C/007/035 Incoming
cc: Steve D.

Sunnyside Cogeneration Associates

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

January 17, 2017

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

RE: Annual 2016 Inspection Report
Sunnyside Refuse and Slurry C/007/035

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 2016 Inspection Report for the Sunnyside refuse pile, impoundments, and excess spoil areas.

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

Thank You,

Gerald Hascall / R.N.

Gerald Hascall
Agent For
Sunnyside Cogeneration Associates

c.c. Rusty Netz
Plant File

ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number:	C/007/035	Inspection Date:	Dec 22, 2016
Mine Name:	Sunnyside Refuse and Slurry		Annual 2016
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector:	Rusty Netz
MSHA ID Number:	N/A	Signature:	Rusty Netz
Impoundment Name:	**RailCut Sediment Pond #007**		
UPDES Permit Number:	UT024759		

IMPOUNDMENT INSPECTION

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 = 6207.6 +/-

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 snow and ice. 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.

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

ANNUAL INSPECTION FORM – IMPOUNDMENT

Rail Cut Sediment Pond

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

DMR report from the Sept 23 storm discharge is attached. Water discharged met UPDES effluent limits.

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

ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number:	C/007/035	Inspection Date:	Dec 22, 2016
Mine Name:	Sunnyside Refuse and Slurry		Annual 2016
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector:	Rusty Netz
MSHA ID Number:	N/A	Signature:	Rusty Netz
Impoundment Name:	**Old Coarse Refuse Road Sediment Pond #008**		
UPDES Permit Number:	UT024759		

IMPOUNDMENT INSPECTION

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 = 6394.6 +/-

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 outslopes of embankments, etc.

Pond had snow and ice. 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.

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 significant water was impounded Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

ANNUAL INSPECTION FORM – IMPOUNDMENT

Old Coarse Refuse Road Sediment Pond

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

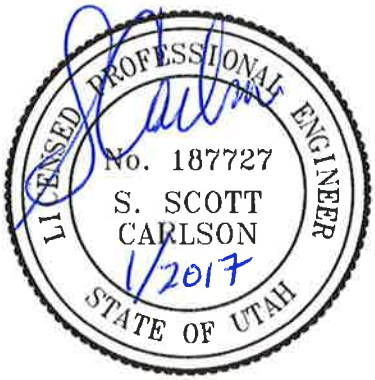
DMR report from the Sept 23 storm discharge is attached. Water discharged met effluent UPDES limits.

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



ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/035
Mine Name: Sunnyside Refuse and Slurry
Mine Operator (Permittee): Sunnyside Cogeneration Associates
MSHA ID Number: N/A
Impoundment Name: **Pasture Sediment Pond #009**
UPDES Permit Number: UT024759

Inspection Date: Dec 22, 2016
Annual 2016
Inspector: Rusty Netz
Signature: Rusty Netz

IMPOUNDMENT INSPECTION

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 = 6484.7 +/-

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 outslopes of embankments, etc.

Pond had snow and ice. 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.

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

Pond was cleaned out in 2016.
No significant water was impounded. Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

ANNUAL INSPECTION FORM – IMPOUNDMENT

Pasture Sediment Pond

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

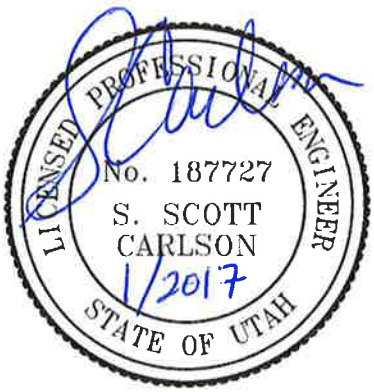
DMR report from the Sept 23 storm discharge is attached. Water discharged met UPDES effluent limits.

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



ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number:	C/007/035	Inspection Date:	Dec 22, 2016
Mine Name:	Sunnyside Refuse and Slurry		Annual 2016
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector:	Rusty Netz
MSHA ID Number:	N/A	Signature:	Rusty Netz
Impoundment Name:	**Coarse Refuse Toe Sediment Pond #012**		
UPDES Permit Number:	UT024759		

IMPOUNDMENT INSPECTION

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 = 6176.8 +/-

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 outslopes of embankments, etc.

Pond had snow and ice. 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.

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 significant water was impounded. Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

ANNUAL INSPECTION FORM – IMPOUNDMENT

Coarse Refuse Toe Sediment Pond

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

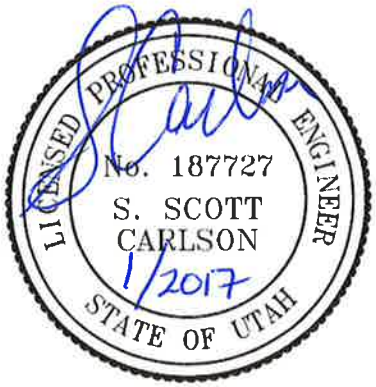
September storms filled pond but did not discharge. Water has since dissipated.

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



ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number:	C/007/035	Inspection Date:	Dec 22, 2016
Mine Name:	Sunnyside Refuse and Slurry		Annual 2016
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector:	Rusty Netz
MSHA ID Number:	N/A	Signature:	Rusty Netz
Impoundment Name:	**Coal Pile Sediment Pond #014**		
UPDES Permit Number:	UT024759		

IMPOUNDMENT INSPECTION

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 = 1.65 Acre-feet
Pond bottom elevation = 6471.5
100% Sediment Storage Volume = 0.65 acre-feet at Elevation 6476.0
60% Sediment Storage Volume = 0.45 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6471.7 +/-

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 snow and ice. 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.

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

Pond was cleaned out in 2016
No significant water was impounded. Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

ANNUAL INSPECTION FORM – IMPOUNDMENT

Coal Pile Sediment Pond

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

DMR report from the Sept 23 storm discharge is attached. Water discharged met UPDES effluent limits.

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

ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number:	C/007/035	Inspection Date:	Dec 22, 2016
Mine Name:	Sunnyside Refuse and Slurry		Annual 2016
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector:	Rusty Netz
MSHA ID Number:	N/A	Signature:	Rusty Netz
Impoundment Name:	**Borrow Area Sediment Pond #016**		
UPDES Permit Number:	UT024759		

IMPOUNDMENT INSPECTION

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 = 6510 +/-

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 some snow and ice. 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.

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 significant water was impounded. Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

ANNUAL INSPECTION FORM – IMPOUNDMENT

Borrow Area Sediment Pond

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

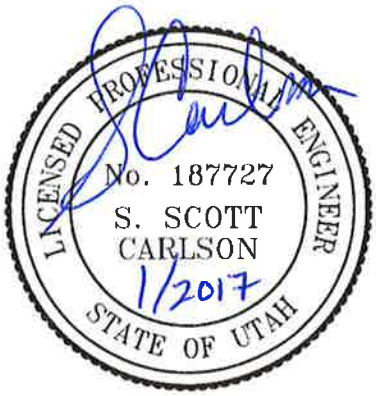
September storms filled this pond but did not discharge. Water has since dissipated.

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



ANNUAL INSPECTION FORM – REFUSE PILE

Permit Number: C/007/035
Mine Name: Sunnyside Refuse and Slurry
Mine Operator (Permittee): Sunnyside Cogeneration Associates
MSHA ID Number: 1211-UT-09-02093-01
Facility Name: **Coarse Refuse Pile**

Inspection Date: Dec 22, 2016
Annual 2016
Inspector: Rusty Netz
Signature: Rusty Netz

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **Refuse material is actively being excavated and removed from various locations across the top of the pile**
2. Lift Height / Thickness Avg **15** Maximum **25** Elevation of Active Benches: **approximately 6430, 6450, 6460**
3. Vertical angle of outslope(s) / Location(s) where measured **max 2:1 NW face**
4. Current estimated volume: **approx 3.0–3.35 Million Tons** Volume removed during year: **2016 ytd: apx. 60,000tons**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **NA**
6. Describe Placement and compaction of fill materials (including an explanation of how compaction is confirmed): **N/A - Activities occurring at this time are associated with removal of refuse material**
7. Is there any evidence of fires or burning on the structure? (if Yes, specify extent, location , and abatement / extinguishment of such fires): **No evidence of fires observed**
8. Describe placement of underdrains and protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow): **No underdrains exist. Current surface drainage is in place. No seepage is visible**
9. Describe any appearances of instability, structural weakness, and other hazardous conditions **No aspects of the Fill structure were observed that could affect its stability or functionality or which indicated hazardous conditions**
10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)
    a. Are there any cracks or scarps in crest? **NO** **none observed**
    b. Is there any detectable sloughing or bulging? **NO** **none observed**
    c. Do slope erosion problems exist? **NO** Sept storms caused erosion on west slope. Repairs were completed. See photo.
    d. Cracks or scarps in slope? **NO** **none observed**
    e. Surface movements? (valley bottom, hillsides) **NO** **none observed**
    f. Erosion of Toe? **NO** **none observed**
    g. Water impounded by structure? **NO** **none observed**
    h. Are diversion ditches stable? **YES** **appear reasonable**
    i. Is drainage positive? **YES** **surface runoff flows to collection ditches**
    j. Could failure of structure create an impoundment (provide description)? **No surface water flows exist in the vicinity**
    k. Are design standards established within the mining and reclamation plan for the disposal facility being met? **Yes**
    l. Proctor Determination: **none required**

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

LICENSED PROFESSIONAL ENGINEER
No. 187727
S. SCOTT CARLSON
1/2017
STATE OF UTAH

ANNUAL INSPECTION FORM – EXCESS SPOIL DISPOSAL AREA

Permit Number: C/007/035
Mine Name: Sunnyside Refuse and Slurry
Mine Operator (Permittee): Sunnyside Cogeneration Associates
MSHA ID Number: 1211-UT-09-02093-04
Facility Name: **Excess Spoil Disposal Area #1**

Inspection Date: Dec 22, 2016
Annual 2016
Inspector: Rusty Netz
Signature: Rusty Netz

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **No material was placed in this disposal area during the year**
2. Lift Height / Thickness Avg **2-4 ft** Maximum **4 ft** Elevation of Active Benches: **approx 6500-6520**
3. Vertical angle of outslope(s) / Location(s) where measured **max 2.5:1 North face**
4. Total storage capacity: **400K-500K cuyd** Remaining storage capacity **estimated 50K-100K cuyd** Volume placed during year: **2016 ytd: none**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **Organic material was removed. No topsoil existed since this was a previously disturbed location**
6. Describe Placement and compaction of fill materials (including an explanation of how compaction is confirmed): **Material is generally granular by nature so it is placed, spread by dozer and compacted by wheel rolling**
7. Is there any evidence of fires or burning on the structure? (if Yes, specify extent, location , and abatement / extinguishment of such fires): **No evidence of fires observed**
8. Describe placement of underdrains and protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow): **No underdrains exist. Surface drainage is collected on terrace ditches and diverted off of pile. No seepage is visible**
9. Describe any appearances of instability, structural weakness, and other hazardous conditions **No aspects of the Fill structure were observed that could affect its stability or functionality or which indicated hazardous conditions**
10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)
    a. Are there any cracks or scarps in crest? **NO** **none observed**
    b. Is there any detectable sloughing or bulging? **NO** **none observed**
    c. Do slope erosion problems exist? **NO** **erosion conditions are minimal**
    d. Cracks or scarps in slope? **NO** **none observed**
    e. Surface movements? (valley bottom, hillsides) **NO** **none observed**
    f. Erosion of Toe? **NO** **none observed**
    g. Water impounded by structure? **NO** **none observed**
    h. Are diversion ditches stable? **YES** **appear reasonable**
    i. Is drainage positive? **YES** **surface runoff flows to collection ditches**
    j. Could failure of structure create an impoundment (provide description)? **No surface water flows exist in the vicinity**
    k. Are design standards established within the mining and reclamation plan for the disposal facility being met? **Yes**
    l. Proctor Determination: **none required**
11. Provide copies of sample analysis for material placed in the fill. **Sample analysis was provided in December 2012 for most recent material placed in fill.**

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

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
1/2017
STATE OF UTAH

ANNUAL INSPECTION FORM – EXCESS SPOIL DISPOSAL AREA

Permit Number:	C/007/035	Inspection Date:	Dec 22, 2016
Mine Name:	Sunnyside Refuse and Slurry		Annual 2016
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector:	Rusty Netz
MSHA ID Number:	1211-UT-09-02093-05	Signature:	Rusty Netz
Facility Name:	**Excess Spoil Disposal Area #2**		

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **Approx 29,000 tons of material placed in the Phase II area during the year**
2. Lift Height / Thickness Avg **2-4 ft** Maximum **4 ft** Elevation of Active Benches: **approx 6550**
3. Vertical angle of outslope(s) / Location(s) where measured **approx. 5:1**
4. Total storage capacity Phase II Area: **300K-350K cuyd** Remaining storage capacity **estimated 115K-165K cuyd**
   Volume placed during year: **2016 ytd: 9,870 +6,390+5,390 +7,315 tons**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **Organic material was removed. Subsoil was removed for reclamation on Phase 1 area.**
6. Describe Placement and compaction of fill materials (including an explanation of how compaction is confirmed): **Material is generally granular by nature so it is placed, spread by dozer and compacted by wheel rolling**
7. Is there any evidence of fires or burning on the structure? (if Yes, specify extent, location , and abatement / extinguishment of such fires): **No evidence of fires observed**
8. Describe placement of underdrains and protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow): **No underdrains exist. A permanent culvert routes surface water from the east side to west side of the Phase 1 area. Surface drainage is collected in perimeter ditches and diverted to sediment pond. No seepage is visible**
9. Describe any appearances of instability, structural weakness, and other hazardous conditions **No aspects of the Fill structure were observed that could affect its stability or functionality or which indicated hazardous conditions**
10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)
    a. Are there any cracks or scarps in crest? **NO** **none observed**
    b. Is there any detectable sloughing or bulging? **NO** **none observed**
    c. Do slope erosion problems exist? **NO** **erosion conditions are minimal**
    d. Cracks or scarps in slope? **NO** **none observed**
    e. Surface movements? (valley bottom, hillsides) **NO** **none observed**
    f. Erosion of Toe? **NO** **none observed**
    g. Water impounded by structure? **NO** **none observed**
    h. Are diversion ditches stable? **YES** **appear reasonable**
    i. Is drainage positive? **YES** **surface runoff flows to collection ditches**
    j. Could failure of structure create an impoundment (provide description)? **No surface water flows exist in the vicinity**
    k. Are design standards established within the mining and reclamation plan for the disposal facility being met? **Yes**
    l. Proctor Determination: **none required**
11. Provide copies of sample analysis for material placed in the fill. **Sample analyses for material placed during 2016 will be included in 1st qtr report 2017**

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

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
1/2017
STATE OF UTAH

Rail Cut Pond – 007 - Looking northerly Sept 23, 2016

A major storm brought approximately 6 inches of rain in about 24 hours to the Sunnyside area on September 22, 2016. Sediment ponds at the SCA Sunnyside facilities handled the runoff well. Discharges occurred at Rail Cut Pond -007, Old Coarse Refuse Road Pons -008, Pasture Pond -009, and Coal Pile Sediment Pond -014. Other sediment ponds filled nearly full but did not discharge.

Borrow Area Pond – 016 – Looking southerly Sept 23, 2016

Coarse Refuse Pile – NorthWest Facing Slope Jan 4, 2017

A major storm brought approximately 6 inches of rain in about 24 hours to the Sunnyside area on September 22, 2016. Erosion occurred on this outer slope of the coarse refuse pile. Repairs were made to the eroded area and can be seen on the upper white stripe (covered with snow) in this photo.

DMR Copy of Record

Permit

Permit #:	UT0024759	**Permittee:**	SUNNYSIDE COGENERATION ASSOC.	**Facility:**	SUNNYSIDE CONGENERATION ASSOC.
Major:	No	**Permittee Address:**	P. O BOX 10 EAST CARBON, UT 84520	**Facility Location:**	P. O BOX 10 P.O. BOX 10 SUNNYSIDE, UT 84520
Permitted Feature:	007 External Outfall	**Discharge:**	007-A RAIL CUT POND, ICELANDER CREEK		

Report Dates & Status

Monitoring Period:	From 09/01/16 to 09/30/16	**DMR Due Date:**	10/28/16	**Status:**	NetDMR Validated

Considerations for Form Completion

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & THIS SHALL NOT EXCEED 10 MG/L SETTEABLE SOLIDS SHALL BE MONITORED DURING RUN OFF EVENTS. USE N/A FOR SETTEABLE SOLIDS WHEN APPROPRIATE

Principal Executive Officer

First Name:	Gerald	**Title:**	Plant Manager	**Telephone:**	435-888-4476
Last Name:	Hascall				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Quantity 1	Value 1	Quantity 2	Value 2	Units	Quality or Concentration Quantity 1	Value 1	Quantity 2	Value 2	Quantity 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00056	Flow rate	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI	<=	1 30DA AVG 9 - Conditional Monitoring - Not Required This Period		Req Mon DAILY MX 9 - Conditional Monitoring - Not Required This Period	03 - MGD									01/30 - Monthly	MS - MEASRD
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI						>=	5 MO AV MN 9 - Conditional Monitoring - Not Required This Period					19 - mg/L		01/30 - Monthly	GR - GRAB
00400	pH	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI						< >=	8 97 6 5 MINIMUM			<< >=	8 97 9 MAXIMUM	12 - SU 12 - SU		01/30 - Monthly 01/30 - Monthly	GR - GRAB GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI						>=	25 30DA AVG 9 - Conditional Monitoring - Not Required This Period	>=	35 MX 7D AV 9 - Conditional Monitoring - Not Required This Period	>=	70 DAILY MX 9 - Conditional Monitoring - Not Required This Period	19 - mg/L		01/30 - Monthly	GR - GRAB
00545	Solids, settleable	Q - See Comments	0	–	Sample Permit Req. Value NODI										>=	5 DAILY MX 9 - Conditional Monitoring - Not Required This Period	25 - mL/L		01/30 - Monthly	GR - GRAB
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI										>=	1 DAILY MX 9 - Conditional Monitoring - Not Required This Period	19 - mg/L		01/30 - Monthly	GR - GRAB
03582	Oil and grease	O - See Comments	0	–	Sample Permit Req. Value NODI										>=	10 DAILY MX 9 - Conditional Monitoring - Not Required This Period	19 - mg/L		01/30 - Monthly	GR - GRAB
45614	Sanitary waste discharged-assessment	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI				Req Mon DAILY MX 9 - Conditional Monitoring - Not Required This Period	9P - N=0;Y=1									01/30 - Monthly	VI - VISUAL
70295	Solids, total dissolved	P - See Comments	0	–	Sample Permit Req. Value NODI										>=	1650 DAILY MX 9 - Conditional Monitoring - Not Required This Period	19 - mg/L		01/30 - Monthly	GR - GRAB
84066	Oil and grease visual	O - See Comments	0	–	Sample Permit Req. Value NODI				Req Mon DAILY MX 9 - Conditional Monitoring - Not Required This Period	9P - N=0;Y=1									01/30 - Monthly	VI - VISUAL

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors

Comments

On 9/22/16 thru 9/23/16, the Sunnyside Facility (SCA) site received 5.5 inches of rain in a 24 hr. period. This rain event was greater than the 10yr/24hr. storm event and greater than the 100 yr. storm event. SCA misunderstood the language in it's UPDES permit and did not sample for all the parameters under Part I.D.1. SCA only sampled for pH from the 007 UPDES discharge outfall. The language in SCAs permit states that during a storm event greater than the 10yr/24hr storm event the permittee may comply with pH only. But later, the permit language talks about the requirement to sample all parameters to substitute the pH only limitation. Even though pH is the only parameter used to determine compliance, the other parameter should be sampled for informational purposes. It must be noted that, during a storm event greater than the 10yr/24hr event, the only applicable limitation is pH. SCA sampled for pH and did not violate any water quality permit limits (Per Mike Herkimer). Mike Herkimer of UDWQ was very helpful in clarifying the language in SCAs permit. SCA understands the mistake that was made and fully understands the requirement to sample in the future.

Attachments

No attachments

Report Last Saved By

SUNNYSIDE COGENERATION ASSOC.

User:	Sunnyside1	Date/Time:	2016-10-17 15:07 (Time Zone: -06:00)
Name:	Rusty Netz		
E-Mail:	rnetz@sscogen.com		

DMR Copy of Record

Permit

Permit #:	UT0024759	**Permittee:**	SUNNYSIDE COGENERATION ASSOC	**Facility:**	SUNNYSIDE CONGENERATION ASSOC
Major:	No	**Permittee Address:**	P O BOX 10 EAST CARBON, UT 84520	**Facility Location:**	P O BOX 10 P O BOX 10 SUNNYSIDE, UT 84520
Permitted Feature:	008 External Outfall	**Discharge:**	008-A OLD COARSE REF PND ICELANDER		

Report Dates & Status

Monitoring Period:	From 09/01/16 to 09/30/16	**DMR Due Date:**	10/28/16	**Status:**	NetDMR Validated

Considerations for Form Completion

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & THISSHALL NOT EXCEED 10 MG/L SETTLEABLE SOLIDS SHALL BEMONITORED DURING RUN OFF EVENTS USE N/A FOR SETTEABLE SOLIDS WHENAPPRPRIATE

Principal Executive Officer

First Name:	Gerald	**Title:**	Plant Manager	**Telephone:**	435-888-4476
Last Name:	Hascall				

No Data Indicator (NODI)

Form NODI: –

Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00056	Flow rate	1 - Effluent Gross	0	–	Sample:															
					Permit Req.	<=	1 30DA AVG		Req Mon DAILY MX	03 - MGD									01/30 - Monthly	MS - MEASRD
					Value NODI		9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period											
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Sample															
					Permit Req.						>=	5 MO AV MN					19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI							9 - Conditional Monitoring - Not Required This Period								
00400	pH	1 - Effluent Gross	0	–	Sample							8 98			<=	8 98	12 - SU		01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6 5 MINIMUM			<=	9 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	–	Sample															
					Permit Req.						<=	25 30DA AVG	<=	35 MX 7D AV	<=	70 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI							9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period				
00545	Solids, settleable	Q - See Comments	0	–	Sample															
					Permit Req.										<=	5 DAILY MX	25 - mL/L		01/30 - Monthly	GR - GRAB
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
01045	Iron, total [as Fe]	1 - Effluent Gross	0	–	Sample															
					Permit Req.										<=	1 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
03582	Oil and grease	Q - See Comments	0	–	Sample															
					Permit Req.										<=	10 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
45814	Sanitary waste discharged-assessment	1 - Effluent Gross	0	–	Sample															
					Permit Req.				Req Mon DAILY MX	9P - N=0;Y=1									01/30 - Monthly	VI - VISUAL
					Value NODI				9 - Conditional Monitoring - Not Required This Period											
70295	Solids, total dissolved	P - See Comments	0	–	Sample															
					Permit Req.										<=	1650 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
84066	Oil and grease visual	Q - See Comments	1	–	Sample															
					Permit Req.			<=	0 DAILY MX	9P - N=0;Y=1									01/30 - Monthly	VI - VISUAL
					Value NODI				9 - Conditional Monitoring - Not Required This Period											

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type

Edit Check Errors

No errors

Comments

On 9/22/16 thru 9/23/16, the Sunnyside Facility (SCA) site received 5.8 inches of rain in a 24 hr. period. This rain event was greater than the 10yr/24hr. storm event and greater than the 100 yr. storm event. SCA misunderstood the language in it's UPDES permit and did not sample for all the parameters under Part I.D.1. SCA only sampled for pH from the 007 UPDES discharge outfall. The language in SCAs permit states that during a storm event greater than the 10yr/24hr storm event the permittee may comply with pH only. But later, the permit language talks about the requirement to sample all parameters to substitute the pH only limitation. Even though pH is the only parameter used to determine compliance; the other parameter should be sampled for informational purposes. It must be noted that, during a storm event greater than the 10yr/24hr event, the only applicable limitation is pH. SCA sampled for pH and did not violate any water quality permit limits (Per Mike Herkimer). Mike Herkimer of UDWQ was very helpful in clarifying the language in SCAs permit. SCA understands the mistake that was made and fully understands the requirement to sample in the future.

Attachments

No attachments

Report Last Saved By

SUNNYSIDE COGENERATION ASSOC.

User:	Sunnyside1	Date/Time:	2016-10-17 15:09 (Time Zone -06:00)
Name:	Rusty Netz		
E-Mail:	rnetz@sscogen.com		

DMR Copy of Record

Permit

Permit #:	UT0024759	**Permittee:**	SUNNYSIDE COGENERATION ASSOC.	**Facility:**	SUNNYSIDE CONGENERATION ASSOC
Major:	No	**Permittee Address:**	P. O BOX 10 EAST CARBON, UT 84520	**Facility Location:**	P. O BOX 10 P.O. BOX 10 SUNNYSIDE, UT 84520
Permitted Feature:	009 External Outfall	**Discharge:**	009-A PASTURE POND, ICELANDER CREEK		

Report Dates & Status

Monitoring Period:	From 09/01/16 to 09/30/16	**DMR Due Date:**	10/22/16	**Status:**	NetDMR Validated

Considerations for Form Completion

IF AN O & G SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN FOR O & G & SHALL NOT EXCEED 10 MG/L. SETTLEABLESOLIDS SHALL BE MONITORED DURINGRUN OFF EVENTS.USE N/A FOR SETTEABLE SOLIDS WHENAPPROPRIATE.

Principal Executive Officer

First Name:	Gerald	**Title:**	Plant Manager	**Telephone:**	435-888-4478
Last Name:	Hascall				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Sample #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00056	Flow rate	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	MS - MEASRD
					Permit Req.	<=	1 30DA AVG		Req Mon DAILY MX	03 - MGD										
					Value NODI		9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period											
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						>=	5 MO AV MIN					19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.							9 - Conditional Monitoring - Not Required This Period								
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						>	8 19			<	8 19	12 - SU		01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6 5 MINIMUM			<=	9 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						<=	25 30DA AVG	<=	35 MX 7D AV	<=	70 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.							9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period				
					Value NODI															
00545	Solids, settleable	Q - See Comments	0	--	Sample										<=	5 DAILY MX	25 - mL/L		01/30 - Monthly	GR - GRAB
					Permit Req.											9 - Conditional Monitoring - Not Required This Period				
					Value NODI															
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample										<=	1 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.											9 - Conditional Monitoring - Not Required This Period				
					Value NODI															
03582	Oil and grease	O - See Comments	0	--	Sample										<=	10 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.											9 - Conditional Monitoring - Not Required This Period				
					Value NODI															
45614	Sanitary waste discharged-seaseamnt	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	VI - VISUAL
					Permit Req.				Req Mon DAILY MX	SP - N=0;Y=1										
					Value NODI				9 - Conditional Monitoring - Not Required This Period											
70508	Solids, total dissolved	P - See Comments	0	--	Sample										<=	1650 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.											9 - Conditional Monitoring - Not Required This Period				
					Value NODI															
84066	Oil and grease visual	O - See Comments	0	--	Sample														01/30 - Monthly	VI - VISUAL
					Permit Req.			<=	0 DAILY MX	SP - N=0;Y=1										
					Value NODI				9 - Conditional Monitoring - Not Required This Period											

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type

Edit Check Errors

No errors

Comments

On 9/22/16 thru 9/23/16, the Sunnyside Facility (SCA) site received 5.8 inches of rain in a 24 hr. period. This rain event was greater than the 10yr/24hr. storm event and greater than the 100 yr. storm event. SCA misunderstood the language in it's UPDES permit and did not sample for all the parameters under Part I.D.1. SCA only sampled for pH from the 007 UPDES discharge outfall. The language in SCAs permit states that during a storm event greater than the 10yr/24hr storm event the permittee may comply with pH only. But later, the permit language talks about the requirement to sample all parameters to substitute the pH only limitation. Even though pH is the only parameter used to determine compliance, the other parameter should be sampled for informational purposes. It must be noted that, during a storm event greater than the 10yr/24hr event, the only applicable limitation is pH. SCA sampled for pH and did not violate any water quality permit limits (Per Mike Herkimer). Mike Herkimer of UDWQ was very helpful in clarifying the language in SCAs permit. SCA understands the mistake that was made and fully understands the requirement to sample in the future.

Attachments

No attachments

Report Last Saved By

SUNNYSIDE COGENERATION ASSOC.

User:	Sunnyside1	Date/Time:	2016-10-17 15:10 (Time Zone: -06:00)
Name:	Rusty Netz		
E-Mail:	rnetz@sscogen.com		

DMR Copy of Record

Permit

Permit #:	UT0024759	**Permittee:**	SUNNYSIDE COGENERATION ASSOC.	**Facility:**	SUNNYSIDE CONGENERATION ASSOC.
Major:	No	**Permittee Address:**	P O BOX 10 EAST CARBON, UT 84520	**Facility Location:**	P O BOX 10 P.O. BOX 10 SUNNYSIDE, UT 84520
Permitted Feature:	014 External Outfall	**Discharge:**	014-A ICELANDER CREEK		

Report Dates & Status

Monitoring Period:	From 09/01/16 to 09/30/16	**DMR Due Date:**	10/28/16	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:	Gerald	**Title:**	Plant Manager	**Telephone:**	435-888-4476
Last Name:	Hascall				

No Data Indicator (NODI)

Form NODI: –

Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00056	Flow rate	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI	<=	1 30DA AVG 9 - Conditional Monitoring - Not Required This Period		Req Mon DAILY MX 9 - Conditional Monitoring - Not Required This Period	03 - MGD									01/30 - Monthly	MS - MEASRD
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI						>=	5 DAILY MN 9 - Conditional Monitoring - Not Required This Period					19 - mg/L		01/30 - Monthly	GR - GRAB
00400	pH	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI						= >=	8 31 6 5 MINIMUM			= >=	8 31 9 MAXIMUM	12 - SU 12 - SU		01/30 - Monthly 01/30 - Monthly	GR - GRAB GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI						<=	25 30DA AVG 9 - Conditional Monitoring - Not Required This Period	<=	35 MX 7D AV 9 - Conditional Monitoring - Not Required This Period	<=	50 DAILY MX 9 - Conditional Monitoring - Not Required This Period	19 - mg/L		01/30 - Monthly	GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI								<=	15 30DA AVG 9 - Conditional Monitoring - Not Required This Period	<=	20 DAILY MX 9 - Conditional Monitoring - Not Required This Period	19 - mg/L		01/30 - Monthly	GR - GRAB
45614	Sanitary waste discharged-assessmnt	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI				Req Mon DAILY MX 9 - Conditional Monitoring - Not Required This Period	SP - N=0;Y=1									01/30 - Monthly	VI - VISUAL
70295	Solids, total dissolved	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI										<=	1650 DAILY MX 9 - Conditional Monitoring - Not Required This Period	19 - mg/L		01/30 - Monthly	GR - GRAB
84066	Oil and grease visual	1 - Effluent Gross	0	–	Sample Permit Req. Value NODI				Req Mon DAILY MX 9 - Conditional Monitoring - Not Required This Period	SP - N=0;Y=1									01/30 - Monthly	VI - VISUAL

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

On 9/22/16 thru 9/23/16, the Sunnyside Facility (SCA) site received 5.8 inches of rain in a 24 hr. period. This rain event was greater than the 10yr/24hr. storm event and greater than the 100 yr storm event. The language in SCAs permit states that during a storm event greater than the 10yr/24hr storm event the permittee is required to sample for pH only.

DMR Copy of Record

Permit

Permit #:	UT0024759	**Permittee:**	SUNNYSIDE COGENERATION ASSOC	**Facility:**	SUNNYSIDE CONGENERATION ASSOC
Major:	No	**Permittee Address:**	P. O BOX 10 EAST CARBON, UT 84520	**Facility Location:**	P O BOX 10 P.O. BOX 10 SUNNYSIDE, UT 84520
Permitted Feature:	SUM External Outfall	**Discharge:**	SUM-A THE SUM OF ALL OUTFALLS		

Report Dates & Status

Monitoring Period:	From 09/01/16 to 09/30/16	**DMR Due Date:**	10/28/16	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:	Gerald	**Title:**	Plant Manager	**Telephone:**	435-888-4476
Last Name:	Hascall				

No Data Indicator (NODI)

Form NODI: –

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
70295	Solids, total dissolved	1 - Effluent Gross	0	–		<=	2000	DAILY MX		26 - lb/d									01/30 - Monthly	GR - GRAB
							9 - Conditional Monitoring - Not Required This Period													

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type

Edit Check Errors

No errors.

Comments

On 9/22/16 thru 9/23/16, the Sunnyside Facility (SCA) site received 5 8 inches of rain in a 24 hr. period. This rain event was greater than the 10yr/24hr. storm event and greater than the 100 yr. storm event. SCA misunderstood the language in it's UPDES permit and did not sample for all the parameters under Part I.D.1. SCA only sampled for pH from the 007 UPDES discharge outfall. The language in SCAs permit states that during a storm event greater than the 10yr/24hr storm event the permittee may comply with pH only. But later, the permit language talks about the requirement to sample all parameters to substitute the pH only limitation. Even though pH is the only parameter used to determine compliance, the other parameter should be sampled for informational purposes. It must be noted that, during a storm event greater than the 10yr/24hr event, the only applicable limitation is pH. SCA sampled for pH and did not violate any water quality permit limits (Per Mike Herkimer). Mike Herkimer of UDWQ was very helpful in clarifying the language in SCAs permit. SCA understands the mistake that was made and fully understands the requirement to sample in the future.

Attachments

No attachments

Report Last Saved By

SUNNYSIDE COGENERATION ASSOC.

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