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Only 1 copy

Sunnyside Cogeneration Associates

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

January 30, 2001

ACT/007/035

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

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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

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

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

3. Principle and emergency spillway elevations.

Spillway Elevation = 6530.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

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

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

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

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.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

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

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6207.7
Estimated Existing Sediment Elevation = 6207+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

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

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.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

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

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

3. Principle and emergency spillway elevations.

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

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

No discharge, pond was 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

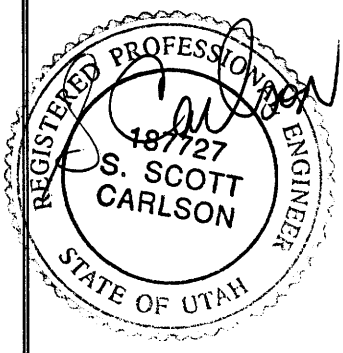
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

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

P.E. Number & State: 187727 - UT

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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

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

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

3. Principle and emergency spillway elevations.

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

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

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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

CERTIFIED REPORT

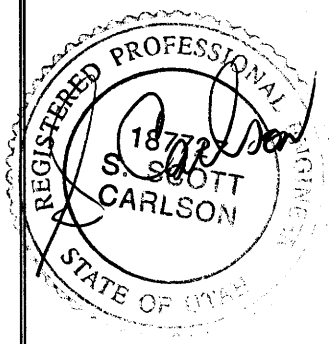
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

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

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

3. Principle and emergency spillway elevations.

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

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

Pond was 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: J Scott Carlson **Date:** 12/27/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

CERTIFIED REPORT

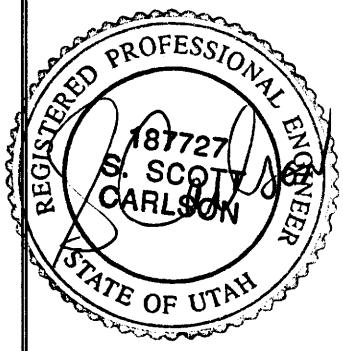
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

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

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

3. Principle and emergency spillway elevations.

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

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

Pond was 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	

CERTIFIED REPORT

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

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

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

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

By: S. Scott Carlson - 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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

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

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

3. Principle and emergency spillway elevations.

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

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

Pond was 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

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.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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? ☐ **No** X **Yes**

Field Evaluation

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

   N/A

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

   N/A

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

   N/A

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

   N/A

   Removal of Coarse and fine Refuse Material Only

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

5. Final grading and revegetation of fill.

N/A

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

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.

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

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

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

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

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

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

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

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

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

Pond 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: L 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.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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

Signature: 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

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:** 12/27/00

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	West Cell	

CERTIFIED REPORT

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

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

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

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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	**Pile Name:**	Excess Spoil Disposal Area #1	
	Pile 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? ☐ **No** **X** **Yes**	

Field Evaluation

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

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems.

N/A

4. Placement and compaction of fill materials.

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

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

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

N/A

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

None

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

Construction 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

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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	Spoile #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	273	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
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, 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

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-963-0300 FAX: 630-963-9306

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ADDRESS ALL CORRESPONDENCE TO:
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SUITE B-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

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	0.23	%
Total Organic Carbon	EPA 3.2.14	98.8	%

Post-it® Fax Note 7671 | Date 3-8 | # of pages 2

To Kirsty Nutt | From Laura

Co./Dept. | Co. KTE Power

Phone # | Phone #

Fax # | Fax #

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.
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TEL: (303) 373-4772
FAX: (303) 373-4781

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Total Organic Matter %	Carbonates	Coarse Fragments	Selenium PPM	AB-DTPA Selenium ppm	Notes
72-00758-1			8.83	98.8	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/ Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin MP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

COMMERCIAL TESTING & ENGINEERING CO.

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4665 PARIS, B 200, DENVER, CO 80239
TEL: (303) 373 4772
FAX: (303) 373 4791

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Neut. Pot. t/1000t	T.S. ABP. t/1000t	Pyr+Org Sulfur %	Pyr+Org AP t/1000t	Pyr+Org ABP t/1000t	Notes
72-00758-1			1.12	35.0	88.3	53.3				

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 MP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

COMMERCIAL TESTING & ENGINEERING CO.

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FAX: (303) 373 4791

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Arsenic ppm	Nitrate-Nitrogen ppm	Boron ppm	Molybdenum ppm	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00758-1			4.25	1.66		0.01	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/ Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin RP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Ensegnid Jarco

Denver Laboratory

COMMERCIAL TESTING & ENGINEERING CO.

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

March 8, 2000

SUNNYSIDE COGENERATION

SOIL

Location : SPOILS #1 EASTorthing :

Surface Elevation : Easting :

Lab No.	Depths	pH	EC mmhos/cm @ 25°C	Saturation %	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	Particle Size Sand %	Silt %	Clay %	Texture Class	Notes
72-00758-1		7.36	2.50	30.0	12.0	12.4	5.26	1.50	82	8	10	LOAMY SAND	

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 MP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

COMMERCIAL TESTING & ENGINEERING CO.
GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-953-0300 FAX: 630-953-0306
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DENVER, CO 80239
TEL: (303) 373-4772
FAX: (303) 373-4791

March 6, 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.

Denver Laboratory

MEMBER ACIL

COMMERCIAL TESTING & ENGINEERING CO.

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SINCE 1908

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

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	pH	EC mmhos/cm @ 25°C	Saturation %	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	Particle Size Sand %	Silt %	Clay %	Texture Class	Notes
72-00759-1		6.91	12.24	36.6	21.2	273.	10.8	0.55	82	6	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, Bulletin MP-82, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Denver Laboratory

P.007
TEL:303 373 4791
COMMERCIAL TEST-LAB
MAR.-08'00(WED) 10:23

COMMERCIAL TESTING & ENGINEERING CO.

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4665 PARIS, B 200, DENVER, CO 80239
TEL: (303) 373-4772
FAX: (303) 373 4791

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Total Organic Matter %	Carbonates	Coarse Fragments	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00759-1			3.76	93.3	0.21	0.31	

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 MP-82, March 1994.

Respectfully submitted,
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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Neut. Pot. t/1000t	T.S. ABP. t/1000t	Pyr+Org Sulfur %	Pyr+Org AP t/1000t	Pyr+Org ABP t/1000t	Notes
72-00759-1			1.74	54.3	37.4	-16.9	0.60	18.7	18.6	

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 MP-82, March 1994.

Respectfully submitted,
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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	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.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 [illegible] Dept. of Agronomy [illegible]

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#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

PARAMETER	METHOD	RESULTS	UNITS
Solids	CLPSOW390, PART-P,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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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	pH	EC mmhos/cm @ 25°C	Saturation %	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	Particle Size Sand %	Silt %	Clay %	Texture Class	Notes
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.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, March 1994.

Respectfully submitted,
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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

Location : SPOILS #1 WESTorthing :
Surface Elevation : Nanting :

Lab No.	Depths	Total Organic Matter %	Carbonates	Coarse Fragments	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00760-1			6.54	95.5	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/ Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin MP-82, March 1994.

Respectfully submitted,
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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Neut. Pot. t/1000t	T.S. ABP. t/1000t	Pyr+Org Sulfur %	Pyr+Org AP t/1000t	Pyr+Org ABP t/1000t	Notes
72-00760-1			1.19	37.1	66.4	29.2				

Method Ref.: Wyoming D.E.Q., 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 Material, University Of Wyoming, College Of Agriculture, Bulletin MP-81, March 1994.

Respectfully submitted,
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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

Location : SOUTH #1 Stockpiling :
Surface Elevation : Easting :

Lab No.	Depths	Arsenic ppm	Nitrate-Nitrogen ppm	Boron ppm	Molybdenum ppm	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00760-1			37.6	2.15		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, Coll[illegible]

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TERMS AND CONDITIONS ON REVERSE

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 (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2000	
		Attachments to Report? ☐No **X** Yes	

Field Evaluation

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

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

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

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: 1st Qtr - 7500 yds, 2nd Qtr - 4000 yds, 3rd Qtr - 6000-6500 yds, 4th Qtr - 8000 yds,, 2000 Annual Total - 25500-26000 yards.

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

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

N/A

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

None

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

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

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

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

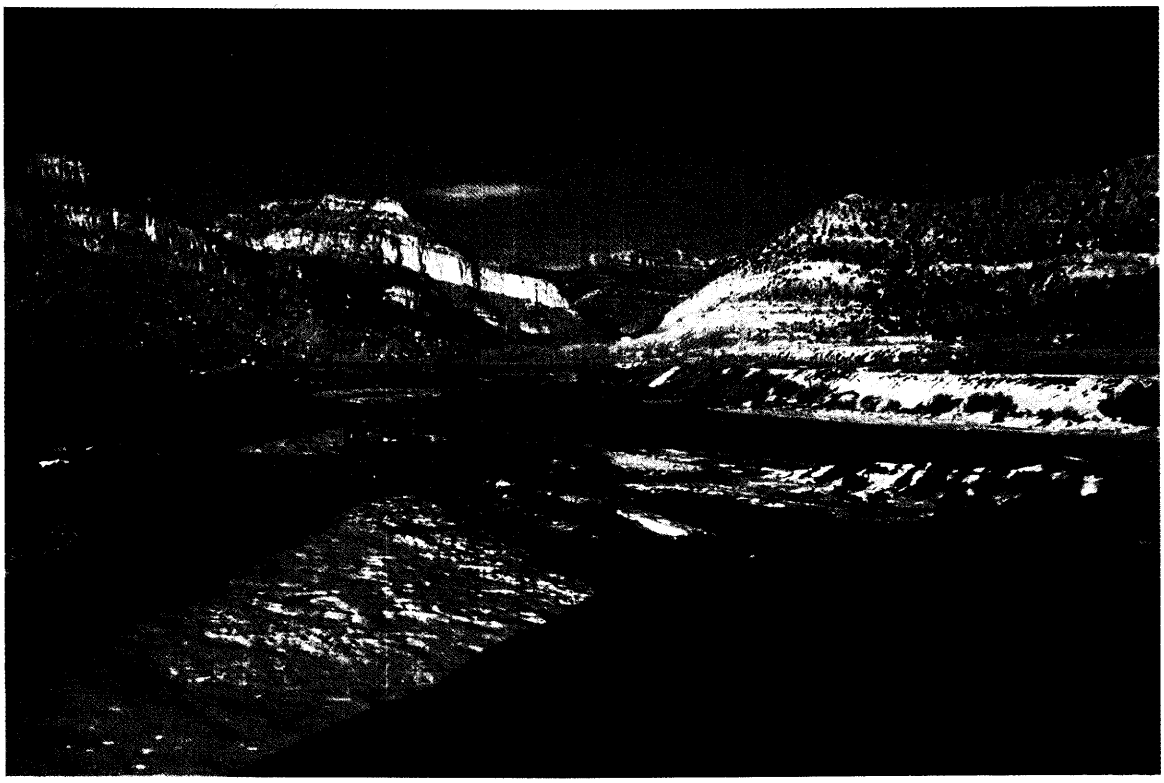
I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure 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.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

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	Spoile #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	273	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
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, 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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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

PARAMETER	METHOD	RESULTS	UNITS
Solids	CLPSCW390, 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	M351.2-TKN by Block Digester	0.22	%
Total Organic Carbon	EPA 9.2.14	99.3	%

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

Location : SPOIL PILE #2 CR Northing :

Surface Elevation : Easting :

Lab No.	Depths	pH	EC mmhos/cm @ 25°C	Saturation %	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	Particle Size Sand %	Silt %	Clay %	Texture Class	Notes
72-00761-1		6.97	2.52	38.2	11.2	11.1	7.11	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 MP-82, March 1994.

Respectfully submitted,
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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

Location : SPOIL PILE #2 CB Northing :
Surface Elevation : Easting :

Lab No.	Depths	Total Organic Matter %	Carbonates	Coarse Fragments	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00781-1			8.64	93.3	0.02	0.04	

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 MP-82, March 1994.

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SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Neut. Pot. t/1000t	T.S. ABP t/1000t	Pyr.Org Sulfur %	Pyr.Org AP t/1000t	Pyr.Org ABP t/1000t	Notes
72-00761-1			1.13	35.3	86.4	51.0				

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 MP-82, March 1994.

Respectfully submitted,
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March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Arsenic ppm	Nitrate-Nitrogen ppm	Boron ppm	Molybdenum PPM	Selenium ppm	AB-DTPA Selenium PPM	Notes
72-00761-1			1.53	1.18		0.02	0.04	

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 MP-82, March 1994.

Respectfully submitted,
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March 8, 2000

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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

PARAMETER	METHOD	RESULTS	UNITS
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.

Denver Laboratory

MEMBER ACIL

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P. 022
TEL 303 373 4791
COMMERCIAL TEST-LAB
MAR. -08' 00 (WED) 10:26

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

Location : SPOIL PILE 92 CR Northing :
Surface Elevation : Easting :

Lab No.	Depths	pH	EC mmhos/cm @ 25°C	Saturation %	Calcium meq/l	Magnesium meq/l	Sodium meq/l	SAR	Particle Size Sand %	Silt %	Clay %	Texture Class	Notes
72-00762-1		7.00	2.78	31.9	16.3	14.5	7.93	1.99	80	8	12	SANDY LOAM	

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

Standard Operating Procedures For The Sampling And Analysis Of Selenium In Soil And Overburden/Spoil Material, University Of Wyoming, College of Agriculture, [illegible] March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Ernest Jones
Denver Laboratory

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P. 023
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COMMERCIAL TEST-LAB
MAR. -08' 00 (WED) 10:27

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

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

Lab No.	Depths	Total Organic Matter %	Carbonates	Coarse Fragments	Selenium ppm	AB-DTPA Selenium ppm	Notes
72-00762-1			7.58	99.1	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/Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin B-812, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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MAR.-08'00(WED) 10:27 COMMERCIAL TEST-LAB T 303 373 4791 P.024

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

Location : SPOIL PILE 52 CR Northing :

Surface Elevation : Easting :

Lab No.	Depths	Total Organic Carbon %	Total Sulfur %	T.S. AP t/1000t	Neut. Pot. t/1000t	T.S. ARP. t/1000t	Pyr.Org Sulfur %	Pyr.Org AP t/1000t	Pyr.Org ARP t/1000t	Notes
71-00762-1			0.57	17.8	75.8	57.9				

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, [illegible] Bulletin RF-81, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Ersegund Jorco

Denver Laboratory

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

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F. 025

TE[illegible]03 373 4791

CO[illegible]RCIAL TEST-LAB

MAR. -08' 00 (WED) 10:27

March 8, 2000

SUNNYSIDE COGENERATION
SOIL

Location : SPOIL PILE #2 OR Northing :

Surface Elevation : Easting :

Lab No.	Depths	Arsenic PPM	Nitrate-Nitrogen PPM	Boron PPM	Molybdenum PPM	Selenium PPM	AB 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/ Spoil Material, University Of Wyoming, College Of Agriculture, Bulletin MP-92, March 1994.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

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