



Suzanne Steab <suzannesteab@utah.gov>

2017 Annual Report Review Completion

Suzanne Steab <suzannesteab@utah.gov>

Thu, Jun 28, 2018 at 8:34 AM

To: Rusty <rnetz@sscogen.com>

Cc: Keenan Storrar <kstorrar@utah.gov>

The Division staff completed the review of the 2017 Annual Report for the Sunnyside Refuse. Attached is a copy of the review with comments.

No hard copy will follow.

Thank you for your diligence in completing the Annual Report.

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 **SunnysideRefuse.pdf**
43K

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	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

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

Included in the Annual Report are Quarterly inspection reports that were conducted and submitted to the Division throughout 2017. Inspections were completed on the following dates: 3/23/17, 6/29/17, 9/28/17, and 12/28/17. The 4th quarter report states that a YTD total of 73,000 tons were excavated from the Coarse Refuse pile. Additionally, the Excess Spoil Disposal Area #2 was reported to have received 29,600 tons by the end of 2017. There was no activity in the Excess Spoil Disposal Area #1 in 2017. All impoundment embankments were reported to be stable, with no signs of instability, structural weakness, or hazardous conditions, and met all applicable performance standards and effluent limitations. No impoundments reported discharge during 2017. Additionally, all on-site refuse piles were reported to be structurally stable, with minimal erosional features. All reports were signed and stamped by S. Scott

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

Refer to the 2015 Annual Report review for comments on previous reclamation of Excess Spoil #2 Phase 1.

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

6/27/2018, PB. 6/26/2018, PB. The waste disposed in Excess Spoil Pile #2 came from Star Point, Price River Terminal (Wellington), BRC SUFCO and the Sunnyside site. A sample of the waste analyzed on Jan 23, 2018 (by Brigham Young University Environmental Analytical Laboratory) represents the four foot lift containing 28,600 Tons (29,008 CY) placed in 2017. The sample was a sandy clay loam, pH 7.5, saline (EC= 3.9), but low in sodium (SAR = 0.2). (Quite similar to the previous 2016 lift.) The sample was not acid forming. This waste will not be the final layer, as Excess Spoil #2 has a remaining storage volume of 100,000 - 140,000 CY.

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

