



Sunnyside Cogeneration Associates

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

C/007/035 Incoming
cc: Karl
Kevin R

April 25, 2011

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: 1st Quarter 2011 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the First Quarter 2011 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

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

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

File in:

- Confidential
- Shelf
- Expandable

Date Folder 04282011 C/007/0035

RECEIVED

APR 28 2011

DIV. OF OIL, GAS & MINING

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Railcut Sediment Pond

Report Date April 20, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name RailCut Sediment Pond
Impoundment Number 007
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

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

None

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

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6207.2 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. 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 samples were taken. Pond did not require decanting.
Sediment levels were good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation 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 recent changes in the geometry of the structure have been observed

Some water was impounded

No other aspects of the impounding structure were observed that could affect its stability or functionality.

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 designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nety Date: 4/25/11

**CERTIFIED REPORT
IMPOUNDMENT EVALUATION**

If you answer NO to these questions, please explain under comments

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

COMMENTS/ 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 designs and meets or exceeds 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, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date April 20, 2011
Permit Number C/007/035
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 UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

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

None

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

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.4 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. 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 samples were taken. Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation 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 recent changes in the geometry of the structure have been observed
Some water was impounded
Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

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 designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Nety

Date: _____

4/25/11

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

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

COMMENTS/ 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 designs and meets or exceeds 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, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date April 20, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Pasture Sediment Pond
Impoundment Number 009
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

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

None

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

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6485.1 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. 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 samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation 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 recent changes in the geometry of the structure were observed.

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

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 designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

4/25/11

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

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

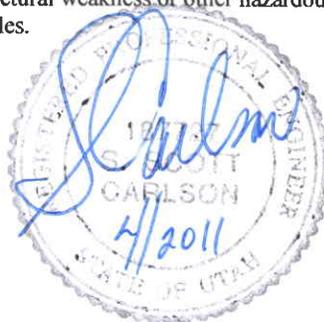
COMMENTS/ OTHER INFORMATION

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 designs and meets or exceeds 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, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date April 20, 2011
Permit Number C/007/035
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 UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

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

None

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

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.6 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. 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 samples were taken. Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation 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 recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

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 designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty nety Date: 4/25/11

**CERTIFIED REPORT
IMPOUNDMENT EVALUATION**

If you answer NO to these questions, please explain under comments

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

COMMENTS/ 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 designs and meets or exceeds 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, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Coal Pile Sediment Pond

Report Date April 20, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Coal Pile Sediment Pond
Impoundment Number 014
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

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

None

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

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6474 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. 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 samples were taken. Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation 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 recent changes in the geometry of the structure have been observed
Some water was impounded
Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

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 designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Noty Date: 4/25/11

**CERTIFIED REPORT
IMPOUNDMENT EVALUATION**

If you answer NO to these questions, please explain under comments

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

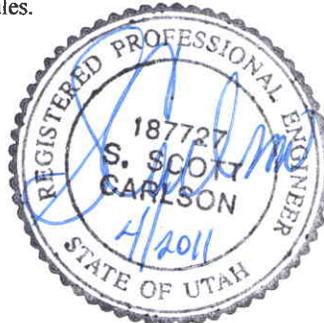
COMMENTS/ OTHER INFORMATION

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 designs and meets or exceeds 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, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date April 20, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Borrow Area Sediment Pond
Impoundment Number 016
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

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

None

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

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. 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 no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation 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 recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

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 designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Noty Date: 4/25/11

**CERTIFIED REPORT
IMPOUNDMENT EVALUATION**

If you answer NO to these questions, please explain under comments

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

COMMENTS/ 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 designs and meets or exceeds 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, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

**INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE**

GENERAL INFORMATION

Coarse Refuse Pile

Report Date April 20, 2011
Permit Number C/007/035
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 March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

Attachment to Report? (such as refuse sample analysis or photos) **NO**

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 - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

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

No aspects of the Fill structure were observed that could affect its stability or functionality

**INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE**

Coarse Refuse Pile

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

Refuse material is actively being excavated and removed from various locations across the top of the pile

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect 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 meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty noty Date: 4/25/11

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 the approved design and meets or exceeds 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.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



**INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE**

GENERAL INFORMATION

Excess Spoil Disposal Area #1

Report Date April 20, 2011
Permit Number C/007/035
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 March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

Attachment to Report? (such as refuse sample analysis or photos) **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

Approximately 20,310 tons of material were placed during the quarter.

5. Final grading and revegetation of fill.

N/A

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

No aspects of the Fill structure were observed that could affect its stability or functionality

**INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE**

Excess Spoil Disposal Area #1

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

Material samples were taken towards the end of 2010. Analytical results of these samples have been received and are included as an attachment to this report.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect 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 meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

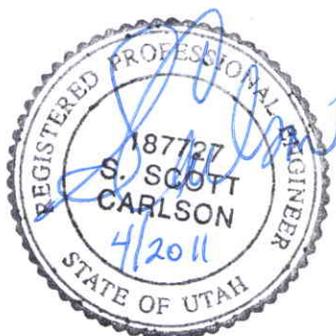
Signature: Rusty Metz Date: 4/25/11

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 the approved design and meets or exceeds 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.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date





**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

Rusty Netz
Sunnyside Cogeneration
PO Box 159
Sunnyside, UT 84539
TEL: (435) 888-4476

RE: DOGM Spoils #1

Dear Rusty Netz:

Lab Set ID: 1101259

463 West 3600 South
Salt Lake City, Utah
84115

American West Analytical Laboratories received 1 sample(s) on 1/19/2011 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is certified by The NELAC Institute in Utah and Texas; and is state certified in Colorado and Idaho. Certification document is available upon request. If you have any questions or concerns regarding this report please feel free to call.

(801) 263-8686

Toll Free (888) 263-8686

Fax (801) 263-8687

mail: awal@awal-labs.com

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:


Laboratory Director or designee



INORGANIC ANALYTICAL REPORT

**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

Client: Sunnyside Cogeneration
Project: DOGM Spoils #1
Lab Sample ID: 1101259-001
Client Sample ID: Spoils Pile #1 / Composite Sample
Collection Date: 11/10/2010 1300h
Received Date: 1/19/2011 1120h

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm		1/20/2011	SW9050A	10.0	517	H&
Nitrate (as N)	mg/kg-dry		1/19/2011 1435h	E353.2	0.103	<0.103	H*
pH @ 25° C	pH Units		1/19/2011 1930h	SW9045D	1.00	8.60	H
Sodium Adsorption Ratio			1/19/2011	Calc.	0.0100	1.00	
Total Nitrogen (as N)	mg/kg-dry		1/31/2011	Calc.	0.500	421	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

** - The reporting limits were raised due to sample matrix interferences.*

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mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories

Client: Sunnyside Cogen
 Address: #1 Power Plant road
 Sunnyside Utah, 84539
 Project Name: DOGM Spoils #1
 PO#:

Contact: Rusty Netz
 Phone: 435-888-4476
 Fax:
 Email:

Lab Sample Set # 164/27
 Page 1 of 1

QC Level:
 Turn Around Time

Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	pH, SAR, Conductivity	Total Nitrogen	Metals: B, Ca, Mg, Na, Se	Nitrate	ABA, ANP, AGP Calculations	TOC	Partical Size	Total Sulfur	Neutralization Potential	Comments
1 Spoils pile #1	11/10/2010	13:00	1		X	X	X	X	X	X	X	X	X	See Attachment
2 composite sample														also
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Special Instructions:

Relinquished by: Signature	Received by: Signature	Date: 1/17/2011	Date:
Print Name	Print Name	Time: 1600	Time:
Relinquished by: Signature	Received by: Signature	Date: 1/19/11	Date:
Print Name	Print Name	Time: 1120	Time:

2 hrs
 2.5 hr

February 09, 2011

Report to:

Elona Hayward
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

Bill to:

Lynn Turner
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

cc: Samantha

Project ID: 1101259

ACZ Project ID: L86280

Elona Hayward:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 20, 2011. This project has been assigned to ACZ's project number, L86280. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L86280. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 09, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and approved this report.



American West Analytical Labs

Project ID: 1101259
 Sample ID: SPOILS PILE #1/COMPO

ACZ Sample ID: **L86280-01**
 Date Sampled: 11/10/10 13:00
 Date Received: 01/20/11
 Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc)	M600/2-78-054 1.3	10.6	*		t CaCO3/Kt	0.1	0.5	02/07/11 10:00	brd
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	114	*		t CaCO3/Kt	0.1	0.5	02/07/11 10:00	brd
Acid-Base Potential (calc)	M600/2-78-054 1.3	103.4	*		t CaCO3/Kt	0.1	0.5	02/07/11 10:00	brd
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	13.9	*		%	0.1	0.5	02/01/11 14:45	bsu
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3 - Modified (No Heat)	11.4	*		%	0.1	0.5	02/05/11 3:00	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.30	*		%	0.01	0.1	02/04/11 0:00	bsu
Sulfur HNO3 Residue		0.15	*		%	0.01	0.1	02/04/11 0:00	bsu
Sulfur Organic Residual Mod		0.15	*		%	0.01	0.1	02/04/11 0:00	bsu
Sulfur Pyritic Sulfide		0.15	*		%	0.01	0.1	02/04/11 0:00	bsu
Sulfur Sulfate		0.04	B	*	%	0.01	0.1	02/04/11 0:00	bsu
Sulfur Total		0.34	*		%	0.01	0.1	02/04/11 0:00	bsu
Total Sulfur minus Sulfate		0.30	*		%	0.01	0.1	02/04/11 0:00	bsu

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/26/11 11:00	nrc
Crush and Pulverize	USDA No. 1, 1972							02/01/11 10:00	nrc
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2							02/01/11 9:30	njrc

American West Analytical Labs

ACZ Project ID: **L86280**

Project ID: 1101259

Carbon, total organic (TOC) ASA No.9 29-2.2.4 Combustion/IR

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296770													
WG296770PBS	PBS	02/01/11 13:30				U	%		-0.3	0.3			
L86280-01DUP	DUP	02/01/11 16:00			13.9	13.8	%				0.7	20	

Neutralization Potential as CaCO3 M600/2-78-054 3.2.3 - Modified (No Heat)

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296882													
WG296882PBS	PBS	02/04/11 10:30				U	%		-0.1	0.1			
WG296882LCSS	LCSS	02/04/11 18:45	PCN33453	100		98.63	%	98.6	80	120			
L86280-01DUP	DUP	02/05/11 11:15			11.4	11.55	%				1.3	20	

Sulfur Organic Residual Mod M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.15	.16	%				6.5	20	

Sulfur Pyritic Sulfide M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.15	.16	%				6.5	20	

Sulfur Sulfate M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.04	.04	%				0	20	RA

Sulfur Total M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
WG296756PBS	PBS	02/04/11 8:00				U	%		-0.03	0.03			
WG296756LCSS	LCSS	02/04/11 8:20	PCN35460	4.24		4.35	%	102.6	3.392	5.088			
L86280-01DUP	DUP	02/04/11 9:00			.34	.36	%				5.7	20	

Total Sulfur Minus Sulfate M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.3	.32	%				6.5	20	

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Acid Generation Potential (calc)	M600/2-78-054 1.3
Acid Neutralization Potential (calc)	M600/2-78-054 1.3
Acid-Base Potential (calc)	M600/2-78-054 1.3
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR
Neutralization Potential as CaCO ₃	M600/2-78-054 3.2.3 - Modified (No Heat)
Sulfur HCl Residue	M600/2-78-054 3.2.4-MOD
Sulfur HNO ₃ Residue	M600/2-78-054 3.2.4-MOD
Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD
Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4-MOD
Sulfur Sulfate	M600/2-78-054 3.2.4-MOD
Sulfur Total	M600/2-78-054 3.2.4-MOD
Total Sulfur minus Sulfate	M600/2-78-054 3.2.4-MOD

American West Analytical Labs
 1101259

ACZ Project ID: L86280
 Date Received: 01/20/2011 10:39
 Received By: gac
 Date Printed: 1/21/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L86280-01	SPOILS PILE #1/COMPO									X		

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

**INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE**

GENERAL INFORMATION

Excess Spoil Disposal Area #2

Report Date April 20, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

File Name Excess Spoil Disposal Area #2
File Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date March 24, 2011
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2011

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

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

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

2. Placement of underdrains and protective filter systems.

No under-drains or filters are required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

N/A

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

No aspects of the Fill structure were observed that could affect its stability or functionality

**INSPECTION AND CERTIFIED REPORT
ON EXCESS SPOIL PILE OR REFUSE PILE**

Excess Spoil Disposal Area #2

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

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect 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 meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nety Date: 4/25/11

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 the approved design and meets or exceeds 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.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

