

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	Report Date	1/18/07
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection 2006		

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

File in:

- Confidential
- Shelf
- Expandable

Refer to Record No. 0007 Date 01/23/2007 Page 1 of 3
 In C 0070035 Shelving 0002
 For additional information

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Clear Water Pond

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

No discharge, inlet/outlet conditions are good

No structural or hazardous conditions exist.

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

Pond had some water in it.

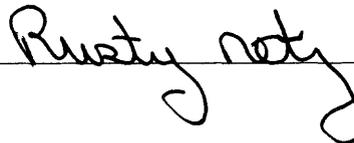
No structure or stability problems observed.

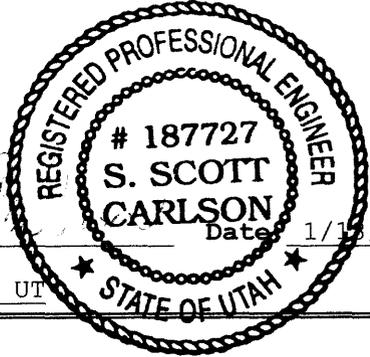
In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

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

Signature: _____

Date: 1/18/07

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:	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p>	
By: <u>S. Scott Carlson, PE</u>		
Signature: <u><i>S. Scott Carlson</i></u>	Date: <u>1/15/07</u>	
P.E. Number & State: <u>187727 UT</u>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	Report Date 1/18/07	
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
<p>Required for an impoundment which functions as a SEDIMENTATION POND.</p>	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 4.8 acre-feet Maximum Sediment Depth Elevation = 6209 Estimated Existing Sediment Elevation = 6207+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6212.34 Primary Drain Elevation = 6209.07 Maximum Sediment Depth 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 outslopes of embankments, etc.

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

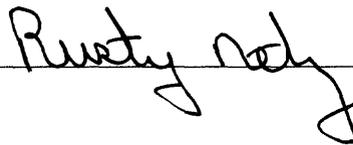
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure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

No changes. Pond had some water in it.
No structure or stability problems observed.

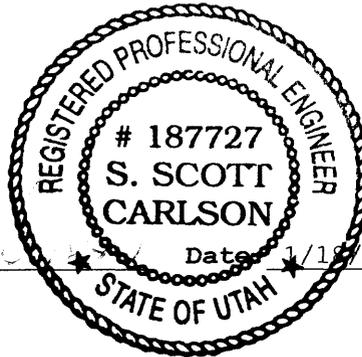
Qualification Statement

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: 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	
CERTIFIED REPORT		
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	
COMMENTS AND OTHER INFORMATION		
Certification Statement:	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p>	
	<p>By: <u>S. Scott Carlson, P.E.</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>1/18/07</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>	



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	Report Date	1/18/07
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
<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>		

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 had some water in it. inlet/outlet conditions are good,
No structural or hazardous conditions exist.

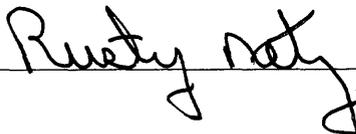
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure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

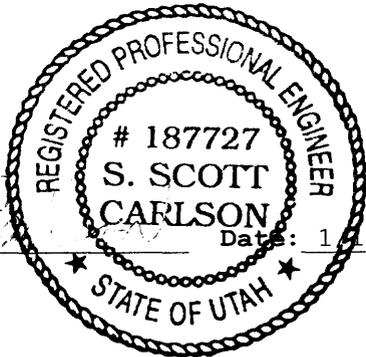
No changes, no structure or stability problems observed.

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: 1/18/07

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.</u>		
	Signature: <u><i>S. Scott Carlson</i></u>	Date: <u>1/18/07</u>	
	P.E. Number & State: <u>187727 - UT</u>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	Report Date	1/18/07
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 1.0 acre-feet Maximum Sediment Depth Elevation = 6485.5 Estimated Existing Sediment Elevation = 6484+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6490.6 Primary Drain Elevation = 6486.6</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Pond

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

Pond had some water in it.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exist.

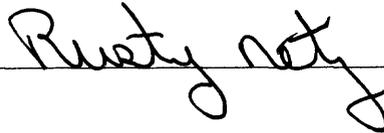
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure 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: 1/18/07

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

<p>Certification Statement:</p>	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson, PE</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u></p> <p>P.E. Number & State: <u>187727 - UT</u></p> <div data-bbox="971 1411 1407 1768" data-label="Image"> </div>
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IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	Report Date 1/18/07	
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
<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>		

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 had some water in it.
 No discharge, inlet/outlet conditions are good,
 No structural or hazardous conditions exist.

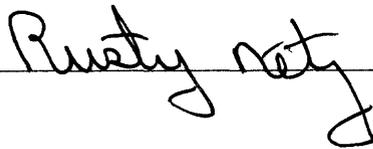
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure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

No changes. No structure or stability problems observed.

Qualification Statement

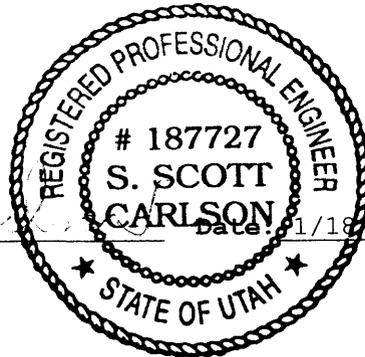
I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the 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: 1/18/07

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			
Certification Statement:	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p>		
	<p>By: <u>S. Scott Carlson , PE</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>1/18/07</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>		



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	Report Date	1/18/07
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
<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 = 1.5 acre feet Maximum Sediment Depth Elevation = 6476.0 Estimated Existing Sediment Elevation = 6475±</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6477.9 Emergency Spillway Elevation = 6479.0</p>		

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 had some water in it.
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exist.

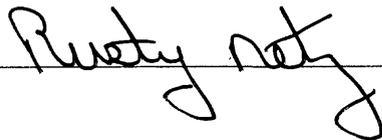
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure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

No changes.
No structure or stability problems observed.

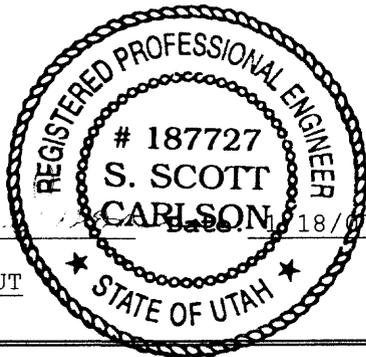
Qualification Statement

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Signature: _____

Date: 1/18/07

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:	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.</p> <p>By: <u>S. Scott Carlson, PE</u></p> <p>Signature: <u><i>S. Scott Carlson</i></u> Date: <u>18/07</u></p> <p>P.E. Number & State: <u>187727 - UT</u></p>	



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	Report Date	1/18/07
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>NONE</p>			
Required for an impoundment which functions as a SEDIMENTATION POND	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Storage Capacity = 8.3 acre-feet Maximum Sediment Depth Elevation = 6513.3 Estimated Existing Sediment Elevation = 6511+-</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Spillway Elevation = 6517.03 Primary Drain Elevation = 6514.3</p>		

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

Pond had some water in it.
 No discharge, inlet/outlet conditions are good,
 No structural or hazardous conditions exist.

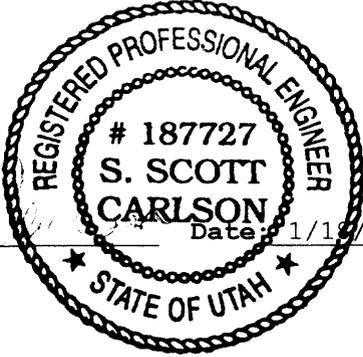
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure 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: Rusty netz Date: 1/18/07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
CERTIFIED REPORT			
IMPOUNDMENT EVALUATION (If NO, explain under Comments)		YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?		yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?		yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?		yes	
COMMENTS AND OTHER INFORMATION			
none			
Certification Statement:	I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.		
	By: <u>S. Scott Carlson, P.E.</u>		
Signature: <u><i>S. Scott Carlson</i></u>	Date: <u>1/18/07</u>		
P.E. Number & State: <u>187727 Utah</u>			

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	Report Date 1/18/07	
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
<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>		

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 out slopes of embankments, etc.

Pond had some water in it.
No structural or hazardous conditions exist.

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

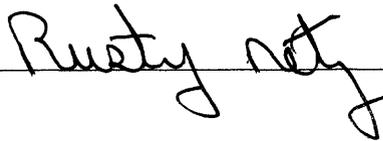
Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond and coal fine storage. No structural or stability problems observed.

In accordance with the approved plan to construct the Excess Spoil Disposal area #2, the Slurry Ponds #1 and #2 no longer receive storm runoff. These storm flows are now routed either directly to the East Slurry Cell or to the Clear Water Pond. With the reclamation activities at Sunnyside Coal, both of these ponds have ample capacity to handle the storm flows without the Slurry Ponds in series.

Qualification Statement

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

Signature: _____

Date: 1/18/07

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	Report Date 1/18/07
Mine Name	SUNNYSIDE REFUSE AND SLURRY	
Company Name	SUNNYSIDE COGENERATION ASSOCIATES	
Excess Spoil Pile or Refuse Pile Identification	File Name:	Coarse Refuse Pile
	File Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	December 19, 2006	
Inspected By	Rusty Netz	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Field Evaluation		
1.	Foundation preparation, including the removal of all organic material and topsoil.	
	N/A	
2.	Placement of underdrains and protective filter systems.	
	N/A	
3.	Installation of final surface drainage systems.	
	N/A	
4.	Placement and compaction of fill materials.	
	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.

No smokers visible

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

Waste Coal Removal

**Certification
Statement**

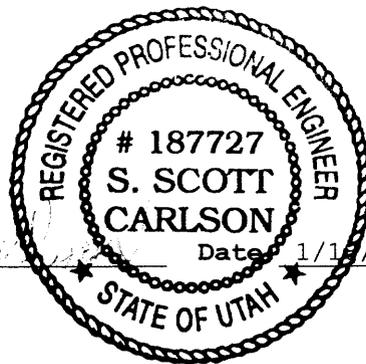
I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure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

By: S. Scott Carlson, PE

Signature: _____

Date: 1/15/07

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 1/18/07	
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	December 19, 2006		
Inspected By	Rusty Netz		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006	
		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. Placement and compaction of fill material occurred throughout this quarter. Material consists generally of coarse refuse rejects and is being placed in general conformance with the approved plan. Approximately 19,980, 14,000, 16,662, & 13,380 tons of material were placed during the 1 st , 2 nd , 3 rd , & 4 th Quarters respectively.			

5. Final grading and revegetation of fill.

N/A

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

None

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

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

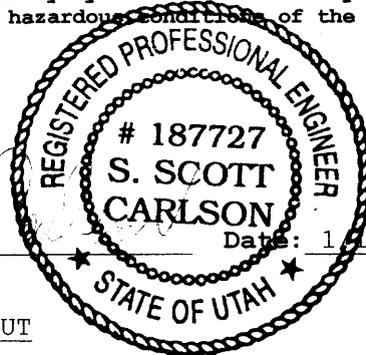
No evidence exists of fires in the pile.

Certification Statement

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

By: S. Scott Carlson, PE

Signature: _____



P.E. Number & State: 187727 - UT



Coarse Refuse Pile looking westerly

March 9, 2006



Coarse Refuse pile looking westerly / northwesterly

March 9, 2006

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile #2
Permit Number	ACT/007/035	Report Date 1/18/07
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	December 19, 2006	
Inspected By	Rusty Netz	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual Inspection 2006
		Attachments to Report? 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>Under-drains and filters are not required by approved plan. The Slurry Ponds #1 and #2 no longer receive inflows of any storm waters. The inlet culverts have been removed and storm water rerouted to other impoundments.</p>		
<p>3. Installation of final surface drainage systems.</p> <p>N/A</p>		
<p>4. Placement and compaction of fill materials.</p> <p>No additional material was placed in this disposal area during the year.</p> <p>Four samples were gathered of material placed in prior quarters. Analytical results of these samples are attached.</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 were approved for and have been filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area #2. A pile is being constructed on top of the filled ponds with gentle slopes in accordance with the currently approved plan. See attached photos.

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

In accordance with the approved plan, SCA has removed coal fines lining the old slurry ditch along the east side of this pile. These materials were used in the power plant. Removal of these materials facilitates the construction of the east access road and drainage ditch shown on the approved plan.

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 ~~inspected~~ 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, PE

Signature: *S. Scott Carlson*

P.E. Number & State: 187727 - UT





Excess Spoil Area # 2 Looking westerly

March 9, 2006



Excess Spoil Disposal Area #2 Looking southerly

March 9, 2006

INORGANIC ANALYSIS REPORT



Client: Sunnyside Cogeneration
 Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-01B
 Field Sample ID: North
 Collected: 1/19/2006 10:00:00 AM
 Received: 6/9/2006

**AMERICAN
 WEST
 ANALYTICAL
 LABORATORIES**

453 West 3600 South
 Salt Lake City, Utah
 84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	5200
Magnesium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	2000
Selenium	mg/kg-dry	6/20/2006 9:53:36 PM	6020	0.50	4.0
Sodium	mg/kg-dry	6/16/2006 11:03:14 AM	6010B	100	470

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 e-mail: awal@awal-labs.com

Kyle F. Gross
 Laboratory Director

Peggy McNicol
 QA Officer

INORGANIC ANALYSIS REPORT



Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

**AMERICAN
 WEST
 ANALYTICAL
 LABORATORIES**

Lab Sample ID: L72289-02B
Field Sample ID: South
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

463 West 3600 South
 Salt Lake City, Utah
 84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:07:10 AM	60 0B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:07:10 AM	60 10B	100	1300
Magnesium	mg/kg-dry	6/16/2006 11:07:10 AM	60 10B	100	660
Selenium	mg/kg-dry	6/20/2006 9:59:00 PM	6020	0.50	6.7
Sodium	mg/kg-dry	6/16/2006 11:07:10 AM	60 10B	100	580

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Kyle F. Gross
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Peggy McNicol
 QA Officer

All analysis applicable to the CWA, SDWA and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached Chain-of-Custody. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility, except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

INORGANIC ANALYSIS REPORT



Client: Sunnyside Cogeneration
 Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-04B
 Field Sample ID: West
 Collected: 1/19/2006 10:20:00 AM
 Received: 6/9/2006

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 LABORATORIES

463 West 3600 South
 Salt Lake City, Utah
 84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results
Boron	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	50	< 50
Calcium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	4400
Magnesium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	970
Selenium	mg/kg-dry	6/20/2006 10:25:41 PM	6020	0.50	7.3
Sodium	mg/kg-dry	6/16/2006 11:23:05 AM	6010B	100	610

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ANALYTICAL REPORT



Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-01A
Field Sample ID: North
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

Analyzed 6/15/2006

AMERICAN
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ANALYTICAL
LABORATORIES

Analysis Requested: USC

Result **USC**

% Moisture: 1.3

Uniform Soil Classification Insufficient fines for grading **H**

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84115

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

H - Sample had expired upon receipt.

ANALYTICAL REPORT



Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-02A
Field Sample ID: South
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Analysis Requested: USC

Result **USC**

% Moisture: 1.2

Uniform Soil Classification

Insufficient fines for grading

H

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

H - Sample had expired upon receipt.

ANALYTICAL REPORT



Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-03A
Field Sample ID: East
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Analysis Requested: USC

Result **USC**

% Moisture: 1.4

Uniform Soil Classification

GP-GC Poorly graded gravel w/ clay

H

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

H - Sample had expired upon receipt.

ANALYTICAL REPORT



Client: Sunnyside Cogeneration
Project ID:: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-04A
Field Sample ID: West
Collected: 1/19/2006 10:20:00 AM
Received: 6/9/2006

Analyzed: 6/15/2006

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Analysis Requested: USC

Result **USC**

% Moisture: 0.8

Uniform Soil Classification

GP - Poorly graded gravel w/sand

H

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

H - Sample had expired upon receipt.

INORGANIC ANALYSIS REPORT



Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-01
Field Sample ID: North
Collected: 1/19/2006 10:00:00 AM
Received: 6/9/2006

**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	920	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.12	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.14	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	8.19	H
SAR	mg/L	6/22/2006		0.010	0.74	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	970	H ²
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	980	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	15	H

*H - Sample was received outside of holding time.
*Analysis is performed on a 1:1 DI water extract for soils.
² Analyte concentration is too high for accurate spike recovery.*

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

INORGANIC ANALYSIS REPORT



Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-02
Field Sample ID: South
Collected: 1/19/2006 10:05:00 AM
Received: 6/9/2006

**AMERICAN
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Kyle E. Gross
Laboratory Director

Peggy McNicol
QA Officer

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	110	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.027	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.048	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	7.62	H
SAR	mg/L	6/22/2006		0.010	2.6	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	950	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	960	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	8.8	H

*H - Sample was received outside of holding time.
Analysis is performed on a 1:1 DI water extract for soils.

INORGANIC ANALYSIS REPORT



Client: Sunnyside Cogeneration
Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-03
Field Sample ID: East
Collected: 1/19/2006 10:10:00 AM
Received: 6/9/2006

**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	420	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.12	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.13	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	8.58	H
SAR	mg/L	6/22/2006		0.010	0.78	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	51	1600	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	1700	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	21	H

*H - Sample was received outside of holding time.
Analysis is performed on a 1:1 DI water extract for soils.

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Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

INORGANIC ANALYSIS REPORT



Client: Sunnyside Cogeneration
 Project ID: D06M

Contact: Rusty Metz

Lab Sample ID: L72289-04
 Field Sample ID: West
 Collected: 1/19/2006 10:20:00 AM
 Received: 6/9/2006

**AMERICAN
 WEST
 ANALYTICAL
 LABORATORIES**

463 West 3600 South
 Salt Lake City, Utah
 84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	6/12/2006 5:40:00 AM	9050A	10	590	H*
Nitrate (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.050	H
Nitrate/Nitrite (as N)	mg/kg-dry	6/13/2006 2:12:00 PM	353.2	0.010	0.056	H
pH @ 25° C	pH Units	6/9/2006 2:00:00 PM	9045C	0	7.58	H
SAR	mg/L	6/22/2006		0.010	0.55	
TKN (as N)	mg/kg-dry	6/19/2006 9:46:00 AM	351.2	50	570	H
Total Nitrogen (as N)	mg/kg-dry	6/23/2006		51	580	H
Total Volatile Solids	%	6/13/2006 6:30:00 PM	160.4	0.010	18	U

*H - Sample was received outside of holding time.
 Analysis is performed on a 1:1 DI water extract for soils.

(801) 263-8686
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Kyle F. Gross
 Laboratory Director

Peggy McNicol
 QA Officer

All analysis applicable to the CWA, SDWA and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached Chain-of-Custody. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility, except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.



INORGANIC ANALYSIS REPORT

**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

Client: Sunnyside Cogeneration

Contact: Rusty Metz

Collected: January 19, 2006

Received: June 9, 2006

Analysis Method: Sobek et al

Lab Sample Set ID: L72289

Calculated: June 27, 2006

Units = $\frac{\text{tons of CaCO}_3 \text{ equivalents}}{1000 \text{ tons of material}}$

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results

Lab Sample ID	Client Sample ID	Acid Generation	Acid Neutralization	Acid Base
		Potential	Potential	Account
L72289-01	North	11	200.0	-189
L72289-02	South	19	14	5
L72289-03	East	17	65	-48
L72289-04	West	15	82	-67

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The laboratory is not approved by NELAC for this method.

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer