  
Time Received: 9:50

## CERTIFICATE OF ANALYSIS

MINIMUM  
REPORTING

LIMIT DATE

(MRL) ANALYZED

PARAMETER

RESULT

METHOD

ANALYST

## INORGANIC PARAMETERS

PARAMETER	RESULT	MINIMUM REPORTING LIMIT (MRL)	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Alkalinity, as Bicarbonate, mg/L	517	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, as Carbonate, mg/L	< 1	1	3/ 9/00 12:00	SM 2320B	TSM
Alkalinity, Total (CaCO <sub>3</sub> ), mg/L	424	1	3/ 9/00 12:00	SM 2320B	TSM
Chloride, mg/L	18	1	3/ 9/00 17:20	EPA 325.3	TSM
Hardness, (calc), mg/l , 10	352	5		CAL	
Hardness Index: Hard Water					
Sulfate, mg/L	299	100	3/ 8/00 10:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	1,010	10	3/ 9/00 14:00	EPA 160.1	LPS
Calcium (T), as Ca, mg/L	57	0.2	3/16/00 9:25	EPA 200.7	JJT
Calcium (D), as Ca, mg/L	65	0.2	4/ 4/00 12:33	EPA 200.7	JJT
Iron (T), as Fe, mg/L	0.28	0.02	3/16/00 9:25	EPA 200.7	JJT
Iron (D), as Fe, mg/L	0.04	0.02	3/16/00 9:25	EPA 200.7	JJT
Magnesium (T), as Mg, mg/L	51	0.2	3/16/00 9:25	EPA 200.7	JJT
Magnesium (D), as Mg, mg/L	60	0.2	4/ 4/00 12:33	EPA 200.7	JJT
Manganese (T), as Mn, mg/L	< 0.01	0.01	4/ 4/00 12:33	EPA 200.7	JJT

Approved By:

*Amy Jo Portlock*  
Amy Jo Portlock QA Officer

MRL = Report detection limit

Page 7

{generic.rpt}

6100 SOUTH STRATLER  
SALT LAKE CITY UTAH 84107 6905  
801 262 7299 PHONE  
801 262 7378 FAX



Date: 4/ 6/00

To: Sunnyside Cogeneration Assoc. Fac.  
 Attn. Rusty Netz  
 #1 Power Plant Road  
 Sunnyside, UT 84539

Group #: 36015  
 Lab #: 00-U001953  
 Project: BASELINE  
 Sample Desc: Well-1  
 Sample Matrix: WATER  
 Date Sampled: 3/ 6/00  
 Date Submitted: 3/ 7/00

Time Sampled: 10:00  
 Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MINIMUM REPORTING		METHOD	ANALYST
		LIMIT (MRL)	DATE ANALYZED		
INORGANIC PARAMETERS					
Manganese (D), as Mn, mg/L	< 0.01	0.01	4/ 4/00 12:33	EPA 200.7	JJT
Potassium (D), as K, mg/L	2.4	0.2	3/16/00 9:25	EPA 200.7	JJT
Sodium (D), as Na, mg/L	150	0.2	4/ 4/00 12:33	EPA 200.7	JJT
Oil & Grease, mg/L	< 5	5	3/14/00 15:17	SM18 5520B	PNM
Cation Sum, meq/L	14.77				
Anion Sum, meq/l	15.21				
% Cation/Anion Difference,	1.46				
Temperature, Receiving, C	10.5		3/ 7/00 9:50		SS

NOTE: Sample not received on ice.

Approved By:

*Amy Jo Porflock*  
 Amy Jo Porflock, QA Officer

MRL = Report detection limit

# CHEMTECH - FORD, INC.

# ANALYSIS REQUEST FORM/CHARGE CUSTODY

COMPANY: SCA

ADDRESS: #1 Power Plant RD

CITY/STATE/ZIP: Sunnyside, Utah 84134

PHONE #: 888-4476 FAX #: 888-2538

COMPANY CONTACT: Rusty Holtz

PROJECT: Baseline

BILLING NAME:

BILLING ADDRESS:

P.O. #:

TURNAROUND REQUIRED: Rush

\*expedited turnaround subject to additional charge

Mark 'X' for copy to DEQ Div of Drinking Water

Lab ID#	SAMPLE IDENTIFICATION/LOCATION	SAMPLE DATE	SAMPLE TIME	MATRIX				ANALYTES REQUESTED
				Water: Drink, Waste, Ground (circle)	Soil / Solid (circle)	Sediment: Solid, Liquid (circle)	Solvent Other (specify)	
1950	CRB	3/6	820	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rush Order
1951	FCF-7	3/6	845	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1952	F-2	3/6	916	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1953	Well-2	3/6	1000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.								
6.								
7.								
8.								
9.								
10.								

Sampled by: (print)

Sampled by: (signature)

Sample Recieving Temperature: (C)  
NOT ON FILE

Special Instructions:

Relinquished by: (signature)  
Rusty Holtz

Relinquished by: (signature)  
S.P. Seymour

Relinquished by: (signature)

Date/Time

3/6/00 920

Date/Time

3-7-00 @ 9:50

Received by: (signature)

[Signature]

Received by: (signature)

[Signature]

Date/Time

3/6/00 9:50

Date/Time

3-7-00 @ 9:50

**SECOND QUARTER**

# TABLE 2

Sunnyside Cogeneration Facility  
Sunnyside, Utah

## Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: Second Quarter 2000  
Samples taken June 6, 2000

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Iceland Creek	ICE-1	15.3	8.26	1840	8.2	20	2
Columbia Dugway Spring	F-2	12.6	8.04	1800	7.9	30	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	13.3	7.73	4970	8.1	20	2
Dragerton Well	Well-1	13.4	7.25	1079	6.8	200	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:

na - no flow

NW - no water present

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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FAX: (435) 653-2436

July 13, 2000

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 1030  
SAMPLED 1000

Sample taken at

Sample taken by

Date sampled June 5, 2000

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received June 6, 2000

Analysis report no. 59-21323

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time/Analyst		
Alkalinity, Bicarbonate	485	5	mg/l as HCO <sub>3</sub>	EPA 310.1	06-19-2000 0825	AW	
Alkalinity, Carbonate	12	5	mg/l as CO <sub>3</sub>	EPA 310.1	06-19-2000 0825	AW	
Alkalinity, Total	418	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	06-19-2000 0825	AW	
Anions	18.9	----	meq/l	-----	06-26-2000 1200	MK	
Calcium, Dissolved	63	1	mg/l	EPA 215.1	06-14-2000 0830	MK	
Cations	18.3	----	meq/l	-----	06-26-2000 1200	MK	
Chloride	30	5	mg/l	EPA 300.0	06-19-2000 1505	RJ	
Hardness, Total	520	----	mg/l as CaCO <sub>3</sub>	SM2340-B	06-26-2000 1200	MK	
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-13-2000 0715	MK	
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	06-13-2000 0715	MK	
Magnesium, Dissolved	88	2	mg/l	EPA 242.1	06-14-2000 0945	MK	
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-13-2000 0830	MK	
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-13-2000 0830	MK	
Oil & Grease	<2	2	mg/l	EPA 413.1	07-02-2000 0730	MK	
Potassium, Dissolved	3	1	mg/l	EPA 258.1	06-13-2000 1000	MK	
Sodium, Dissolved	181	2	mg/l	EPA 273.1	06-13-2000 1100	MK	
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	06-06-2000 1130	MK	
Solids, Total Dissolved	1092	10	mg/l	EPA 160.1	06-12-2000 0900	SC	
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	06-12-2000 0900	SC	
Sulfate	465	5	mg/l	EPA 300.0	06-19-2000 1505	RJ	
Cation/Anion Balance	-1.5	----	%		06-26-2000 1200	MK	

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*RJ Cormier*

Huntington Laboratory



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

July 13, 2000

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:CRB

RECEIVED 1030  
SAMPLED 0910

Kind of sample Water  
reported to us

Sample taken at

Sample taken by

Date sampled June 5, 2000

Date received June 6, 2000

NOTES:  
DIS.METALS  
FILTERED @ LAB

Analysis report no. 59-21322

Parameter	Result	MRL	Units	Method	Analyzed				
					Date/Time/Analyst				
Alkalinity, Bicarbonate	367	5	mg/l	as HCO <sub>3</sub>	EPA 310.1	06-19-2000	0825	AW	
Alkalinity, Carbonate	<5	5	mg/l	as CO <sub>3</sub>	EPA 310.1	06-19-2000	0825	A	
Alkalinity, Total	308	5	mg/l	as CaCO <sub>3</sub>	EPA 310.1	06-19-2000	0825	A	
Anions	69.3	----	meq/l		-----	06-26-2000	1200	MK	
Calcium, Dissolved	474	5	mg/l		EPA 215.1	06-14-2000	0830	MK	
Cations	70.7	----	meq/l		-----	06-26-2000	1200	MK	
Chloride	125	10	mg/l		EPA 300.0	06-19-2000	1505	RJ	
Hardness, Total	2411	----	mg/l	as CaCO <sub>3</sub>	SM2340-B	06-26-2000	1200	MK	
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	06-13-2000	0715	MK	
Iron, Total	<0.1	0.1	mg/l		EPA 236.1	06-13-2000	0715	MK	
Magnesium, Dissolved	298	5	mg/l		EPA 242.1	06-14-2000	0945	MK	
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-13-2000	0830	MK	
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-13-2000	0830	MK	
Oil & Grease	<2	2	mg/l		EPA 413.1	07-02-2000	0730	MK	
Potassium, Dissolved	22	1	mg/l		EPA 258.1	06-13-2000	1000	MK	
Sodium, Dissolved	506	5	mg/l		EPA 273.1	06-13-2000	1100	MK	
Solids, Settleable	<0.4	0.4	ml/l		EPA 160.5	06-06-2000	1130	MK	
Solids, Total Dissolved	5109	10	mg/l		EPA 160.1	06-12-2000	0900	SC	
Solids, Total Suspended	<5	5	mg/l		EPA 160.2	06-12-2000	0900	SC	
Sulfate	2868	15	mg/l		EPA 300.0	06-19-2000	1505	RJ	
Cation/Anion Balance	1.1	----	%			06-26-2000	1200	MK	

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

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

July 13, 2000

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 1030  
SAMPLED 1030

Sample taken at

Sample taken by

Date sampled June 5, 2000

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received June 6, 2000

Analysis report no. 59-21321

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time/Analyst		
Alkalinity, Bicarbonate	532	5	mg/l as HCO <sub>3</sub>	EPA 310.1	06-19-2000	0825	AW
Alkalinity, Carbonate	14	5	mg/l as CO <sub>3</sub>	EPA 310.1	06-19-2000	0825	AW
Alkalinity, Total	459	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	06-19-2000	0825	AW
Anions	19.6	----	meq/l	-----	07-11-2000	1135	RJ
Calcium, Dissolved	82	1	mg/l	EPA 215.1	06-14-2000	0830	MK
Cations	18.8	----	meq/l	-----	07-11-2000	1135	RJ
Chloride	29	5	mg/l	EPA 300.0	06-19-2000	1505	RJ
Hardness, Total	559	----	mg/l as CaCO <sub>3</sub>	SM2340-B	07-11-2000	1135	RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	06-13-2000	0715	MK
Iron, Total	0.3	0.1	mg/l	EPA 236.1	06-13-2000	0715	MK
Magnesium, Dissolved	86	2	mg/l	EPA 242.1	06-14-2000	0945	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	06-13-2000	0830	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	06-13-2000	0830	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	07-02-2000	0730	MK
Potassium, Dissolved	3	1	mg/l	EPA 258.1	06-13-2000	1000	MK
Sodium, Dissolved	173	2	mg/l	EPA 273.1	06-13-2000	1100	MK
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	06-06-2000	1130	MK
Solids, Total Dissolved	1115	10	mg/l	EPA 160.1	06-12-2000	0900	SC
Solids, Total Suspended	5	5	mg/l	EPA 160.2	06-12-2000	0900	SC
Sulfate	453	5	mg/l	EPA 300.0	06-19-2000	1505	RJ
Cation/Anion Balance	-2.3	----	%		07-11-2000	1135	RJ

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*R.D. Cornie*

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July 13, 2000

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 1030  
SAMPLED 1100

Sample taken at

Sample taken by

Date sampled June 5, 2000

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received June 6, 2000

Analysis report no. 59-21320

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	489	5	mg/l	as HCO <sub>3</sub>	EPA 310.1	06-19-2000 0825	AW
Alkalinity, Carbonate	<5	5	mg/l	as CO <sub>3</sub>	EPA 310.1	06-19-2000 0825	
Alkalinity, Total	401	5	mg/l	as CaCO <sub>3</sub>	EPA 310.1	06-19-2000 0825	
Anions	13.2	----	meq/l		-----	06-26-2000 1200	MK
Calcium, Dissolved	60	1	mg/l		EPA 215.1	06-14-2000 0830	MK
Cations	13.0	----	meq/l		-----	06-26-2000 1200	MK
Chloride	12	5	mg/l		EPA 300.0	06-19-2000 1505	RJ
Hardness, Total	356	----	mg/l	as CaCO <sub>3</sub>	SM2340-B	06-26-2000 1200	MK
Iron, Dissolved	<0.1	0.1	mg/l		EPA 236.1	06-13-2000 0715	MK
Iron, Total	0.2	0.1	mg/l		EPA 236.1	06-13-2000 0715	MK
Magnesium, Dissolved	50	1	mg/l		EPA 242.1	06-14-2000 0945	MK
Manganese, Total	<0.1	0.1	mg/l		EPA 243.1	06-13-2000 0830	MK
Manganese, Dissolved	<0.1	0.1	mg/l		EPA 243.1	06-13-2000 0830	MK
Oil & Grease	<2	2	mg/l		EPA 413.1	07-02-2000 0730	MK
Potassium, Dissolved	2	1	mg/l		EPA 258.1	06-13-2000 1000	MK
Sodium, Dissolved	135	2	mg/l		EPA 273.1	06-13-2000 1100	MK
Solids, Total Dissolved	759	10	mg/l		EPA 160.1	06-12-2000 0900	SC
Sulfate	232	5	mg/l		EPA 300.0	06-19-2000 1505	RJ
Cation/Anion Balance	-0.6	----	%			06-26-2000 1200	MK

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*RJ Corney*

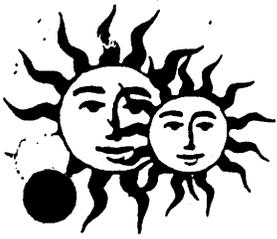
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**THIRD QUARTER**



## Sunnyside Cogeneration Associates

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

October 15, 2000

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: Mr. Ken Wyatt

Subject: Quarterly Sampling Report  
Monitoring Period: July, August, & September, 2000  
DOGM Operational Water Monitoring

Dear Ken:

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

Sunnyside Cogeneration Facility  
Sunnyside, Utah

## Field Parameter Data

DOG M Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: Third Quarter 2000  
Samples taken September 11, 2000

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Iceland Creek	ICE-1	19.8	8.15	1585	8	15	2
Columbia Dugway Spring	F-2	19.2	7.92	1580	8.9	20	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	15.1	8.75	5060	9.1	15	2
Dragerton Well	Well-1	14.7	7.88	1380	9	250	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

### Notes:

- na - no flow
- NW - no water present
- 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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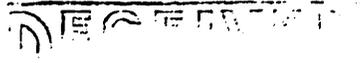


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October 10, 2000



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

*Anna Carney*

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:SCA\_F2

Kind of sample Water  
reported to us

RECEIVED 1200  
SAMPLED 1100

Sample taken at

FIELD MEASUREMENTS

Sample taken by Sunnyside Cogeneration Assoc.

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date sampled September 11, 2000

Date received September 12, 2000

Analysis report no. 59-21807

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time/Analyst	
Alkalinity, Bicarbonate	590	5	mg/l as HCO <sub>3</sub>	EPA 310.1	09-20-2000 0920	AW
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	09-20-2000 0920	AW
Alkalinity, Total	484	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	09-18-2000 1415	AW
Anions	18.7	----	meq/l	-----	10-10-2000 1200	RJ
Calcium, Dissolved	73	1	mg/l	EPA 215.1	10-04-2000 0645	MK
Cations	18.2	----	meq/l	-----	10-10-2000 1200	RJ
Chloride	17	3	mg/l	EPA 300.0	09-13-2000 0858	RJ
Hardness, Total	520	----	mg/l as CaCO <sub>3</sub>	SM2340-B	10-10-2000 1200	RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-28-2000 0800	MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-28-2000 0800	MK
Magnesium, Dissolved	82	2	mg/l	EPA 242.1	10-04-2000 0930	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	10-02-2000 0800	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	10-02-2000 0800	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2000 0900	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	10-03-2000 0800	MK
Sodium, Dissolved	177	2	mg/l	EPA 273.1	10-06-2000 0900	MK
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	09-12-2000 1415	SC
Solids, Total Dissolved	1096	10	mg/l	EPA 160.1	09-13-2000 1515	AW
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	09-13-2000 1510	AW
Sulfate	265	3	mg/l	EPA 300.0	09-13-2000 0858	RJ
Cation/Anion Balance	-1.4	----	%		10-10-2000 1200	RJ

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*R.J. Carmichael*

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FAX: (435) 653-2436

October 10, 2000

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:SCA ICE\_1

Kind of sample Water  
reported to us

RECEIVED 1200

SAMPLED 1130

FIELD MEASUREMENTS

Sample taken at

NOTES:

DIS.METALS

FILTERED @ LAB

Sample taken by Sunnyside Cogeneration Assoc.

Date sampled September 11, 2000

Date received September 12, 2000

Analysis report no. 59-21808

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time	Analyst
Alkalinity, Bicarbonate	517	5	mg/l as HCO <sub>3</sub>	EPA 310.1	09-20-2000 0920	AW
Alkalinity, Carbonate	15	5	mg/l as CO <sub>3</sub>	EPA 310.1	09-20-2000 0920	AW
Alkalinity, Total	448	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	09-18-2000 1415	AW
Anions	19.0	----	meq/l	-----	10-10-2000 1200	RJ
Calcium, Dissolved	53	1	mg/l	EPA 215.1	10-04-2000 0645	MK
Cations	18.2	----	meq/l	-----	10-10-2000 1200	RJ
Chloride	29	3	mg/l	EPA 300.0	09-13-2000 0858	RJ
Hardness, Total	486	----	mg/l as CaCO <sub>3</sub>	SM2340-B	10-10-2000 1200	RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-28-2000 0800	MK
Iron, Total	0.4	0.1	mg/l	EPA 236.1	09-28-2000 0800	MK
Magnesium, Dissolved	86	2	mg/l	EPA 242.1	10-04-2000 0930	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	10-02-2000 0800	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	10-02-2000 0800	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2000 0900	SC
Potassium, Dissolved	4	1	mg/l	EPA 258.1	10-03-2000 0800	MK
Sodium, Dissolved	193	2	mg/l	EPA 273.1	10-06-2000 0900	MK
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	09-12-2000 1415	SC
Solids, Total Dissolved	1107	10	mg/l	EPA 160.1	09-13-2000 1515	AW
Solids, Total Suspended	27	5	mg/l	EPA 160.2	09-13-2000 1510	AW
Sulfate	440	3	mg/l	EPA 300.0	09-13-2000 0858	RJ
Cation/Anion Balance	-2.0	----	%		10-10-2000 1200	RJ

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

Huntington Laboratory



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TERMS AND CONDITIONS ON REVERSE



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-9300 FAX: 630-953-9306

SINCE 1908



Member of the SGS Group (Société Générale de Surveillance)

Committed To Excellence

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

October 10, 2000

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

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:CRB

RECEIVED 1200  
SAMPLED 1200  
FIELD MEASUREMENTS

NOTES:  
DIS.METALS  
FILTERED @ LAB

Kind of sample Water  
reported to us

Sample taken at

Sample taken by Sunnyside Cogeneration Assoc.

Date sampled September 11, 2000

Date received September 12, 2000

Analysis report no. 59-21809

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time/Analyst	
Alkalinity, Bicarbonate	418	5	mg/l as HCO <sub>3</sub>	EPA 310.1	09-20-2000 0920	AW
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	09-20-2000 0920	AW
Alkalinity, Total	343	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	09-18-2000 1415	AW
Anions	74.6	----	meq/l	-----	10-10-2000 1200	RJ
Calcium, Dissolved	449	5	mg/l	EPA 215.1	10-04-2000 0645	MK
Cations	69.1	----	meq/l	-----	10-10-2000 1200	RJ
Chloride	140	20	mg/l	EPA 300.0	09-13-2000 0858	RJ
Hardness, Total	2328	----	mg/l as CaCO <sub>3</sub>	SM2340-B	10-10-2000 1200	RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-28-2000 0800	MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	09-28-2000 0800	MK
Magnesium, Dissolved	293	5	mg/l	EPA 242.1	10-04-2000 0930	MK
Manganese, Total	0.2	0.1	mg/l	EPA 243.1	10-02-2000 0800	MK
Manganese, Dissolved	0.1	0.1	mg/l	EPA 243.1	10-02-2000 0800	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2000 0900	SC
Potassium, Dissolved	22	1	mg/l	EPA 258.1	10-03-2000 0800	MK
Sodium, Dissolved	507	5	mg/l	EPA 273.1	10-06-2000 0900	MK
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	09-12-2000 1415	SC
Solids, Total Dissolved	5215	10	mg/l	EPA 160.1	09-13-2000 1515	AW
Solids, Total Suspended	5	5	mg/l	EPA 160.2	09-13-2000 1510	AW
Sulfate	3065	20	mg/l	EPA 300.0	09-13-2000 0858	RJ
Cation/Anion Balance	-3.8	----	%		10-10-2000 1200	RJ

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*R. J. Cormier*

Huntington Laboratory



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

TERMS AND CONDITIONS ON REVERSE



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-853-9300 FAX: 630-853-8306



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**Committed To Excellence**

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

March 20, 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 1200  
SAMPLED 1000  
FIELD MEASUREMENTS

Sample taken at

NOTES:  
DIS.METALS  
FILTERED @ LAB

Sample taken by Sunnyside Cogeneration Assoc.

Date sampled September 11, 2000

Date received September 12, 2000

Analysis report no. 59-21810

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	482	5	mg/l	as HCO <sub>3</sub> EPA 310.1	09-18-2000	1415	AW
Alkalinity, Carbonate	<5	5	mg/l	as CO <sub>3</sub> EPA 310.1	09-18-2000	1415	AW
Alkalinity, Total	395	5	mg/l	as CaCO <sub>3</sub> EPA 310.1	09-18-2000	1415	AW
Anions	13.8	----	meq/l	-----	10-10-2000	1200	RJ
Calcium, Dissolved	60	1	mg/l	EPA 215.1	10-04-2000	0645	MK
Cations	13.3	----	meq/l	-----	10-10-2000	1200	RJ
Chloride	16	3	mg/l	EPA 300.0	09-13-2000	0858	RJ
Hardness, Total	372	----	mg/l	as CaCO <sub>3</sub> SM2340-B	10-10-2000	1200	RJ
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	09-28-2000	0800	MK
Iron, Total	0.4	0.1	mg/l	EPA 236.1	09-28-2000	0800	MK
Magnesium, Dissolved	54	1	mg/l	EPA 242.1	10-04-2000	0930	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	10-02-2000	0800	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	10-02-2000	0800	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	09-27-2000	0900	SC
Potassium, Dissolved	3	1	mg/l	EPA 258.1	10-03-2000	0800	MK
Sodium, Dissolved	134	2	mg/l	EPA 273.1	10-06-2000	0900	MK
Solids, Total Dissolved	788	10	mg/l	EPA 160.1	09-13-2000	1515	AW
Sulfate	264	3	mg/l	EPA 300.0	09-13-2000	0858	RJ
Cation/Anion Balance	-1.9	----	%		10-10-2000	1200	RJ

**COPY**

**FAXED**

3-20-01

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*[Signature]*  
Huntington Laboratory



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

**FOURTH QUARTER**



## Sunnyside Cogeneration Associates

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

January 17, 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: Mr. Ken Wyatt

Subject: Quarterly Sampling Report  
Monitoring Period: October, November, December, 2000  
DOGM Operational Water Monitoring

Dear Ken:

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**  
DOG M Permit Boundary Water Quality Monitoring Plan  
Monitoring Period: Fourth Quarter 2000  
Samples taken November 27, 2000

Monitoring Location	Location	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	NW/F	NW/F	NW/F	NW/F	NW/F	2
Columbia Dugway Spring	F-2	2.3	8.01	1490	8.6	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	2	7.91	1295	9.1	250	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

**Notes:**

- na - no flow
- NW - no water present
- NW/F - no water present frozen
- nd - data is not available due to lack of discharge
- 1 - Flow rates were measured using a weir.
- 2 - Flow rates were measured using a calibrated container and stopwatch method.
- 3 - Flow rates were measured using the floating debris method.
- 4 - Flow rates were measured using a meter



# COMMERCIAL TESTING & ENGINEERING CO.

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SINCE 1908



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

January 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 1300  
SAMPLED 1100

Sample taken at

Sample taken by

Date sampled November 27, 2000

NOTES:  
DIS.METALS  
FILTERED @ LAB

Date received November 28, 2000

Analysis report no. 59-22220

Parameter	Result	MRL	Units	Method	Analyzed	
					Date/Time	Analyst
Alkalinity, Bicarbonate	489	5	mg/l	as HCO <sub>3</sub> EPA 310.1	12-01-2000 1430	AW
Alkalinity, Carbonate	<5	5	mg/l	as CO <sub>3</sub> EPA 310.1	12-01-2000 1430	AW
Alkalinity, Total	400	5	mg/l	as CaCO <sub>3</sub> EPA 310.1	12-01-2000 1430	AW
Anions	13.7	----	meq/l	-----	01-09-2001 1000	SC
Calcium, Dissolved	61	1	mg/l	EPA 215.1	01-05-2001 0715	MK
Cations	13.6	----	meq/l	-----	01-09-2001 1000	SC
Chloride	16	1	mg/l	EPA 300.0	12-18-2000 0904	SC
Hardness, Total	379	----	mg/l	as CaCO <sub>3</sub> SM2340-B	01-09-2001 1000	SC
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	01-05-2001 0215	MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	01-05-2001 0215	MK
Magnesium, Dissolved	55	1	mg/l	EPA 242.1	01-05-2001 0815	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	01-05-2001 0345	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	01-05-2001 0345	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	12-20-2000 0915	AW
Potassium, Dissolved	3	1	mg/l	EPA 258.1	01-05-2001 0500	MK
Sodium, Dissolved	138	5	mg/l	EPA 273.1	01-05-2001 0545	MK
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	11-29-2000 0900	AW
Solids, Total Dissolved	786	10	mg/l	EPA 160.1	11-30-2000 1045	AW
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	11-30-2000 1045	AW
Sulfate	250	1	mg/l	EPA 300.0	12-18-2000 0904	SC
Cation/Anion Balance	-0.1	----	%		01-09-2001 1000	SC

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



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ADDRESS ALL CORRESPONDENCE TO  
P.O. BOX 102  
HUNTINGTON, UT 84528  
TEL: (435) 653-2311  
FAX: (435) 653-2436

January 11, 2001

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

RECEIVED

Sample identification by  
Sunnyside Cogeneration Assoc.

ID:F-2

Kind of sample Water  
reported to us

JAN 12 2001

RECEIVED 1300

SAMPLED 1030

Sample taken at

*Anna Carney*  
Anna Carney

Sample taken by

Date sampled November 27, 2000

NOTES:

DIS.METALS

FILTERED @ LAB

Date received November 28, 2000

Analysis report no. 59-22219

Parameter	Result	MRL	Units	Method	Analyzed		
					Date/Time	Analyst	
Alkalinity, Bicarbonate	591	5	mg/l as HCO <sub>3</sub>	EPA 310.1	12-01-2000	1430	AW
Alkalinity, Carbonate	<5	5	mg/l as CO <sub>3</sub>	EPA 310.1	12-01-2000	1430	AW
Alkalinity, Total	484	5	mg/l as CaCO <sub>3</sub>	EPA 310.1	12-01-2000	1430	AW
Anions	19.6	----	meq/l	-----	01-09-2001	1000	SC
Calcium, Dissolved	80	1	mg/l	EPA 215.1	01-05-2001	0715	MK
Cations	19.8	----	meq/l	-----	01-09-2001	1000	SC
Chloride	29	5	mg/l	EPA 300.0	12-18-2000	0904	SC
Hardness, Total	579	----	mg/l as CaCO <sub>3</sub>	SM2340-B	01-09-2001	1000	SC
Iron, Dissolved	<0.1	0.1	mg/l	EPA 236.1	01-05-2001	0215	MK
Iron, Total	<0.1	0.1	mg/l	EPA 236.1	01-05-2001	0215	MK
Magnesium, Dissolved	92	2	mg/l	EPA 242.1	01-05-2001	0815	MK
Manganese, Total	<0.1	0.1	mg/l	EPA 243.1	01-05-2001	0345	MK
Manganese, Dissolved	<0.1	0.1	mg/l	EPA 243.1	01-05-2001	0345	MK
Oil & Grease	<2	2	mg/l	EPA 413.1	12-20-2000	0915	AW
Potassium, Dissolved	5	1	mg/l	EPA 258.1	01-05-2001	0500	MK
Sodium, Dissolved	187	2	mg/l	EPA 273.1	01-05-2001	0545	MK
Solids, Settleable	<0.4	0.4	ml/l	EPA 160.5	11-29-2000	0900	AW
Solids, Total Dissolved	1178	10	mg/l	EPA 160.1	11-30-2000	1045	AW
Solids, Total Suspended	<5	5	mg/l	EPA 160.2	11-30-2000	1045	AW
Sulfate	436	5	mg/l	EPA 300.0	12-18-2000	0904	SC
Cation/Anion Balance	0.6	----	%		01-09-2001	1000	SC

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*[Signature]*  
Huntington Laboratory



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

F-465

Original Watermarked For Your Protection

TERMS AND CONDITIONS ON REVERSE



## **APPENDIX B-4 MINED QUANTITIES**

2000 Mined Quantities							
Month	Coarse (tons)	Silt (tons)	Total (tons)	Quarter Sum (tons)	Refuse Rejects (tons)	Spoil Pile #1 (cubic yards)	Spoil Pile #2 (cubic yards)
January	31,520	10,146	41,666	125,903	1,932	250	7,500
February	28,964	10,766	39,730		2,771		
March	33,209	11,298	44,507		3,755		
April	22,595	7,894	30,489	112,425	1,714	0	4,000
May	28,617	10,528	39,145		1,094		
June	34,639	8,152	42,791		3,345		
July	42,703	2,451	45,154	117,536	2,479	0	6000-6500
August	42,881	142	43,023		3,865		
September	28,787	572	29,359		1,932		
October	42,161	0	42,161	126,807	3,464	0	8,000
November	40,816	0	40,816		2,370		
December	43,015	815	43,830		802		
<b>TOTAL</b>	<b>419,907</b>	<b>62,764</b>	<b>482,671</b>	<b>482,671</b>	<b>29,523</b>	<b>250</b>	<b>25,500-26,000</b>

Month	Other Offsite Fuels Delivered to Plant		
	Wellington Fuel (tons)	Savage Coal Terminal Fuel (tons)	Diluted Coal Tar (tons)
June	9732		
July	17692		
August	25820		
September	20976		
October	24531		
November	3333	21520	
December		22704	1131
<b>TOTAL</b>	<b>102084</b>	<b>44224</b>	<b>1131</b>
<b>COMBINED TOTAL</b>	<b>148453</b>	<b>1014</b>	<b>1131</b>



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



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1818 SOUTH HIGHLAND AVE., SUITE 210-R, LOMBARD, ILLINOIS 60148 • TEL: 830-853-8300 FAX: 830-853-8306

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

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	Krusty	From	Laura		
Co./Dept.		Co.	CITE Denver		
Phone #		Phone #			
Fax #		Fax #			

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*E. Reginald Jones*  
Denver Laboratory

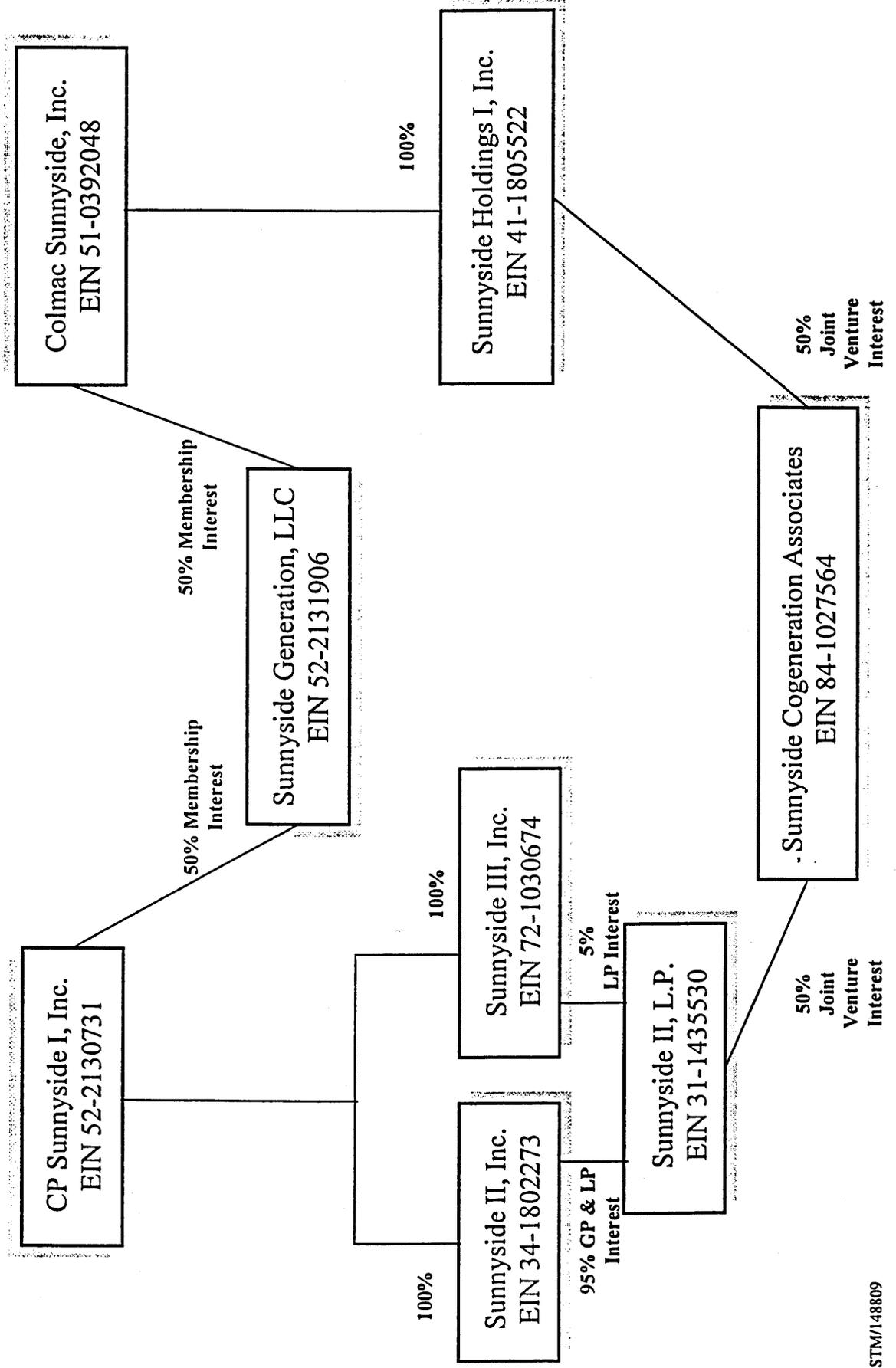


MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



**APPENDIX C**  
**ANNUAL REPORT OF OFFICERS**

# Sunnyside Organization Chart as of 10/21/99





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>

03/21/2001  
2113550-018103212001-91632

---

## CERTIFICATE OF EXISTENCE

Registration Number: 2113550-0181  
Business Name: SUNNYSIDE II, L.P.  
Registered Date: 12/30/1994  
Foreign or Domestic: Limited Partnership - Foreign  
Current Status: Active

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.



*Ric Campbell*

Ric Campbell  
Acting Division Director 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  
Service Center: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web site: <http://www.commerce.state.ut.us>

03/21/2001  
1215877-014303212001-91630

---

## CERTIFICATE OF EXISTENCE

Registration Number: 1215877-0143  
Business Name: SUNNYSIDE HOLDINGS I, INC.  
Registered Date: 12/30/1994  
Foreign or Domestic: Corporation - Foreign - Profit  
Current Status: Active

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.



*Ric Campbell*

Ric Campbell  
Acting Division Director 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  
 In person: 160 East 300 South, 1st Floor  
 Salt Lake City, Utah 84111  
 Fax: (801) 530-6111  
 Web site: <http://www.commerce.state.ut.us>



**PROFIT CORPORATION ANNUAL REPORT**

**THIS FORM MUST BE COMPLETED IN FULL** All profit corporations must file their annual reports and corrections within the month of their anniversary date. Failure to do so will result in Delinquency, Revocation or Involuntary Dissolution of the corporate charter.

CORPORATION FILE # 171277 INCORPORATED OR QUALIFIED DATE 12 / 1994  
MONTH YEAR

1. CORPORATE NAME SUNNYSIDE HOLDINGS I, INC.  
 2. REGISTERED AGENT C T CORPORATION SYSTEM  
 3. REGISTERED OFFICE ADDRESS 50 W BROADWAY 8TH FLOOR NEW AGENT MUST SIGN ABOVE  
 4. CITY, STATE & ZIP SALT LAKE CITY UTAH 84101-2006  
STREET ADDRESS REQUIRED REGISTERED AGENT MUST BE IN UTAH

**WHEN CHANGING THE REGISTERED AGENT THE NEW AGENT MUST SIGN.**  
 5. INCORPORATED IN THE STATE AND UNDER THE LAWS OF DELAWARE

6. ADDRESS OF THE PRINCIPAL OFFICE IN THE HOME STATE.  
103 SPRINGER BLDG 3411 SILVERSIDE ROAD  
(Street Address) (State or Country)  
WILMINGTON DE 19810  
(City) (ZIP)

7. BUSINESS PURPOSE:  
**DOMESTIC, PROFIT CORPORATIONS ARE REQUIRED TO LIST A CORPORATE OFFICER.**

**OFFICERS**

8. ~~SECRETARY~~ Chairman, CEO Willis S. McLeese  
ADDRESS 103 Springer Bldg 3411 Silverside Road  
CITY Wilmington STATE DE ZIP 19810

9. ~~SECRETARY~~ PRESIDENT Greg Lawyer  
ADDRESS Same as Above  
CITY Wilmington STATE DE ZIP 19810

10. ~~SECRETARY~~ Chief Financial Officer Robert S. McLeese  
ADDRESS Same as Above  
CITY Wilmington STATE DE ZIP 19810

11. TREASURER \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 Utah Div. Of Corp. & Comm. Code

**ALL DOMESTIC CORPORATIONS MUST LIST THREE (3) DIRECTORS, UNLESS THEY FALL UNDER THE EXCEPTIONS STATED IN SECTION 16-10a-803(1)(b)(i) or (ii).**

**DIRECTORS**

12. DIRECTOR Willis S. McLeese  
ADDRESS Same as Above  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

13. DIRECTOR Greg Lawyer  
ADDRESS Same as Above  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

14. DIRECTOR \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Under penalties of perjury and as an authorized officer, I declare that this annual report and, if applicable, the statement change of registered office and/or agent, has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete.

15. BY [Signature] MUST BE SIGNED BY A CORPORATE OFFICER 03/30/2000  
 16. President Receipt Number: 6352  
(Title or Position)  
 17. March 27, 2000 Amount Paid: \$10.00  
(Date)

IF THERE ARE NO CHANGES FROM THE PREVIOUS YEAR, AND YOU HAVE ALL CORPORATE REQUIREMENTS FILLED PERTAINING TO OFFICER, AND DIRECTOR INFORMATION YOU MAY COMPLETE THE COUPON BELOW, DETACH IT FROM THIS FORM, AND RETURN IT TO OUR OFFICE WITH YOUR PAYMENT.



## **APPENDIX D MINE MAP**