ANNUAL REPORT

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

Company Name	Sunnyside Cogeneration Associates	Mine Name	Sunnyside Refuse and Slurry
Permit Number	C/007/0035	Permit expiration Date	2023-02-04
Operator Name	Plant Manager - Gerald Hascall	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	☒ Required ☐ Not Required	Submitted Quarterly to DOGM
Refuse Piles	☒ Required ☐ Not Required	Submitted Quarterly to DOGM
Impoundments	☒ Required ☐ Not Required	Submitted Quarterly to DOGM
Other:		

OPERATOR COMMENTS

Quarterly inspections of the impoundments, refuse pile and excess spoil piles were completed during 2017 and submitted to DOGM.
All impoundments performed as designed. No discharges occurred in 2017.
The refuse pile is being excavated as intended and the disposal areas are being constructed in conformance with the approved plan.
SCA submitted and received approval for three permit amendments in 2017 related to Corporate Ownership updates, Southeast Permit Boundary adjust, and the east Road W construction
SCA Received renewal of its Mining and Reclamation Permit
SCA received renewal of its Title V air permit and UPDES permit in 2013

REVIEWER COMMENTS ☐ Met Requirements ☐ Did Not Meet Requirements

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: ANNUAL RECLAMATION
Objective: To reclaim areas no longer needed for mining activities and to reduce the acreage under the currency reclamation cost estimate.
Frequency: Annually
Status: Ongoing.
Reports: Annual- Summary of Reclamation work and include vegetation monitoring reports (if any).
Citation: MRP, Book 6, Chapter 9, page 900-25, section 9.12, paragraph 2.

Operator Comments

The Phase 1 portion of the Excess Spoil Disposal Area #2 was reclaimed in accordance with final reclamation requirements in 2011. Vegetation cover appears to be succeeding

No other areas within the permit boundary are ready for reclamation

Reviewer Comments ☐ Met Requirements ☐ Did Not Meet Requirements

Title: EXCESS SPOIL (REFUSE) SAMPLING
Objective: To evaluate the chemistry of the waste rock for the purpose of determining final cover depth requirement per R-645-301-553.252.
Frequency: After completion of each 2-4 ft. lift.
Status: Ongoing.
Reports: Annual report
Citation: MRP, Chapter 9, page 900-12 and Appendices 9.5 and 9-7.

Operator Comments

SCA sampled material placed in the Excess Spoil Disposal Area #2 Phase 2 in 2017. Samples were composited and tested at BYU soils lab for parameters and methods as directed by the Division. Test results were received in January 2018 and are included with this Annual Report. SCA anticipates adding a vegetative soil cover over this area as part of the reclamation process.

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: REFUSE SAMPLING PRIOR TO FINAL RECLAMATION
Objective: To sample the remainder of the refuse and slurry areas for acid/toxic parameters prior to final reclamation.
Frequency: Final Reclamation
Status: Ongoing
Reports: Annual
Citation: MRP, Chapter 7, Section 731.300 thru 731.320, page 700-15.

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:

No local temperature and precipitation data is available.
No subsidence monitoring is required
No raptor surveys are required
No Geological monitoring is required

Quarterly water monitoring reports are submitted to the Division throughout the year
SCA burned approximately 72,893 tons of material excavated from the Sunnyside site, in addition to material transported in from other locations (238,508 tons from Star Point, 130,082 tons from Price River Terminal in Wellington, and 66,712 tons from BRC SUFCO).
Approximately 29,600 tons of material were placed in the Excess Spoil Disposal Area #2, Phase 2 area during 2017.

Reviewer Comments

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 - contours updated in 2017	1	☒	☐	☐	☒
Mine Sequencing plan is current in Permit Documen	9-4	☐	☒	☐	☒
		☐	☐	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐

Reviewer Comments ☐ Met Requirements ☐ Did Not Meet Requirements

Mining terraces range from approximately 6400 at the low end (west) to about 6530 at the high end (east). The active areas have varied somewhat over the past few years to meet the fuel demands and operational needs of the facility.

BRIGHAM YOUNG UNIVERSITY

Environmental Analytical Laboratory
1026 LSB
Provo, UT 84602
801-422-2147

Plant and Wildlife Sciences Department

SAMPLE TEST REPORT AND RECOMMENDATIONS

Name: Sunnyside Cogeneration
Street: One Power Plant Road
Sunnyside (City) Utah (State) 84539 (Zip)

Date: 23-Jan-18
Telephone: 435-888-4476
Work Order: 959

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	% Organic Matter	% Organic Carbon
12/21/17 Composite Sample Spoils Material	Turf	7.5	58.9	20.7	20.4	Sandy Clay Loam	7.3	4.2

Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	1.9	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	9.0		X				apply 1.4 lbs of P205/1000 sq ft
Potassium ppm K	134				X		no fertilizer needed
Salinity-ECe dS/m	3.9			X			potential salinity problem
Boron mg/kg B	3.4				X		
Selenium mg/kg Se	0.04	X					
SAR-Sodium Adsorption Ratio	0.2	X		X			no sodium hazard
Calcium-SAR ppm Ca	568						
Potassium SAR ppm K	29						
Magnesium SAR ppm Mg	36						
Sodium SAR ppm Na	22						
Sulfur % S	0.41		X				
Acid Potential tons CaC03/1000 tons	12.8						
Ca Carbonate %CaC03	8.7		X				
Neutralization Pot. tons CaC03/1000 tons	87.0						
Acid Base Potential tons CaC03/1000 tons	74.2	X					Good

Notes:

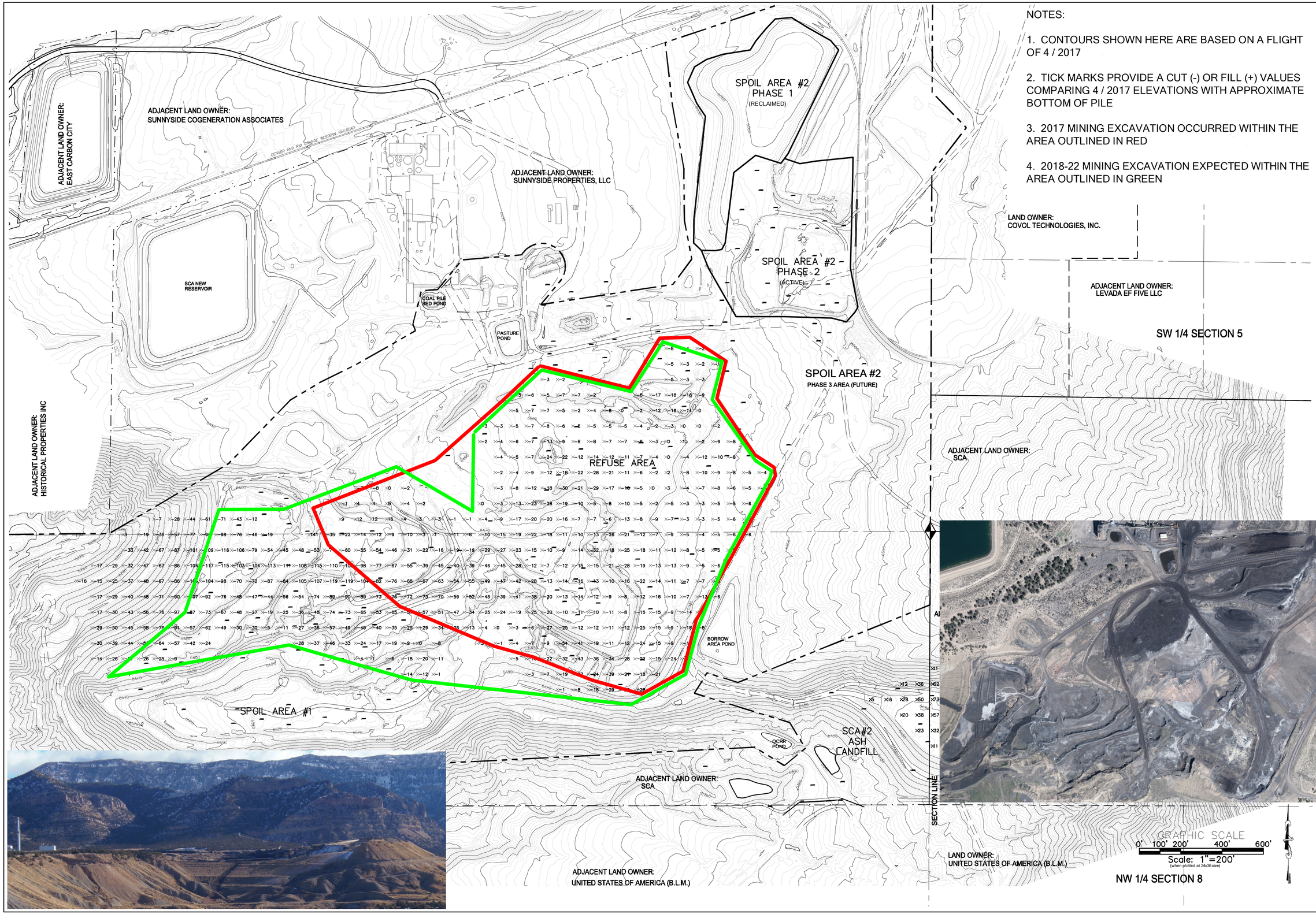
NOTES:

1. CONTOURS SHOWN HERE ARE BASED ON A FLIGHT OF 4 / 2017

2. TICK MARKS PROVIDE A CUT (-) OR FILL (+) VALUES COMPARING 4 / 2017 ELEVATIONS WITH APPROXIMATE BOTTOM OF PILE

3. 2017 MINING EXCAVATION OCCURRED WITHIN THE AREA OUTLINED IN RED

4. 2018-22 MINING EXCAVATION EXPECTED WITHIN THE AREA OUTLINED IN GREEN



Electronically signed by S. Scott Carlson 3-20-18

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

SUNNYSIDE COGEN. ASSOCIATES

SUNNYSIDE REFUSE/SLURRY MINE MAP

Carbon County, Utah

TWIN PEAKS
Engineering & Land Surveying
2264 NORTH 1450 EAST LEHI, UTAH 84043
(801) 450-3511, (801) 439-0700 FAX

DWG DATE: March 2018

PLOT DATE: 20 March 2018

SHEET 1 OF 1