

C/007/0042  
Received 4/10/20  
Task #6131



**SUNNYSIDE COGENERATION ASSOCIATES  
STAR POINT REFUSE (WASTE FUEL)  
C/007/0042  
2019 ANNUAL REPORT**

Submitted to:

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801



**SUNNYSIDE COGENERATION ASSOCIATES**  
**STAR POINT WASTE FUEL**  
**2019 ANNUAL REPORT**

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## I. GENERAL PERMIT INFORMATION

**Permit Number:** C/007/042

**Mine Name:** Star Point Waste Fuel

**Permittee:** Sunnyside Cogeneration Associates

**Company Representative  
& Resident Agent:** Mr. Gerald Hascall  
Plant Manager  
One Power Plant Road  
PO Box 159  
Sunnyside, UT 84539  
(435) 888-4476  
(435) 888-2538 fax

**Date of Initial Permanent Program Permit:** November 14, 2003

**Date of Most Recent Permit Renewal:** November 14, 2018  
The reclamation bond for SCA's Star Point facility was renewed during mid-term review 2016.  
It will be time again to renew the reclamation bond in 2021.

**Date of Expiration:** November 14, 2023



## II. IDENTIFICATION OF OTHER PERMITS

**MSHA ID Numbers:** Star Point Refuse Pile Mine ID No. 42-02334

MSHA granted approval for final abandonment of the Coarse Refuse Pile on January 28, 2004. As such, SCA's Star Point Waste Fuel Mine has no MSHA qualifying facilities or structures. The mine ID number remains active.

**UPDES Discharge Permit Number: UTG040025** Approved Sept 1, 2002  
Renewed Sept 1, 2018  
Expires August 31, 2023

The UDWQ has also issued SCA a general storm water discharge permit to regulate discharges from the three sediment ponds in the mining permit area (Ponds 005, 006 & 009). SCA submits monthly discharge monitoring reports to the DWQ. UDEQ DWQ renewed the General Coal Mining Permit No. UTG040000 in 2018. SCA's general permit was then renewed with reference to the state permit.

### **Air Quality Permit:**

The operations on the Star Point Waste Coal Pile are of such a nature that the mining operation generates little to no emissions. The Utah State Department of Air Quality (DAQ) has determined that special air quality permitting is not required. DAQ issued a Small Source Exemption – De Minimis Emissions permit / letter for the Star Point Waste Fuel operation.



### III. CERTIFIED REPORTS

Each impoundment as well as the Refuse Pile and the proposed Disposal Area were inspected in accordance with the requirements of the Mining and Reclamation Permit. The quarterly and annual inspection / certification reports were submitted to the Division. These reports are also included in **Appendix A**.

Excavation of Refuse from the Refuse Pile occurred in general conformance with the operational criteria and performance standards established in the permit. In 2019, the operator excavated coal material by removing refuse directly from the top of the main refuse pile.

No new material was placed in the Disposal Area during the year.



## **IV. REPORTING OF OTHER TECHNICAL DATA**

### **1. Climatological Data**

Not required in the approved permit.

### **2. Subsidence Monitoring Data**

No subsidence monitoring is required by the approved plan. No material damage or diminution within the Permit Area will be caused by subsidence because no underground coal resources are available within the permit area that would cause subsidence. No past or future underground coal mining operations have or are likely to occur within the SCA Permit Area.

### **3. Vegetation Monitoring Data**

Two areas within the permit area have received final reclamation treatment. These are located at the west end of the permit area and at the southeast side, both adjoining the permit boundary. These areas were reclaimed by RAG in accordance with their reclamation work on the Star Point Mine. These areas received final (Phase III) bond release in 2013.

### **4. Raptor Surveys**

Raptor studies were conducted by DWR in 2002. No additional periodic raptor studies are required by the approved permit.

### **5. Water Monitoring Data**

Water monitoring is not required in the approved plan. SCA's operations to remove the refuse pile are not located in or around surface or ground water sources. Storm runoff is controlled and treated in sediment ponds regulated through the Storm Water Permit and UPDES Discharge Permit discussed above. No discharge occurred from these ponds in 2019.



## **6. Geological / Geophysical Data**

No periodic Geological / Geophysical monitoring is required in the approved plan. The data included as resource information in the plan has been determined adequate for the operations of SCA. In the event that the operations of SCA change dramatically such that additional geologic or geophysical data becomes necessary, additional analysis will be performed at that time.

## **7. Engineering Data**

### **a. Refuse Excavation**

During 2019, SCA excavated approximately 240,083 tons of coal materials at the Star Point facility. This material was all transported to SCA's Sunnyside facilities.

### **b. Disposal Area**

During 2019 no new material was deposited in the disposal area.

Inspections of the refuse area and the disposal area are conducted on a quarterly basis. Reports from these site visits are submitted to the Division throughout the year and have been included in this report with the certified reports.

## **8. Soils Monitoring Data**

No periodic soil monitoring is required by the approved plan. The approved subsoil storage pile reserved for reclamation activities has previously undergone soils studies from which the data is included in Chapter 2 of the Permit.

In the event that SCA determines it necessary to utilize soils from other sources for reclamation, the proper analysis will be performed at that time.

## **9. Other Data**

No additional periodic data is required in the approved plan.



## V. LEGAL, FINANCIAL, COMPLIANCE & RELATED INFORMATION

Sunnyside Cogeneration Associates is a joint venture between Sunnyside Holdings I, Inc. and Colmac Utah Inc. **Appendix B** includes copies of the Certificates of Existence for Sunnyside Cogeneration Associates, Colmac Utah Inc, Sunnyside Holdings I. Inc. and its parent company Colmac Sunnyside, Inc. The Utah Department of Commerce, Division of Corporations and Commercial Code issues these certificates. They demonstrate that the entities are in good standing with the State of Utah.



## VI. MINE MAPS

The mine map included in **Appendix C** of this report identifies the areas mined during 2019. This refuse is utilized as fuel for the Sunnyside Cogeneration Facility. The aerial survey used to generate contours of the site was performed in April 2017. A photo inset on the drawing documents the conditions in late 2018.

Mining activity proposed for the next five years is projected to occur in general conformance with the mining plan shown on the PE Certified drawings approved in the Mining and Reclamation Permit.

# 2019 ANNUAL REPORT

Submit the completed document and any additional information identified to the Division by March 31, 2020.

## GENERAL INFORMATION

Company Name	Sunnyside Cogeneration Assoc.	Mine Name	Star Point Waste Fuel
Permit Number	C/007/0042	Permit Expiration Date	2023-11-14
Operator Name	Gerald Hascall - Plant Manager	Phone Number	+1 (435) 888-4476
Mailing Address	PO Box 159	Email	
City	Sunnyside		
State	UT	Zip Code	84539

## DOGM File Location or Annual Report Location

Excess Spoil Piles	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Submitted Quarterly to DOGM
Refuse Piles	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Submitted Quarterly to DOGM
Impoundments	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Submitted Quarterly to DOGM
Other:		

## OPERATOR COMMENTS

Sediment Ponds, Refuse Pile and Excess Spoil Disposal Area were inspected quarterly and PE Certified reports were submitted to the division.  
All impoundments performed as designed. No discharges were recorded in 2019  
Refuse Pile is being excavated as intended and in conformance with the approved plan

## REVIEWER COMMENTS

Met Requirements  Did Not Meet Requirements

# FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

**Title: SOIL SAMPLING**

**Objective:** To ensure four feet of suitable material.

**Frequency:** At final reclamation sample for parameters described in Section 242 and Sec. 542.700

**Status:** During reclamation

**Reports:** Confer with Division and include in Annual Report

**Citation:** Section 242

# REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

In 2019, SCA excavated approximately 240,083 tons of refuse material from this site and transported it to the SCA Sunnyside facility. No new material was placed in the disposal area during 2019.

**REVIEWER COMMENTS**

Met Requirements

Did Not Meet Requirements

# MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
Mine Map	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**REVIEWER COMMENTS**

Met Requirements

Did Not Meet Requirements



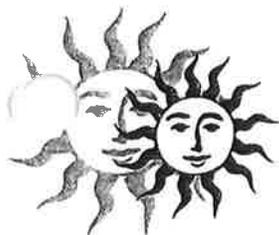
## **APPENDIX A CERTIFIED REPORTS**



**APPENDIX A  
CERTIFIED REPORTS**

**FIRST QUARTER INSPECTION**

**IMPOUNDMENTS, REFUSE PILE  
AND DISPOSAL AREA**



## Sunnyside Operations Associates L.P.

P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • Fax (801) 888-2538

April 19, 2019

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

RE: 1<sup>st</sup> Quarter 2019 Inspection Report  
Star Point Refuse Pile C/007/042

Dear Daron:

Please find enclosed a copy of the First Quarter 2019 Inspection Report for the Star Point refuse pile, impoundments, and excess spoil area.

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

Thank You,

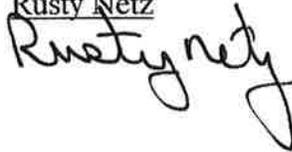
Gerald Hascall  
Agent For  
Sunnyside Cogeneration Associates

c.c. Rusty Netz  
Plant File

# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: N/A  
Impoundment Name: Sediment Pond #005  
UPDES Permit Number: UTG040025

Inspection Date: March 28, 2019  
First Quarter 2019

Inspector: Rusty Netz  
Signature: 

## 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 = 6.96 Acre-feet  
Pond bottom elevation = 7387.3  
100% Sediment Storage Volume = 2.42 acre-feet at Elevation 7394.9  
60% sediment Storage Volume = 1.45 acre feet at Elevation = 7393  
Existing Average Sediment Elevation = 7392 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7394.9  
Emergency Spillway Elevation = 7401.3

## 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 little to no water. No discharge occurred during the quarter.  
Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 water was impounded. Sediment level was good.  
No other aspects were observed to affect stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 005**

**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**

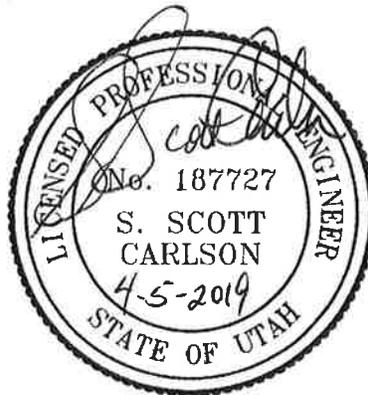
None

**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



# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: N/A  
Impoundment Name: Sediment Pond #006  
UPDES Permit Number: UTG040025

Inspection Date: March 28, 2019  
First Quarter 2019

Inspector: Rusty Netz  
Signature: 

## 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 = 2.6 Acre-feet  
Pond bottom elevation = 7132.7  
100% Sediment Storage Volume = 0.76 acre-feet at Elevation 7140.7  
60% sediment Storage Volume = 0.45 acre feet at Elevation = 7138.8  
Existing Average Sediment Elevation = 7135.5+/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7140.7  
Emergency Spillway Elevation = 7147.2

## 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 little to no water. No discharge occurred during the quarter.  
No samples were taken  
Sediment levels were good. Pond did not require decanting.  
Embankment conditions were good. Vegetation on out slopes 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 water was impounded. Sediment level was low  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 006**

**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



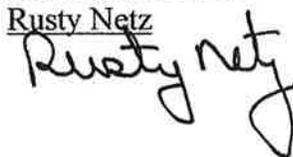
# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: N/A  
Impoundment Name: Sediment Pond #009  
UPDES Permit Number: UTG040025

Inspection Date: March 28, 2019

First Quarter 2019

Inspector: Rusty Netz

Signature: 

## 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 = 7.4 Acre-feet

Pond bottom elevation = 7435.0

100% Sediment Storage Volume = 2.02 acre-feet at Elevation 7439.3

60% sediment Storage Volume = 1.21 acre feet at Elevation = 7437.7

Existing Average Sediment Elevation = 7436.5 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7439.8

Primary Spillway Elevation = 7445.5

Emergency Spillway Elevation = 7446.5

## 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 cleanup, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.*

Pond had little to no water. No discharge occurred during the quarter.

No samples were taken. Pond did not require decanting. Sediment levels were low.

Embankment conditions were good. Vegetation on out slopes 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 water was impounded. Sediment level was good.

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

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 009**

**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



**QUARTERLY INSPECTION FORM – REFUSE PILE**

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: Abandoned by MSHA Jan 2004  
Facility Name: Coarse Refuse Pile

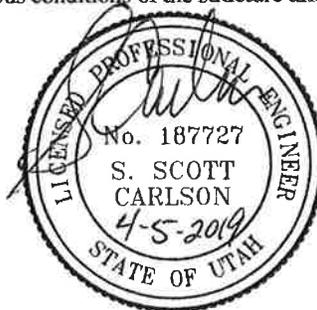
Inspection Date: March 28, 2019  
First Quarter 2019  
Inspector: Rusty Netz  
Signature: *Rusty Netz*

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 locations across the top of the pile**
2. Lift Height / Thickness Avg 15 Maximum 25 Elevation of Active Benches: **approximately 7420-7460**
3. Vertical angle of outslope(s) / Location(s) where measured **max 2:1 North, East and South faces**
4. Current estimated volume: **approx 1.4-1.7 Million tons** Volume removed during year: **2019 ytd: apx. 69,612 tons**
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 some old erosion gullies exist on the outer slopes, but currently appear relatively stable**
  - 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 culverts & 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

Affix Signature, Stamp and Date



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

Permit Number: C/007/042  
 Mine Name: Star Point Waste Fuel  
 Mine Operator (Permittee): Sunnyside Cogeneration Associates  
 MSHA ID Number: NA  
 Facility Name: Disposal Area

Inspection Date: March 28, 2019  
First Quarter 2019  
 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 new material was placed in the disposal area during the quarter**
2. Lift Height / Thickness Avg 4-6 ft Maximum 6 ft Elevation of Active Benches: **approximately 7480**
3. Vertical angle of outslope(s) / Location(s) where measured **max 4:1**
4. Total storage capacity: **145K cuyd** Remaining storage capacity **estimated 140K cuyd** Volume placed during year: **None**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **Organic material is removed as needed. 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 flows to adjacent ditches and to Sediment Pond #009. 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. **No samples have been taken.**

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



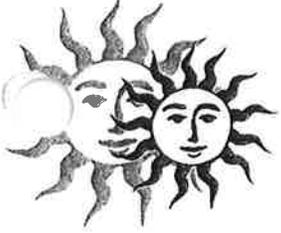




**APPENDIX A  
CERTIFIED REPORTS**

**SECOND QUARTER INSPECTION**

**IMPOUNDMENTS, REFUSE PILE  
AND DISPOSAL AREA**



## **Sunnyside Operations Associates L.P.**

---

P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • Fax (801) 888-2538

July 18, 2019

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

RE: 2nd Quarter 2019 Inspection Report  
Star Point Refuse Pile C/007/042

Dear Steve:

Please find enclosed a copy of the Second Quarter 2019 Inspection Report for the Star Point refuse pile, impoundments, and excess spoil area.

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

Thank You,

Gerald Hascall  
Agent For  
Sunnyside Cogeneration Associates

c.c. Rusty Netz  
Plant File

# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042 Inspection Date: June 27, 2019  
Mine Name: Star Point Waste Fuel Second Quarter 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: N/A Signature: Rusty Netz  
Impoundment Name: Sediment Pond #005  
UPDES Permit Number: UTG040025

## 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 = 6.96 Acre-feet  
Pond bottom elevation = 7387.3  
100% Sediment Storage Volume = 2.42 acre-feet at Elevation 7394.9  
60% sediment Storage Volume = 1.45 acre feet at Elevation = 7393  
Existing Average Sediment Elevation = 7392 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7394.9  
Emergency Spillway Elevation = 7401.3

## 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. No discharge occurred during the quarter.  
Sediment levels were low.  
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 water was impounded. Sediment level was low.  
No other aspects were observed to affect stability or functionality.

# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Sediment Pond 005

## 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:

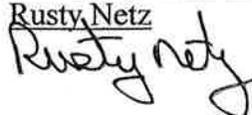
I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained 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



**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

Permit Number:	<u>C/007/042</u>	Inspection Date:	<u>June 27, 2019</u>
Mine Name:	<u>Star Point Waste Fuel</u>		<u>Second Quarter 2019</u>
Mine Operator (Permittee):	<u>Sunnyside Cogeneration Associates</u>	Inspector:	<u>Rusty Netz</u>
MSHA ID Number:	<u>N/A</u>	Signature:	
Impoundment Name:	<u>Sediment Pond #006</u>		
UPDES Permit Number:	<u>UTG040025</u>		

**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 = 2.6 Acre-feet  
 Pond bottom elevation = 7132.7  
 100% Sediment Storage Volume = 0.76 acre-feet at Elevation 7140.7  
 60% sediment Storage Volume = 0.45 acre feet at Elevation = 7138.8  
 Existing Average Sediment Elevation = 7135.5+/-

b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7140.7  
 Emergency Spillway Elevation = 7147.2

**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. No discharge occurred during the quarter.  
 No samples were taken  
 Sediment levels were low. 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 water was impounded. Sediment level was low  
 No other aspects of the impounding structure were observed that could affect its stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 006**

**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



# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042 Inspection Date: June 27, 2019  
Mine Name: Star Point Waste Fuel Second Quarter 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: N/A Signature: Rusty Netz  
Impoundment Name: Sediment Pond #009  
UPDES Permit Number: UTG040025

## 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 = 7.4 Acre-feet  
Pond bottom elevation = 7435.0  
100% Sediment Storage Volume = 2.02 acre-feet at Elevation 7439.3  
60% sediment Storage Volume = 1.21 acre feet at Elevation = 7437.7  
Existing Average Sediment Elevation = 7436.5 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7439.8  
Primary Spillway Elevation = 7445.5  
Emergency Spillway Elevation = 7446.5

### 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 no water. No discharge occurred during the quarter.  
No samples were taken. Pond did not require decanting. Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 water was impounded. Sediment level was low.  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 009**

**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**

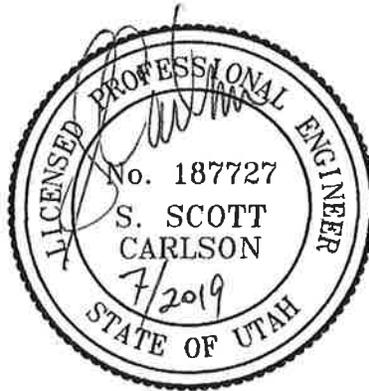
None

**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



**QUARTERLY INSPECTION FORM – REFUSE PILE**

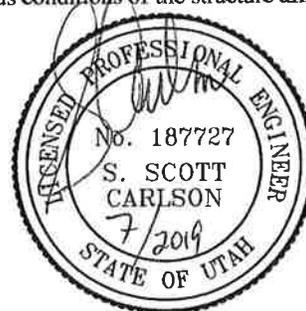
Permit Number: C/007/042 Inspection Date: June 27, 2019  
Mine Name: Star Point Waste Fuel Second Quarter 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: Abandoned by MSHA Jan 2004 Signature: Rusty Netz  
Facility Name: Coarse Refuse Pile

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 locations across the top of the pile**
2. Lift Height / Thickness Avg 15 Maximum 25 Elevation of Active Benches: **approximately 7420-7460**
3. Vertical angle of outslope(s) / Location(s) where measured **max 2:1 North, East and South faces**
4. Current estimated volume: **approx 1.3-1.6 Million tons** Volume removed during year: **2019 ytd: apx. 128,733 tons**
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 some old erosion gullies exist on the outer slopes, but currently appear relatively stable**
  - 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 culverts & 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

Affix Signature, Stamp and Date



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

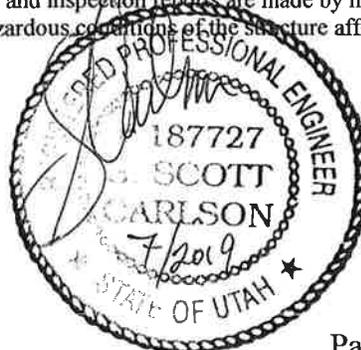
Permit Number:	<u>C/007/042</u>	Inspection Date:	<u>June 27, 2019</u>
Mine Name:	<u>Star Point Waste Fuel</u>		<u>Second Quarter 2019</u>
Mine Operator (Permittee):	<u>Sunnyside Cogeneration Associates</u>	Inspector:	<u>Rusty Netz</u>
MSHA ID Number:	<u>NA</u>	Signature:	<i>Rusty Netz</i>
Facility Name:	<u>Disposal Area</u>		

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **No new material was placed in the disposal area during the quarter**
2. Lift Height / Thickness Avg 4-6 ft Maximum 6 ft Elevation of Active Benches: **approximately 7480**
3. Vertical angle of outslope(s) / Location(s) where measured **max 4:1**
4. Total storage capacity: **145K cuyd** Remaining storage capacity **estimated 140K cuyd** Volume placed during year: **None**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **Organic material is removed as needed. 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 flows to adjacent ditches and to Sediment Pond #009. 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. **No samples have been taken.**

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



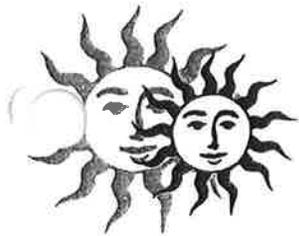




**APPENDIX A  
CERTIFIED REPORTS**

**THIRD QUARTER INSPECTION**

**IMPOUNDMENTS, REFUSE PILE  
AND DISPOSAL AREA**



## **Sunnyside Operations Associates L.P.**

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P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • Fax (801) 888-2538

October 23, 2019

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

RE: 3rd Quarter 2019 Inspection Report  
Star Point Refuse Pile C/007/042

Dear Steve:

Please find enclosed a copy of the Third Quarter 2019 Inspection Report for the Star Point refuse pile, impoundments, and excess spoil area.

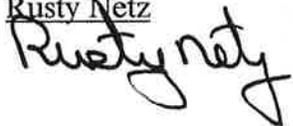
Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Gerald Hascall  
Agent For  
Sunnyside Cogeneration Associates

c.c. Rusty Netz  
Plant File

# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042 Inspection Date: September 26, 2019  
Mine Name: Star Point Waste Fuel Third Quarter 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: N/A Signature:   
Impoundment Name: Sediment Pond #005  
UPDES Permit Number: UTG040025

## 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 = 6.96 Acre-feet  
Pond bottom elevation = 7387.3  
100% Sediment Storage Volume = 2.42 acre-feet at Elevation 7394.9  
60% sediment Storage Volume = 1.45 acre feet at Elevation = 7393  
Existing Average Sediment Elevation = 7392 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7394.9  
Emergency Spillway Elevation = 7401.3

## 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 no water. No discharge occurred during the quarter.  
Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 water was impounded. Sediment level was low.  
No other aspects were observed to affect stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 005**

**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:**

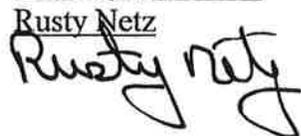
I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained 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



# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042 Inspection Date: September 26, 2019  
Mine Name: Star Point Waste Fuel Third Quarter 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: N/A Signature:   
Impoundment Name: Sediment Pond #006  
UPDES Permit Number: UTG040025

## 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 = 2.6 Acre-feet  
Pond bottom elevation = 7132.7  
100% Sediment Storage Volume = 0.76 acre-feet at Elevation 7140.7  
60% sediment Storage Volume = 0.45 acre feet at Elevation = 7138.8  
Existing Average Sediment Elevation = 7135.5+/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7140.7  
Emergency Spillway Elevation = 7147.2

## 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 no water. No discharge occurred during the quarter.  
No samples were taken  
Sediment levels were low. Pond did not require decanting.  
Embankment conditions were good. Vegetation on out slopes 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 water was impounded. Sediment level was low  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 006**

**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:**

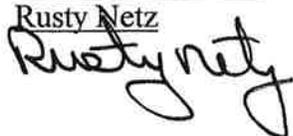
I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained 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



# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042 Inspection Date: September 26, 2019  
Mine Name: Star Point Waste Fuel Third Quarter 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: N/A Signature:   
Impoundment Name: Sediment Pond #009  
UPDES Permit Number: UTG040025

## 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 = 7.4 Acre-feet  
Pond bottom elevation = 7435.0  
100% Sediment Storage Volume = 2.02 acre-feet at Elevation 7439.3  
60% sediment Storage Volume = 1.21 acre feet at Elevation = 7437.7  
Existing Average Sediment Elevation = 7436.5 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7439.8  
Primary Spillway Elevation = 7445.5  
Emergency Spillway Elevation = 7446.5

## 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 no water. No discharge occurred during the quarter.  
No samples were taken. Pond did not require decanting. Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 water was impounded. Sediment level was low.  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 009**

**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



**QUARTERLY INSPECTION FORM – REFUSE PILE**

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: Abandoned by MSHA Jan 2004  
Facility Name: Coarse Refuse Pile

Inspection Date: September 26, 2019  
Third Quarter 2019  
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 locations across the top of the pile**
2. Lift Height / Thickness Avg 15 Maximum 25 Elevation of Active Benches: **approximately 7420-7460**
3. Vertical angle of outslope(s) / Location(s) where measured **max 2:1 North, East and South faces**
4. Current estimated volume: **approx 1.3-1.6 Million tons** Volume removed during year: **2019 ytd: apx. 191,284 tons**
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** some old erosion gullies exist on the outer slopes, but currently appear relatively stable
  - 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 culverts & 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

Affix Signature, Stamp and Date



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

Permit Number: C/007/042  
 Mine Name: Star Point Waste Fuel  
 Mine Operator (Permittee): Sunnyside Cogeneration Associates  
 MSHA ID Number: NA  
 Facility Name: Disposal Area

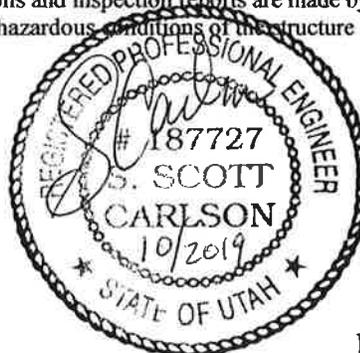
Inspection Date: September 26, 2019  
Third Quarter 2019  
 Inspector: Rusty Netz  
 Signature: *Rusty Netz*

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **No new material was placed in the disposal area during the quarter**
2. Lift Height / Thickness Avg 4-6 ft Maximum 6 ft Elevation of Active Benches: **approximately 7480**
3. Vertical angle of outslope(s) / Location(s) where measured **max 4:1**
4. Total storage capacity: **145K cuyd** Remaining storage capacity **estimated 140K cuyd** Volume placed during year: **None**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **Organic material is removed as needed. 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 flows to adjacent ditches and to Sediment Pond #009. 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. **No samples have been taken.**

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



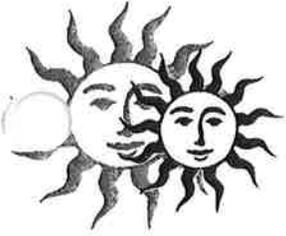




**APPENDIX A  
CERTIFIED REPORTS**

**FOURTH QUARTER INSPECTION**

**IMPOUNDMENTS, REFUSE PILE  
AND DISPOSAL AREA**



## Sunnyside Operations Associates L.P.

P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • Fax (801) 888-2538

January 20, 2020

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

RE: 4th Quarter 2019 Inspection Report  
Star Point Refuse Pile C/007/042

Dear Steve:

Please find enclosed a copy of the Fourth Quarter 2019 Inspection Report for the Star Point refuse pile, impoundments, and excess spoil area.

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

Thank You,

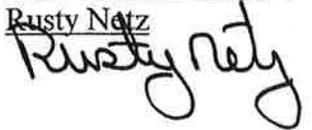
Gerald Hascall  
Agent For  
Sunnyside Cogeneration Associates

c.c. Rusty Netz  
Plant File

# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: N/A  
Impoundment Name: Sediment Pond #005  
UPDES Permit Number: UTG040025

Inspection Date: December 30, 2019  
Fourth Quarter 2019

Inspector: Rusty Netz  
Signature: 

## 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 = 6.96 Acre-feet  
Pond bottom elevation = 7387.3  
100% Sediment Storage Volume = 2.42 acre-feet at Elevation 7394.9  
60% sediment Storage Volume = 1.45 acre feet at Elevation = 7393  
Existing Average Sediment Elevation = 7392 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7394.9  
Emergency Spillway Elevation = 7401.3

## 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 snow cover. No discharge occurred during the quarter. No samples were taken.  
Pond did not require decanting. Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 noticeable water was impounded. Sediment level was low.  
No other aspects were observed to affect stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 005**

**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



# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: N/A  
Impoundment Name: Sediment Pond #006  
UPDES Permit Number: UTG040025

Inspection Date: December 30, 2019  
Fourth Quarter 2019

Inspector: Rusty Netz  
Signature: 

## 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 = 2.6 Acre-feet  
Pond bottom elevation = 7132.7  
100% Sediment Storage Volume = 0.76 acre-feet at Elevation 7140.7  
60% sediment Storage Volume = 0.45 acre feet at Elevation = 7138.8  
Existing Average Sediment Elevation = 7135.5+/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7140.7  
Emergency Spillway Elevation = 7147.2

## 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 snow cover. No discharge occurred during the quarter. No samples were taken, Pond did not require decanting. Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 noticeable water was impounded. Sediment level was low  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**Sediment Pond 006**

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**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**

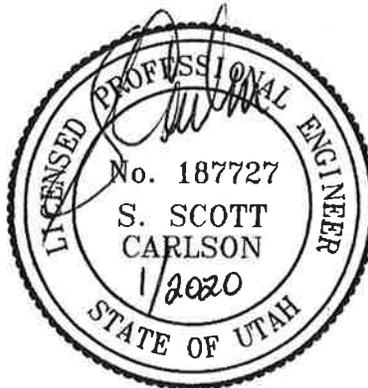
None

**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



# QUARTERLY INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042 Inspection Date: December 30, 2019  
Mine Name: Star Point Waste Fuel Fourth Quarter 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: N/A Signature: Rusty Netz  
Impoundment Name: Sediment Pond #009  
UPDES Permit Number: UTG040025

## 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 = 7.4 Acre-feet  
Pond bottom elevation = 7435.0  
100% Sediment Storage Volume = 2.02 acre-feet at Elevation 7439.3  
60% sediment Storage Volume = 1.21 acre feet at Elevation = 7437.7  
Existing Average Sediment Elevation = 7436.5 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7439.8  
Primary Spillway Elevation = 7445.5  
Emergency Spillway Elevation = 7446.5

## 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 snow cover. No discharge occurred during the quarter.  
No samples were taken. Pond did not require decanting. Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 noticeable water was impounded. Sediment level was low.  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**QUARTERLY INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 009**

**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**

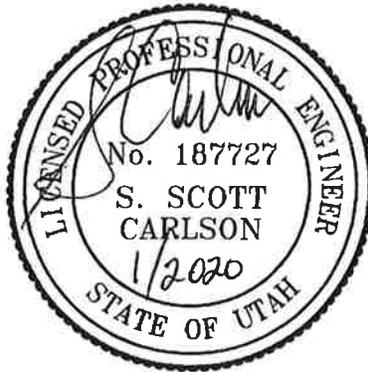
None

**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



**QUARTERLY INSPECTION FORM – REFUSE PILE**

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: Abandoned by MSHA Jan 2004  
Facility Name: Coarse Refuse Pile

Inspection Date: December 30, 2019  
Fourth Quarter 2019

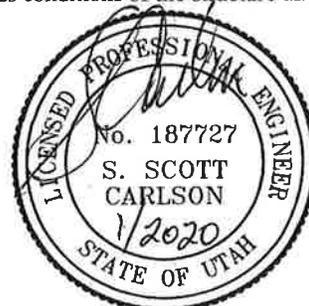
Inspector: Rusty Netz  
Signature: *Rusty Netz*

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 locations across the top of the pile**
2. Lift Height / Thickness Avg 15 Maximum 25 Elevation of Active Benches: **approximately 7420-7460**
3. Vertical angle of outslope(s) / Location(s) where measured **max 2:1 North, East and South faces**
4. Current estimated volume: **approx 1.2-1.5 Million tons** Volume removed during year: **2019 ytd: apx. 235,371 tons**
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 some old erosion gullies exist on the outer slopes, but currently appear relatively stable**
  - 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 culverts & 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

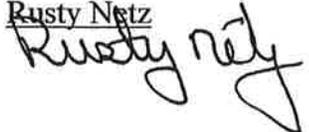
Affix Signature, Stamp and Date



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

Permit Number: C/007/042  
 Mine Name: Star Point Waste Fuel  
 Mine Operator (Permittee): Sunnyside Cogeneration Associates  
 MSHA ID Number: NA  
 Facility Name: Disposal Area

Inspection Date: December 30, 2019  
Fourth Quarter 2019

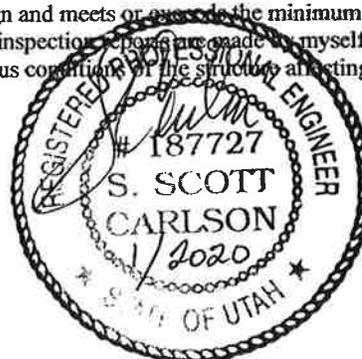
Inspector: Rusty Netz  
 Signature: 

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **No new material was placed in the disposal area during the quarter**
2. Lift Height / Thickness Avg 4-6 ft Maximum 6 ft Elevation of Active Benches: **approximately 7480**
3. Vertical angle of outslope(s) / Location(s) where measured **max 4:1**
4. Total storage capacity: **145K cuyd** Remaining storage capacity **estimated 140K cuyd** Volume placed during year: **None**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **Organic material is removed as needed. 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 flows to adjacent ditches and to Sediment Pond #009. 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. **No samples have been taken.**

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 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

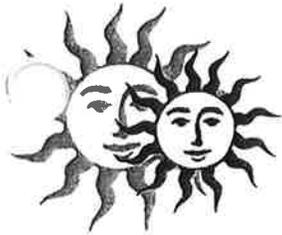
Affix Signature, Stamp and Date







**APPENDIX A  
CERTIFIED REPORTS  
ANNUAL INSPECTION  
IMPOUNDMENTS, REFUSE PILE  
AND DISPOSAL AREA**



## **Sunnyside Operations Associates L.P.**

---

P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • Fax (801) 888-2538

January 20, 2020

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

RE: Annual 2019 Inspection Report  
Star Point Refuse Pile C/007/042

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 2019 Inspection Report for the Star Point refuse pile, impoundments, and excess spoil area.

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

Thank You,

Gerald Hascall  
Agent For  
Sunnyside Cogeneration Associates

c.c. Rusty Netz  
Plant File

**ANNUAL INSPECTION FORM – IMPOUNDMENT**

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: N/A  
Impoundment Name: Sediment Pond #005  
UPDES Permit Number: UTG040025

Inspection Date: December 30, 2019  
Annual 2019  
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 = 6.96 Acre-feet  
Pond bottom elevation = 7387.3  
100% Sediment Storage Volume = 2.42 acre-feet at Elevation 7394.9  
60% sediment Storage Volume = 1.45 acre feet at Elevation = 7393  
Existing Average Sediment Elevation = 7392 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7394.9  
Emergency Spillway Elevation = 7401.3

**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 snow cover. No discharge occurred during the year.  
Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 noticeable water was impounded. Sediment level was low.  
No other aspects were observed to affect stability or functionality.

**ANNUAL INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 005**

**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**

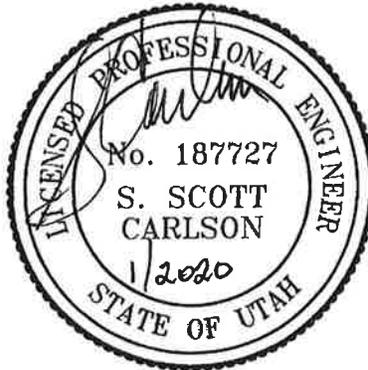
None

**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



# ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042 Inspection Date: December 30, 2019  
Mine Name: Star Point Waste Fuel Annual 2019  
Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
MSHA ID Number: N/A Signature: Rusty Netz  
Impoundment Name: Sediment Pond #006  
UPDES Permit Number: UTG040025

## 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 = 2.6 Acre-feet  
Pond bottom elevation = 7132.7  
100% Sediment Storage Volume = 0.76 acre-feet at Elevation 7140.7  
60% sediment Storage Volume = 0.45 acre feet at Elevation = 7138.8  
Existing Average Sediment Elevation = 7135.5+/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7140.7  
Emergency Spillway Elevation = 7147.2

## 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 cleanup, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.*

Pond had some snow cover. No discharge occurred during the year.  
No samples were taken  
Sediment levels were low. Pond did not require decanting.  
Embankment conditions were good. Vegetation on out slopes 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 noticeable water was impounded. Sediment level was low  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**ANNUAL INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 006**

**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

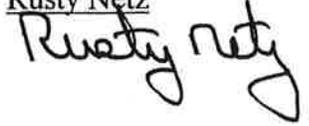
Affix Signature, Stamp and Date



# ANNUAL INSPECTION FORM – IMPOUNDMENT

Permit Number: C/007/042  
Mine Name: Star Point Waste Fuel  
Mine Operator (Permittee): Sunnyside Cogeneration Associates  
MSHA ID Number: N/A  
Impoundment Name: Sediment Pond #009  
UPDES Permit Number: UTG040025

Inspection Date: December 30, 2019  
Annual 2019

Inspector: Rusty Netz  
Signature: 

## 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 = 7.4 Acre-feet  
Pond bottom elevation = 7435.0  
100% Sediment Storage Volume = 2.02 acre-feet at Elevation 7439.3  
60% sediment Storage Volume = 1.21 acre feet at Elevation = 7437.7  
Existing Average Sediment Elevation = 7436.5 +/-

#### b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7439.8  
Primary Spillway Elevation = 7445.5  
Emergency Spillway Elevation = 7446.5

## 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 snow cover. No discharge occurred during the year.  
No samples were taken. Pond did not require decanting. Sediment levels were low.  
Embankment conditions were good. Vegetation on out slopes 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 noticeable water was impounded. Sediment level was low.  
No other aspects of the impounding structure were observed that could affect its stability or functionality.

**ANNUAL INSPECTION FORM – IMPOUNDMENT**

**Sediment Pond 009**

**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



# ANNUAL INSPECTION FORM – REFUSE PILE

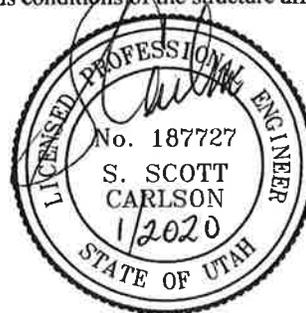
Permit Number: C/007/042 Inspection Date: December 30, 2019  
 Mine Name: Star Point Waste Fuel Annual 2019  
 Mine Operator (Permittee): Sunnyside Cogeneration Associates Inspector: Rusty Netz  
 MSHA ID Number: Abandoned by MSHA Jan 2004 Signature: Rusty Netz  
 Facility Name: Coarse Refuse Pile

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 locations across the top of the pile**
2. Lift Height / Thickness Avg 15 Maximum 25 Elevation of Active Benches: **approximately 7420-7460**
3. Vertical angle of outslope(s) / Location(s) where measured **max 2:1 North, East and South faces**
4. Current estimated volume: **approx 1.2-1.5 Million tons** Volume removed during year: **2019 ytd: apx. 235,371 tons**
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 some old erosion gullies exist on the outer slopes, but currently appear relatively stable**
  - 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 culverts & 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

Affix Signature, Stamp and Date



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

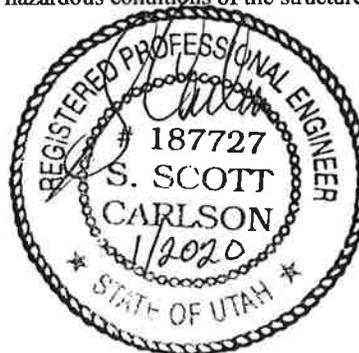
Permit Number:	<u>C/007/042</u>	Inspection Date:	<u>December 30, 2019</u>
Mine Name:	<u>Star Point Waste Fuel</u>		<u>Annual 2019</u>
Mine Operator (Permittee):	<u>Sunnyside Cogeneration Associates</u>	Inspector:	<u>Rusty Netz</u>
MSHA ID Number:	<u>NA</u>	Signature:	<i>Rusty Netz</i>
Facility Name:	<u>Disposal Area</u>		

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **No new material was placed in the disposal area during the year**
2. Lift Height / Thickness Avg 4-6 ft Maximum 6 ft Elevation of Active Benches: **approximately 7480**
3. Vertical angle of outslope(s) / Location(s) where measured **max 4:1**
4. Total storage capacity: **145K cuyd** Remaining storage capacity **estimated 140K cuyd** Volume placed during year: **None**
5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): **Organic material is removed as needed. 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 flows to adjacent ditches and to Sediment Pond #009. 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. **No samples have been taken.**

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



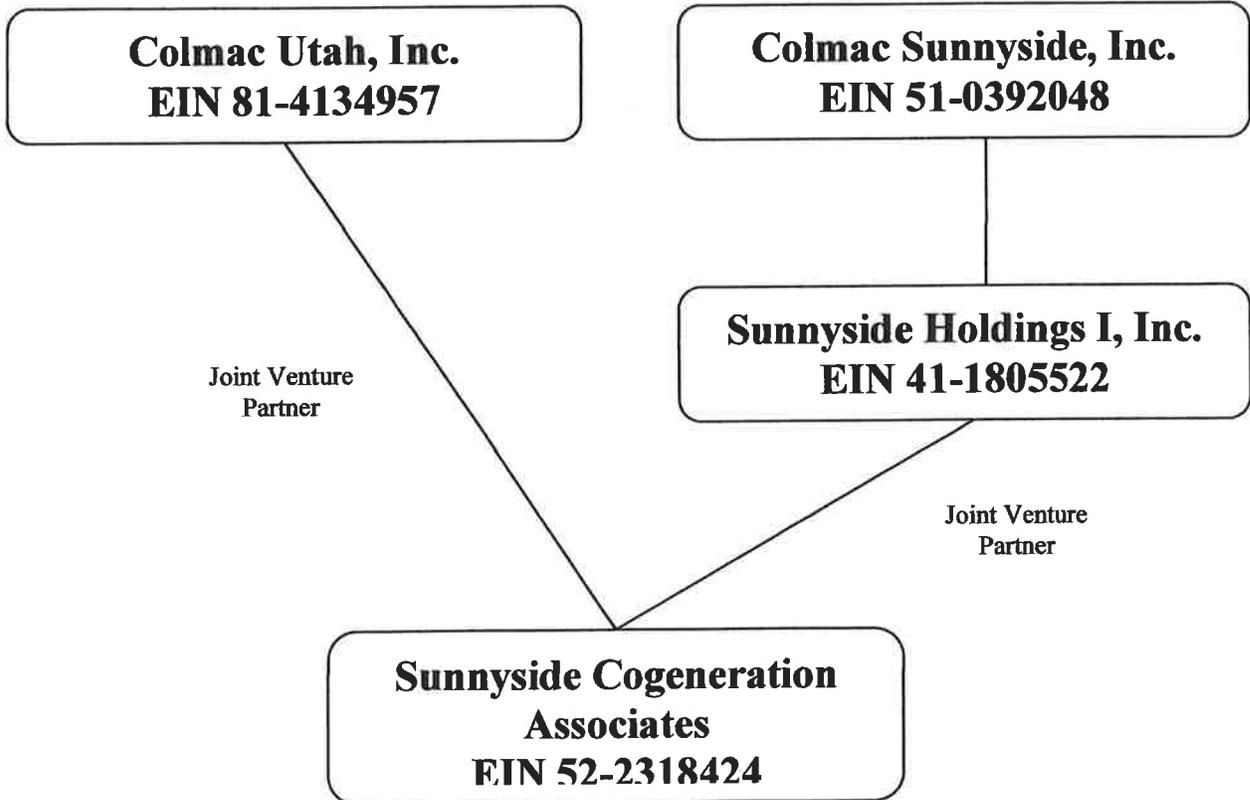




## **APPENDIX B**

# **DEPARTMENT OF COMMERCE CERTIFICATES OF EXISTENCE**

**Sunnyside Cogeneration Associates**  
**Exhibit 112.300**  
**Information Regarding "Owners" and "Controllers"**  
**Permit No. C/007/042**  
**Star Point Waste Fuel**





**Utah Department of Commerce**  
**Division of Corporations & Commercial Code**  
160 East 300 South, 2nd Floor, PO Box 146705  
Salt Lake City, UT 84114-6705  
Service Center: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web Site: <http://www.commerce.utah.gov>

03/25/2020  
4911242-015003252020-240386

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## CERTIFICATE OF EXISTENCE

**Registration Number:** 4911242-0150  
**Business Name:** SUNNYSIDE COGENERATION ASSOCIATES  
**Registered Date:** April 24, 2001  
**Entity Type:** DBA  
**Status:** Current

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.



Jason Sterzer  
Director  
Division of Corporations and Commercial Code

## Registered Principals

Name	Type	City	Status
SUNNYSIDE COGENERATION ASSOCIATES	DBA	EAST CARBON CITY	Active

Position	Name	Address	
Applicant	COLMAC UTAH, INC.	1105 N MARKET STREET	WILMINGTON DE 19801
Applicant	SUNNYSIDE HOLDINGS I, INC.	1105 N MARKET STREET	WILMINGTON DE 19801
Registered Agent	BRIAN W BURNETT	50 E SOUTH TEMPLE ST	SALT LAKE CITY UT 84111

If you believe there may be more principals, click here to [View Filed Documents](#)

Search by:  Business Name  Number  Executive Name  Search Hints

**Business Name:**

SUNNYSIDE COGENERATION ASSOCIATES

[Update this Business](#)

**Entity Number:** 4911242-0150

**Company Type:** DBA

**Address:** ONE POWER PLANT RD PO BOX 10 EAST CARBON CITY, UT 84520

**State of Origin:**

**Registered Agent:** BRIAN W BURNETT

**Registered Agent Address:**

50 E SOUTH TEMPLE ST STE 400

SALT LAKE CITY, UT 84111

[View Management Team](#)

Status: Active

[Purchase Certificate of Existence](#)

**Status:** Active  as of 04/24/2001

**Renew By:** 04/30/2022

**Status Description:** Current

The "Current" status represents that a renewal has been filed, within the most recent renewal period, with the Division of Corporations and Commercial Code.

**Employment Verification:** Not Registered with Verify Utah

[History](#)

[View Filed Documents](#)

**Registration Date:** 04/24/2001

**Last Renewed:** 02/19/2019

[Additional Information](#)

**NAICS Code:** 2211 **NAICS Title:** 2211-Electric Power Generation, Transmis

[<< Back to Search Results](#)

Search by: [Business Name](#) [Number](#) [Executive Name](#) [Search Hints](#)

**Business Name:**



**Utah Department of Commerce**  
**Division of Corporations & Commercial Code**  
160 East 300 South, 2nd Floor, PO Box 146705  
Salt Lake City, UT 84114-6705  
Service Center: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web Site: <http://www.commerce.utah.gov>

03/25/2020  
1215877-014303252020-2556797

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## CERTIFICATE OF EXISTENCE

**Registration Number:** 1215877-0143  
**Business Name:** SUNNYSIDE HOLDINGS I, INC.  
**Registered Date:** December 30, 1994  
**Entity Type:** Corporation - Foreign - Profit  
**Status:** Current

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.



Jason Sterzer  
Director  
Division of Corporations and Commercial Code

## Registered Principals

Name	Type	City	Status
SUNNYSIDE HOLDINGS I, INC.	Corporation	WILMINGTON	Active

Position	Name	Address	
Registered Agent	CT CORPORATION SYSTEM	1108 E SOUTH UNION AVE	Midvale UT 84047
President	DAVID KRUEGER	1105 N MARKET STREET	WILMINGTON DE 19801
Director	ROBERT S MCLEESE	1105 N MARKET ST	WILMINGTON DE 19801
Director	CHRIS L THOMPSON	1105 N MARKET STREET	WILMINGTON DE 19801

If you believe there may be more principals, click here to [View Filed Documents](#)

Search by: [Business Name](#) [Number](#) [Executive Name](#) [Search Hints](#)

**Business Name:**

SUNNYSIDE HOLDINGS I, INC.

[Update this Business](#)

**Entity Number:** 1215877-0143

**Company Type:** Corporation - Foreign - Profit

**Address:** 1105 N MARKET STREET STE 650 WILMINGTON, DE 19801

**State of Origin:** DE

**Registered Agent:** CT CORPORATION SYSTEM

**Registered Agent Address:**

1108 E SOUTH UNION AVE

Midvale, UT 84047

[View Management Team](#)

Status: Active

[Purchase Certificate of Existence](#)

**Status:** Active  as of 02/28/2011

**Renew By:** 12/31/2020

**Status Description:** Current

The "Current" status represents that a renewal has been filed, within the most recent renewal period, with the Division of Corporations and Commercial Code.

**Employment Verification:** Not Registered with Verify Utah

[History](#)

[View Filed Documents](#)

**Registration Date:** 12/30/1994

**Last Renewed:** 11/01/2019

[Additional Information](#)

**NAICS Code:** 5617 **NAICS Title:** 5617-Services to Buildings and Dwellings

[Doing Business As](#)

SUNNYSIDE COGENERATION ASSOCIATES

[Former Business Names](#)

NRG SUNNYSIDE INC.

[<< Back to Search Results](#)

Search by: [Business Name](#) [Number](#) [Executive Name](#) [Search Hints](#)

**Business Name:**



**Utah Department of Commerce**  
**Division of Corporations & Commercial Code**

160 East 300 South, 2nd Floor, PO Box 146705

Salt Lake City, UT 84114-6705

Service Center: (801) 530-4849

Toll Free: (877) 526-3994 Utah Residents

Fax: (801) 530-6438

Web Site: <http://www.commerce.utah.gov>

03/25/2020

10140172-014303252020-997725

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## CERTIFICATE OF EXISTENCE

**Registration Number:** 10140172-0143  
**Business Name:** COLMAC UTAH, INC.  
**Registered Date:** October 25, 2016  
**Entity Type:** Corporation - Foreign - Profit  
**Status:** Current

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.



Jason Sterzer  
Director  
Division of Corporations and Commercial Code

## Registered Principals

Name	Type	City	Status
COLMAC UTAH, INC.	Corporation	Wilmington	Active

Position	Name	Address	
Registered Agent	ALL-SEARCH & INSPECTION, INC.	1108 E SOUTH UNION AVE	Midvale UT 84047
Director	DAVID KRUEGER	1105 N MARKET ST STE 650	WILMINGTON DE 19801
President	DAVID KRUEGER	1105 N MARKET ST STE 650	WILMINGTON DE 19801
Treasurer	ROBERT S MCLEESE	1105 N MARKET ST STE 650	Wilmington DE 19801
Director	ROBERT S MCLEESE	1105 N MARKET ST STE 650	Wilmington DE 19801
Director	CHRIS L THOMPSON	1105 N MARKET ST STE 650	Wilmington DE 19801

If you believe there may be more principals, click here to [View Filed Documents](#)

Search by:  Business Name  Number  Executive Name  Search Hints

**Business Name:**

COLMAC UTAH, INC.

[Update this Business](#)

**Entity Number:** 10140172-0143

**Company Type:** Corporation - Foreign - Profit

**Address:** 1105 N MARKET ST STE 650 Wilmington, DE 19801

**State of Origin:** DE

**Registered Agent:** ALL-SEARCH & INSPECTION, INC.

**Registered Agent Address:**

1108 E SOUTH UNION AVE

Midvale, UT 84047

[View Management Team](#)

Status: Active

[Purchase Certificate of Existence](#)

**Status:** Active  as of 10/25/2016

**Renew By:** 10/31/2020

**Status Description:** Current

The "Current" status represents that a renewal has been filed, within the most recent renewal period, with the Division of Corporations and Commercial Code.

**Employment Verification:** Not Registered with Verify Utah

[History](#)

[View Filed Documents](#)

**Registration Date:** 10/25/2016

**Last Renewed:** 10/15/2019

[Additional Information](#)

**NAICS Code:** 9999 **NAICS Title:** 9999-Nonclassifiable Establishment

[<< Back to Search Results](#)

Search by:  Business Name  Number  Executive Name  Search Hints

**Business Name:**



**Utah Department of Commerce**  
**Division of Corporations & Commercial Code**  
160 East 300 South, 2nd Floor, PO Box 146705  
Salt Lake City, UT 84114-6705  
Service Center: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web Site: <http://www.commerce.utah.gov>

03/25/2020  
10229118-014303252020-1730266

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## CERTIFICATE OF EXISTENCE

**Registration Number:** 10229118-0143  
**Business Name:** COLMAC SUNNYSIDE SERVICES, INC  
**Registered Date:** January 17, 2017  
**Entity Type:** Corporation - Foreign - Profit  
**Status:** Current

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.



Jason Sterzer  
Director  
Division of Corporations and Commercial Code

## Registered Principals

Name	Type	City	Status
<b>COLMAC SUNNYSIDE SERVICES, INC</b>	Corporation	Wilmington	Active

Position	Name	Address	
Registered Agent	ALL-SEARCH & INSPECTION, INC.	1108 E SOUTH UNION AVE	Midvale UT 84047
President	DAVID KRUEGER	1105 N MARKET ST STE 650	WILMINGTON DE 19801
Director	ROBERT S MCLEESE	1105 N MARKET ST STE 650	Wilmington DE 19801
Treasurer	ROBERT S MCLEESE	1105 N MARKET ST STE 650	Wilmington DE 19801
Director	CHRIS L THOMPSON	1105 N MARKET ST STE 650	Wilmington DE 19801

If you believe there may be more principals, click here to [View Filed Documents](#)

Search by:  Business Name  Number  Executive Name  Search Hints

**Business Name:**

COLMAC SUNNYSIDE SERVICES, INC

[Update this Business](#)

**Entity Number:** 10229118-0143

**Company Type:** Corporation - Foreign - Profit

**Address:** 1105 N MARKET ST STE 650 Wilmington, DE 19801

**State of Origin:** DE

**Registered Agent:** ALL-SEARCH & INSPECTION, INC.

**Registered Agent Address:**

1108 E SOUTH UNION AVE

Midvale, UT 84047

[View Management Team](#)

Status: Active

[Purchase Certificate of Existence](#)

**Status:** Active  as of 03/05/2018

**Renew By:** 01/31/2021

**Status Description:** Current

The "Current" status represents that a renewal has been filed, within the most recent renewal period, with the Division of Corporations and Commercial Code.

**Employment Verification:** Not Registered with Verify Utah

[History](#)

[View Filed Documents](#)

**Registration Date:** 01/17/2017

**Last Renewed:** 12/12/2019

[Additional Information](#)

**NAICS Code:** 9999 **NAICS Title:** 9999-Nonclassifiable Establishment

[<< Back to Search Results](#)

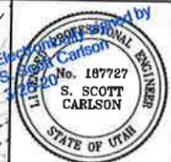
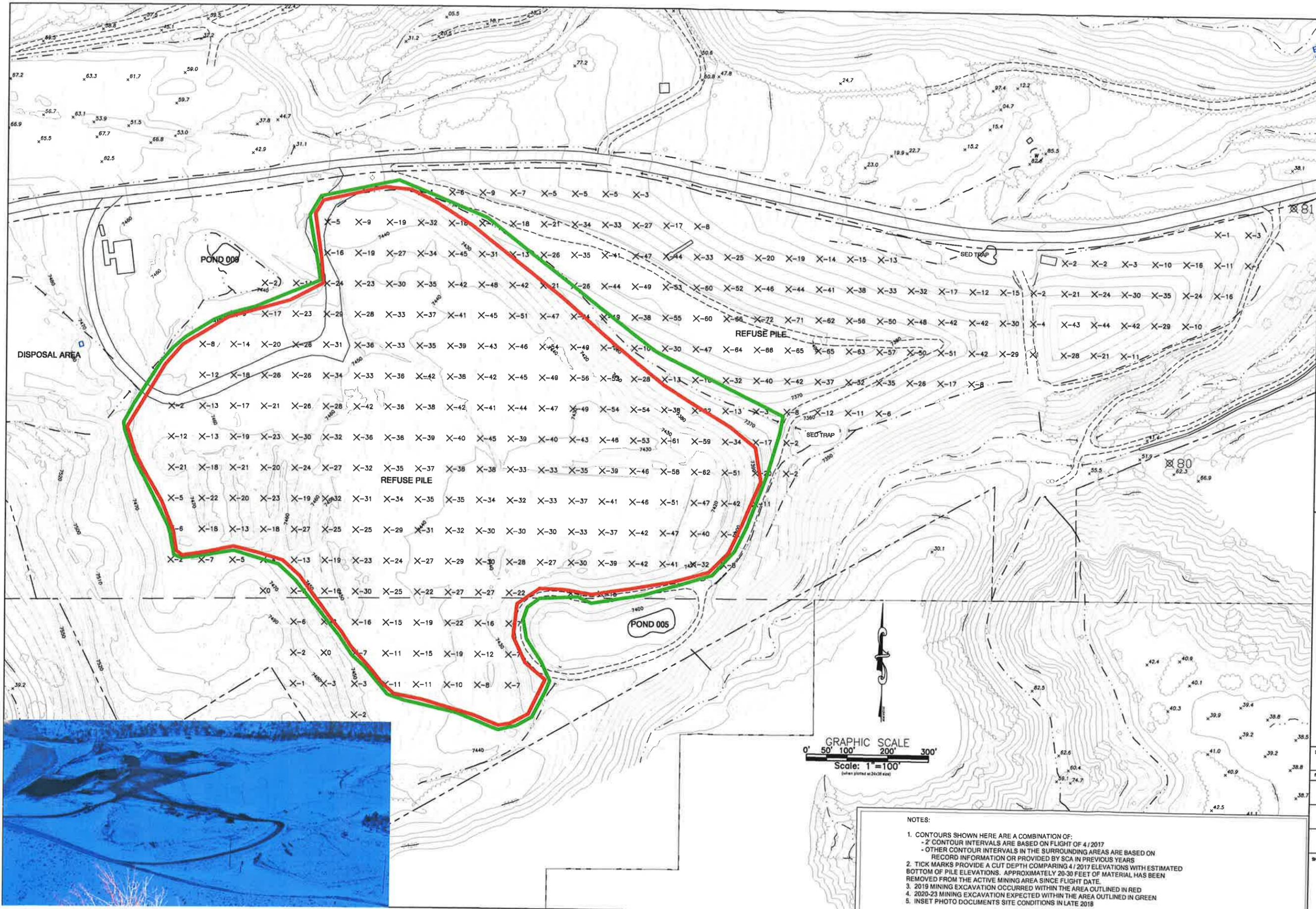
Search by: [Business Name](#) [Number](#) [Executive Name](#) [Search Hints](#)

**Business Name:**



# APPENDIX C

## MINE MAP



**SCA-STARPOINT WASTE FUEL  
REFUSE PILE MINE MAP**  
Carbon County, Utah



DWG DATE: March 2019  
PLOT DATE: 28 March 2019

SHEET: 1  
OF: 1

- NOTES:
1. CONTOURS SHOWN HERE ARE A COMBINATION OF:
    - 2' CONTOUR INTERVALS ARE BASED ON FLIGHT OF 4 / 2017
    - OTHER CONTOUR INTERVALS IN THE SURROUNDING AREAS ARE BASED ON RECORD INFORMATION OR PROVIDED BY SCA IN PREVIOUS YEARS
  2. TICK MARKS PROVIDE A CUT DEPTH COMPARING 4 / 2017 ELEVATIONS WITH ESTIMATED BOTTOM OF PILE ELEVATIONS. APPROXIMATELY 20-30 FEET OF MATERIAL HAS BEEN REMOVED FROM THE ACTIVE MINING AREA SINCE FLIGHT DATE.
  3. 2019 MINING EXCAVATION OCCURRED WITHIN THE AREA OUTLINED IN RED
  4. 2020-23 MINING EXCAVATION EXPECTED WITHIN THE AREA OUTLINED IN GREEN
  5. INSET PHOTO DOCUMENTS SITE CONDITIONS IN LATE 2018