

Sunnyside Cogeneration Associates

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

Only 1 copy

January 30, 2001

Daron Haddock
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 2000 Inspection Report

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 2000 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil area. The inspection was performed by a professional engineer from Psomas and Associates Engineering.

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

Sincerely,

Agent For
Sunnyside Cogeneration Associates

Randy J. Scott
Plant Manager

Enclosure

c.c. Bill Malencik/Division of Oil, Gas & Mining
Plant File

Artificial
[Large scribbled signature]
ACT/007/035
[Signature]

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
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	
<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 out slopes 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.

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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	
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CERTIFIED REPORT

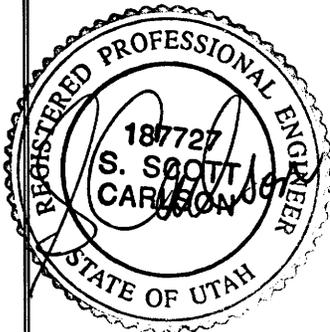
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
<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>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Railcut Pond

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

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

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: _____

Date: 12/27/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	
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CERTIFIED REPORT

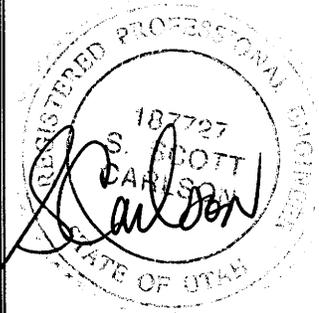
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

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

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
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	
<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.

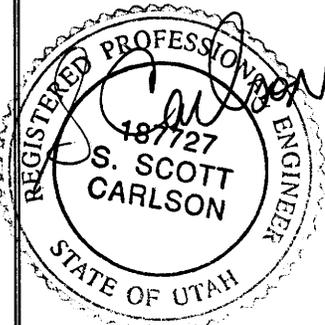
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure 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		
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: <u>S. Scott Carlson, P.E. Project Director</u> Signature: <u><i>S. Scott Carlson</i></u> Date: <u>12/27/00</u> P.E. Number & State: <u>187727 - UT</u>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
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	
<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 = 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>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Pond

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

Pond 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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	
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CERTIFIED REPORT

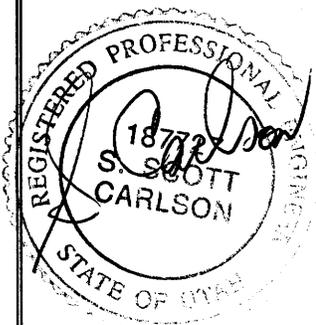
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
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	
<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: _____



Date: 12/27/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	
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CERTIFIED REPORT

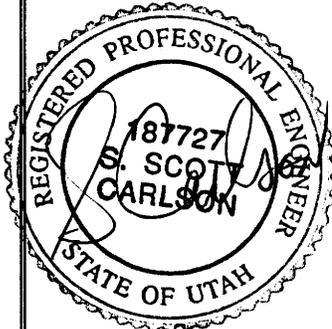
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
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	
<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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	
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CERTIFIED REPORT

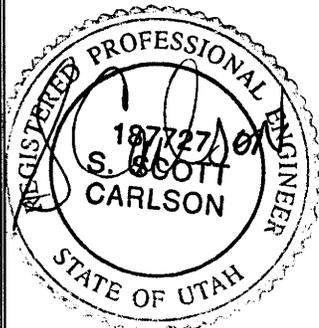
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
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	
<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 = 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>		

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 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

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 Director

Signature: *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
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.

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.

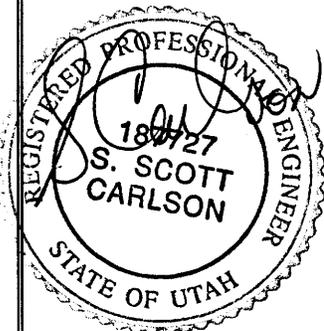
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

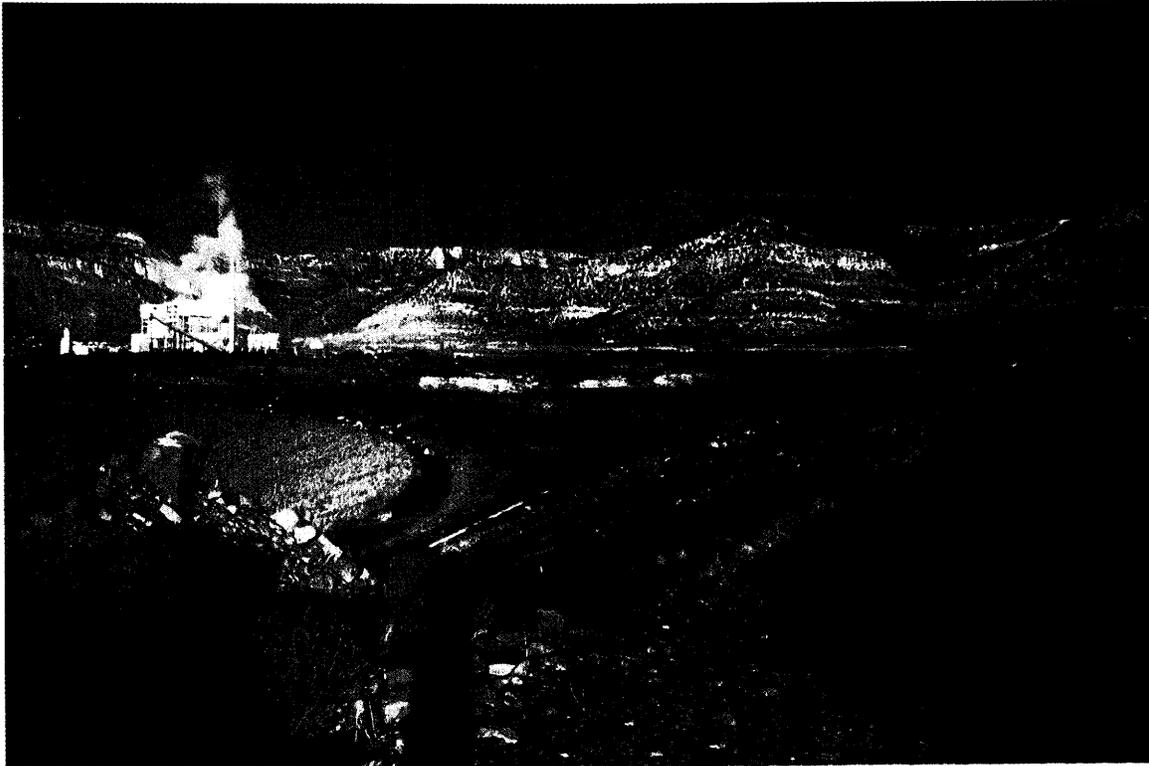


By: S. Scott Carlson - Project Director
(Full Name and Title)

Signature: _____

Date: 12/27/00

P.E. Number & State: 187727 - UT



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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry 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	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	
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	
<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	
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CERTIFIED REPORT

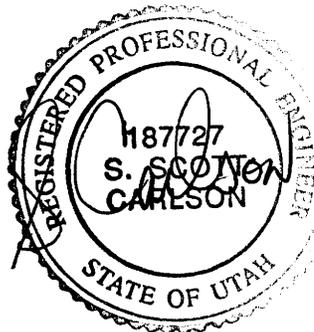
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		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	
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	
<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: 12/27/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	West Cell	
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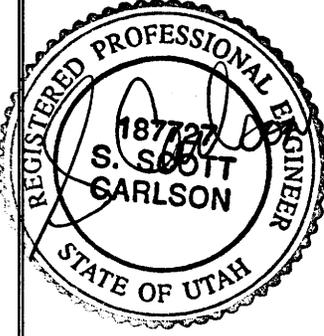
CERTIFIED REPORT

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

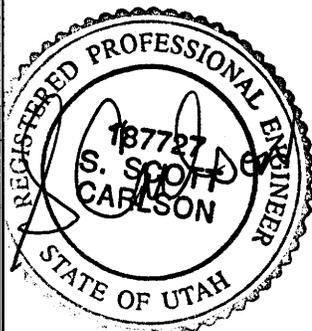
7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement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

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
Ec mmhos/cm @ 25 °C	Good	Poor	Good	Fair
Saturation %	Good	Good	Good	Good
Texture	Fair	Good	Good	Good
SAR	Good	Good	Fair	Good
Selenium	Good	Unacceptable	Good	Good
Boron	Good	Unacceptable	Good	Good
Acid / Base Potential	Good	Unacceptable	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, vfst, 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 ₃ / 1,000 tons material			< -5 tons CaCO ₃ / 1,000 tons material



COMMERCIAL TESTING & ENGINEERING CO.

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SINCE 1904



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Committed To Excellence

ADDRESS ALL CORRESPONDENCE TO:
4665 PARIS STREET
SUITE 8-200
DENVER, CO 80239
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: SPOILS #1 E

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 72-00758-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLPSCW390, 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
From	[Signature]		
Co.	RT&E ENGINEERING		
Phone #	[Blank]		
Fax #	[Blank]		

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

[Signature]

Denver Laboratory



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

CONDITIONS ON REVERSE



COMMERCIAL TESTING & ENGINEERING CO.

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Member of the SSS (Soils Study Society) Sustainable Surveillance

PLEASE ADDRESS ALL CORRESPONDENCE TO:
4825 PAVIS, R 2W, DENVER, CO 80239
TEL: (303) 373-4772
FAX: (303) 373-4781

March 8, 2000

SUNNYSIDE COGNARRATION SOIL

Location : SECTION #1 RASTORFING :
Surface Elevation : Feetting :

Lab No.	Total		NO-NITRA	
	Organic Matter %	Carbonates	Coarse Fragment	Selenium ppm
72-00758-1	8.83	98.8	0.04	0.07

Method Ref.: Wyoming D.S.G.. Land Quality Division guideline No. 1, Topsoil And Overburden Rules Update/8-98

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. David Jones
Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL & OIL AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVEN LOADING FACILITIES
F-457 Original Watermarked For Your Protection TERMS AND CONDITIONS ON REVERSE



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GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, Lombard, ILLINOIS 60148 • TEL: 708-953-9300 FAX: 708-953-8308



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4855 PARIS, B 210, DENVER, CO 80239
TEL: (303) 373-4772
FAX: (303) 373-4701

March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location: 1 RINDS #1 RASSTREILING
Surfaced Material: Raveling

Lab No.	Depth	Total Organic Carbon %	Total Sulfur %	T.S. AP	Hept. Sol. c/1000c	I.S. NBR. c/1000c	Py+Org Solifire %	Py+Org AP c/1000c	Py+Org NBR c/1000c	Notes
72-00758-1		1.12	35.0	88.3	53.3					

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

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

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Reginal Jones
Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COUNTRIES
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ARIZONA, IDAHO, IOWA AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES
TEXAS AND EXHIBITIONS BY REQUEST



SINCE 1909

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Member of the SES Group (Society of Environmental & Surveyors)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
4665 PAVIS, B 214, DENVER, CO 80279
TEL: (303) 378-4772
FAX: (303) 378-4721

SUNNYSIDE COGENERATION SOIL

Location : SPILLS #1 REPAIRING :
Surface Elevation : Fasting :

Lab No.	Depth	Milligrams				Micrograms		Notes
		Asbestos ppm	Nitrogen ppm	Boron ppm	Molybdenum ppm	Selenium ppm	Selenium ppm	
72-00758-1			4.25	1.66		0.01	0.07	

Method Ref.: Wyoming D.S.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/
Spill Material, University of Wyoming, College of Agriculture, Bulletin NP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. J. Jovan
Denver Laboratory



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TRMS AND COMMENTS ON REVERSE

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



COMMERCIAL TESTING & ENGINEERING CO.
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CSRS Member of the RUS Group (Soil & Groundwater Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
 4885 PANIS, R 209, DENVER, CO 80229
 TEL: (303) 378-4772
 FAX: (303) 371-4781

MARCH 9, 2000

SUNNYBROOK-EGGERSMONTION SOIL

Location : SPOILS #1 RESTORATION
 Surface Elevation : Feeting :

Lab No.	Depth	EC - Saturation		Calcium	Magnesium	Sodium	Particle Size			Texture	Notes
		mbars/cm	%				mg/l	mg/l	mg/l		
72-00758-1	7.36	2.50	20.0	12.0	12.4	5.26	1.50	0.2	8	10	LOAMY SAND

Method Ref.: Wyoming D.E.O., Land Quality Division Guideline No. 1, Topsoil and Overburden Rules Update/9-94

Standard Operating Procedures for the Sampling and Analysis of Sediment in Soil and Overburden/
 Spoil Material, University of Wyoming, College of Agriculture, Ballwin WF-82, March 1994.

Respectfully submitted,
 COMMERCIAL TESTING & ENGINEERING CO.

E. Reginal Jones
 Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL CORNERS, TIDENAVEN AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES
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SUITE B-200
DENVER, CO 80238
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: SPOILS #1 C

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 72-00759-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLPSCW190, PART-F, D-98	97.96	%
Cation Exchange Capacity (CEC)	USDA No. 63 (19)	8.7E	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	%

Reanalytically submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. J. Jones
Denver Laboratory





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FAX: (303) 373 4791

March 8, 2008

SUNNYSIDE COGENERATION SOIL

Location : GEORGE #1 CHIMNEY
Surface Elevation :
Sampling :

Lab No.	Depth	pH	Temp/°C @ 25°C	Saturation %	Calcium mg/L	Magnesium mg/L	Sodium mg/L	Particle Size			Texture Class	Notes	
								Sand %	Silt %	Clay %			
72-00759-1		6.91	12.24	36.6	21.2	273.	10.8	0.55	82	5	12	SANDY LOAM	

Method Ref.: Wyoming D.X.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/
Soil Material, University of Wyoming, College of Agriculture, Bulletin AG-87, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Jeffrey Jones
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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March 8, 2000

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SUNNYSIDE COGENERATION SOIL

Location : SHELLS #1 CENTER No. 1 Mining :
Surface Elevation : Rating :

Lab No.	Depths	Total		T.S.		Kant.		T.S.		Py:Org		Py:Org		Notes
		Carbon %	Sulfur	AV	c/10000	Pol.	AMP.	c/10000	c/10000	AMP	c/10000	AMP	c/10000	
72-00753-1				1.74	54.3	37.4	-16.9	0.60	18.7	18.6				

Method ref.: Mycology D.S.G. and 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/
Spill Material, University of Wyoming, College of Agriculture, Bulletin AF-83, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Joseph Jones
Denver Laboratory



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Match #, 2000

SUNNYSIDE COGENERATION SOIL

Location : SPOILS AT CRUISE
Surface Elevation :
Sampling :
Horbling :

Lab No.	Depth	Arsenic ppm	Bilrate- Nitrogen ppm	Boron ppm	Molybdenum ppm	Selenium ppm	AB-DIFA Selenium ppm	Notes
72-00759-1			86.2*	10.2*		0.21	0.31	

TEL 373 4791

COMMERCIAL TEST-LAB

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/
Soil and Overburden

COMMERCIAL TESTING & ENGINEERING CO.

E. J. Jones
Denver Laboratory



MAR. -08'00 (WE) 10:24

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SUITE B-200
DENVER, CO 80239
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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: SPOILS #1 W

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received December 28, 1999

Analysis report no. 72-00760-1

<u>PARAMETER</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNITS</u>
Solids	CLPSCW390, PART-F, D-98	99.06	%
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,
COMMERCIAL TESTING & ENGINEERING CO.

E. David Jones
Denver Laboratory





COMMERCIAL TESTING & ENGINEERING CO.

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MARCH 8, 2008

SUNNYSIDE COGENERATION SOIL

Location : GROVE #1 OPERATING :
Surface Elevation :
Reaching :

PLEASE ADDRESS ALL CORRESPONDENCE TO:
4005 FAIRMONT, #200, DENVER, CO 80229
TEL: (303) 373-4791
FAX: (303) 373-4791

Lab No.	Depth	pH	RC	Satur- ation	Calcium mg/l	Magnesium mg/l	Sodium mg/l	Particle Size			Texture	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: NYSDEC D.S.G., Land Quality Division Outline 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, DATED 11-15-06, VERSION 1.0, BY: [REDACTED]

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
E. Regill Jones
Senior Laboratory



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March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : SPOILS AT BRISTOLCHING
Surface Bleedline :
Sampling :

Lab No.	Depth	Total Organic Matter %		Carbonation		Coarse Fragments		Selenium ppm		AR-DIFA Selenium ppm		Notes
72-00760-1		6.54		95.6		0.04		0.07				

TEL 373 4791

COMMERCIAL TEST-LAB

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

Method Ref.: Wyoming D.S.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, University of Wyoming, College of Agriculture, Bulletin NP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

L. Reynolds Jones
Denver Laboratory



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TEL: (303) 373-4172
FAX: (303) 373-4171

March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : 1 STROLLS AT WESTPORTING :
Surface Elevation :
Elevation :
Elevation :

Lab No.	Depth	Total Organic Carbon, %	Total Sulfur, %	T.S. AP	Red. Pot. AP	T.S. AP	Pyroorg Sulfur, %	Pyroorg AP	Pyroorg AP	Notes
72-00760-1		1.19	21.1	66.4	29.2					

Method Ref.: Wyoming D.E.G., Land Quality Division Outline 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 No. 81, **MAY 1977**

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

L. David Jones
Denver Laboratory



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TEL: (303) 371-1772
FAX: (303) 371-1791

March 9, 2000

SUNNYSIDE COGENERATION SOIL

Location : SCOTTS #1 RESEEDING :
Surface Elevation : Raining :

Lab No.	Depth	Nitrate-		AR-DIPA				
		Asenic PPM	Nitrogen PPM	Boron PPM	Molybdenum PPM	Selenium PPM	Selenium PPM	Notes
72-00760-1			31.6	2.15	0.04		0.07	

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

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Special Materials: ~~_____~~ _____

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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDewater AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES
TELEPHONE: 1-800-541-1111

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	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		
<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 quantities of spoil material was placed as follows: 1st Qtr - 7500 yds, 2nd Qtr - 4000 yds, 3rd Qtr - 6000-6500 yds, 4th Qtr - 8000 yds,, 2000 Annual Total - 25500-26000 yards.</p>		

5. Final grading and revegetation of fill.

N/A

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

None

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

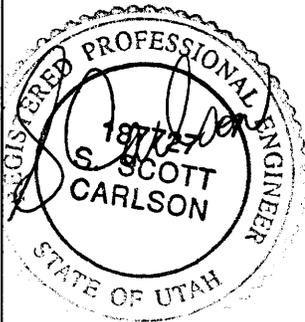
Both Slurry Pond #1 and Slurry Pond #2 have been approved to be and are being filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

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

Analytical results from samples taken of the material placed 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: _____

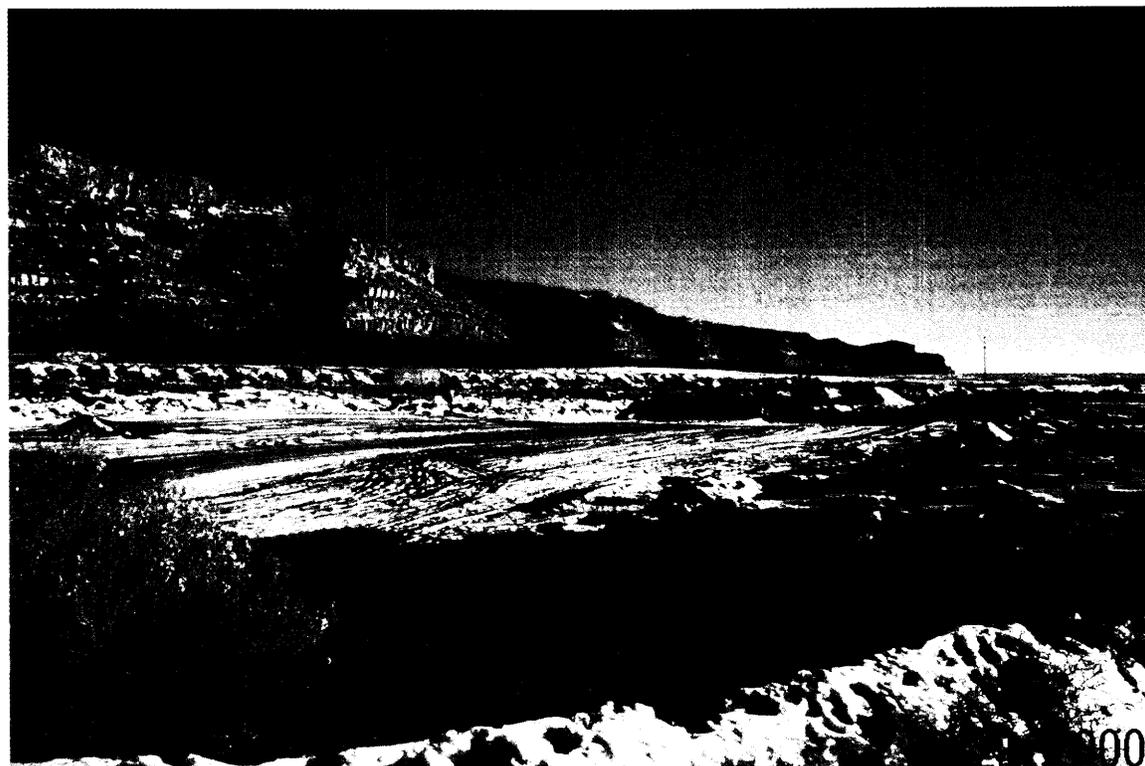
S. Scott Carlson

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

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, vfsl, fsl	c, sicl, sc, ls, lfs	sic, s, sc, c, cos, fs, vfs	g, vcos
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 ₃ / 1,000 tons material			< -5 tons CaCO ₃ / 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 PILE #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	CLFSCW390, 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	MGE12-TKN by Block Digester	0.22	%
Total Organic Carbon	EPA 3.2.14	99.3	%

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

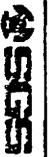
Signature
Denver Laboratory





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SINCE 1808

March 8, 2000

SUNNYSIDE COOPERATION SOIL

Location : STOLL FIRM 42 GR
Surface Elevation :
Fastening :

PLEASE ADDRESS ALL CORRESPONDENCE TO:
4695 FAHNE, # 200, DENVER, CO 80239
TEL: (303) 573 4772
FAX: (303) 573 4791

Lab No.	Depth	EC . Satur-			Particle Size			Texture	Notes			
		mbow/cm @ 25°C	ation %	Calcium mg/l	Magnesium mg/l	Sodium mg/l	Sand %			Silt %	Clay %	
71-00761-1	6.97	2.52	38.2	11.2	11.3	7.11	7.11	78	13	10	SANDY LOAM	

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

Standard Operating Procedures for the Sampling and Analysis of Solenium in Soil And Overburden/
Spoil Material, University of Wyoming, College of Agriculture, Bulletin W-92, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.
Erin J. Jones
Denver Laboratory



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

March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location : STEPLE FIMS #2 CR Northring :
Surface Elevation : 1000.00 ft

LAB No.	Depth	Organic Matter %	Carbonates	TOTAL		
				Calcium	Selenium	Sulfur
72-00761-1		8.64	93.23	0.02	0.04	

Method ref.: Hynding D.R.G., Land Quality Division Guideline No. 1, Topsoil And Overburden Rules Update/8-24

Standard Operating Procedures for the Sampling and Analysis of Selenium in Soil and Overburden/
Soil: Westfall, University of Wyoming, College of Agriculture, Bulletin WP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO

E. J. Jones
Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES
FABT Original Watermarked For Your Protection TERMS / MENTIONS ON REVERSE



SINCE 1908

March 8, 2000

COMMERCIAL TESTING & ENGINEERING CO.

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

SUNNYSIDE COGENERATION SOIL

Location: STROH PILE #2 CR Borbling
Surface Elevation:
Sampling:
Notes:

Lab No.	Total		T.S.		Fertilizer		Pyrite		Notes
	Organic	Sulfur	AP	Pot.	N	P	AP	ABP	
	%	%	c/1000c	c/1000c	%	c/1000c	c/1000c	c/1000c	
72-0076L-1		1.13	35.3	86.4	51.0				

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/
Soil Material, University Of Wyoming, College Of Agriculture, Bulletin WY-82, March, 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Aguilera
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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SUNNYSIDE COGENERATION SOIL

Location : SPILL PILE #7 CR Sampling :
Surface Elevation : Reading :

Lab No.	Depth	Nitrate-Nitrogen		Boron		Molybdenum		Selenium		Notes
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
72-0076L-1		1.53		1.18		0.07		0.04		

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

Standard Operating Procedures for the Sampling and Analysis of Selenium in Soil and Overburden/
Spill Material, University of Wyoming, College of Agriculture, Bulletin WY-87, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

E. Reynolds Jones
Denver Laboratory



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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 FILE #2 CENTER SOUTH

Kind of sample SOIL

Sample taken by SUNNYSIDE COGENERATION FAC

Date received January 11, 2000

Analysis report no. 72-00762-1

PARAMETER	METHOD	RESULTS	UNITS
Solids	CLPSCWB90, 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.





COMMERCIAL TESTING & ENGINEERING CO.

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March 8, 2008



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FAX: (303) 373-4791

SUNNYSIDE COGENERATION

SOIL

Location : SPILL PIER #2 CR Hardship :
Surface Elevation : Reading :

Lab No.	Depth	PH	RC mm/hr/cm @ 25°C	Saturation %	Calcium mg/L	Magnesium mg/L	Sodium mg/L	SAR	Particle Size			Texture Class	Notes
									Sand %	Silt %	Clay %		
72-00762-1	7.00	2.78	21.5	16.3	14.5	7.03	1.99	80	8	12		SANDY LOAM	

Method Ref.: Wyoming D.E.Q. Lead Quality Division guidelines No. 1, Topsoil and Overburden Rules Update/8-98

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Spill Remedial University Of Wyoming, College Of Agricultural, Forestry And Environmental Sciences, Laramie, WY 82001, 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Erin J. Jones
Denver, Colorado



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIERMANN AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES
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TEL: (303) 373 4772

FAX: (303) 373 4781

MARCH 8, 2000

SUNNYSIDE COGENERATION SOIL

Location: 1 SOUTH PINE ST CH ...
Surface Resection: ...

Lab No.	Depth	Moisture %	Carbonation	Resonance	PPM	PPM	PPM
72-00762-1		7.58	99.1	0.05	0.06		

TEL: 303 373 4791

COMMERCIAL TEST-LAB

Method: Soil Sampling, D.F.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/
Soil Material, University of Wyoming, College of Agriculture, Billings, Montana, 1994

Responsible Submitter:
COMMERCIAL TESTING & ENGINEERING CO.

Ernest Jones
Denver Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL CON. MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES
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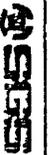
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TEL: (303) 733-4772
FAX: (303) 733-4791

March 8, 2000

SUNNYSIDE COGENERATION SOIL

Location: 1 SOUTH PARK ST. PORTLAND
Surface Elevation: 1000.00
Easting: 1000000.00

Lab No.	Depth	Total		T.S.		Nurd.		T.S.		Pyroorg		Pyroorg	
		Organic	Sulfur	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm
71-00762-1				0.57	17.8	75.0	57.3						

TEL: 303 733 4791

COMMERCIAL TEST-LAB

Method Ref.: Wyoming D.E.O., Sand quality Division guideline No. 1, Topsoil And Overburden Balen Update/8-94

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/
Soil Testing Laboratory Of Wyoming University Of Wyoming, Laramie, WY 82069

Method submitted
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

E. J. J. Jones



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