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Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 19, 2017

Gerald Hascall, Plant Manager
Sunnyside Cogeneration Associates
One Power Plant Road
P.O. Box 159
Sunnyside, Utah 84539

Subject: 2016 Annual Report Review Completion, Sunnyside Refuse, C/007/0035, Task #5428 and Star Point Refuse, C/007/0042, Task #5429

Dear Mr. Hascall:

The Division staff has completed the review of the 2016 Annual Reports. Enclosed is a copy of the reviews with each reviewer's comments.

Thank you for your diligence in completing the Annual Reports. If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock
Coal Program Manager

DRH/sqs
Enclosure
cc: Rusty Netz
O:\007035.SRS\WG5428 ANNUAL RPT\ReviewCompletionLetter.doc

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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	02/04/2018
Operator Name	Plant Manger - 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 2016 and submitted to DOGM. All impoundments performed as designed. Some pond discharged in Sept 2016 after 5.8" rainfall event. Discharges did not exceed UPDES limits. The refuse pile is being excavated as intended and the Disposal Areas were being constructed in conformance with the approved plan SCA submitted permit amendments in 2016 related to Comments from the midterm review; constructed haul road S near the pasture pond; extending haul road E to the east side of the permit. SCA received renewal of its Title V air permit in 2013. UPDES permit was renewed 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 (which reached designed capacity) was reclaimed in accordance with final reclamation requirements in 2011. Due to low precipitation in 2012, SCA seeded again in Fall 2012. Vegetation cover appears to be improving. 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 he Excess Spoil Disposal Area #2 Phase 2 in 2016. Samples were composited and tested at BYU soils lab for parameters and methods as directed by the Division. Test results were received in March 2017 and are included with this Annual Report. The 2016 results are also submitted to the Division with the 1st Quarter 2017 inspection reports. As have been shown by prior tests of this spill material, SCA anticipates adding a vegetative soil cover 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.

OPERATOR COMMENTS (OPTIONAL)

Surface sampling of refuse material remaining in the coarse refuse pile is scheduled to occur prior to final reclamation. No reclamation has occurred on the pile, hence the sampling program is deferred. SCA has sampled other areas prior to final reclamation in past years. No acid/toxic concerns were noted.

REVIEWER COMMENTS

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:

Sunnyside City climate data (temperature and precipitation) for 2016 is not available. (The city has discontinued data collection and no other local source in in operation)
No subsidence monitoring is required No raptor surveys are required
Quarterly water monitoring reports are submitted to the Division throughout the year
No geological monitoring is required
SCA burned approx 78,000 tons of material excavated from the Sunnyside site, in addition to material transported in from other locations (211,200 tons from Star Point, 120,300 tons from Price River Terminal and 12,315 tons from Fossil Rock Fuel).
Approx 29,000 tons of material was placed in the excess spoil disposal are 2, phase 2 area during the year.

Reviewer Comments

Water monitoring data has been submitted to the Division quarterly, as required. (AU)

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	☒	☐	☐	☒
Mine sequencing plan is current	9-4	☐	☒	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐

Reviewer Comments ☒ Met Requirements ☐ Did Not Meet Requirements

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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 Assoc.	Mine Name	Star Point Waste Fuel
Permit Number	C/007/0042	Permit expiration Date	2018-11-14
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

Sediment Ponds, Refuse Pile and Excess Spoil Disposal Area were inspected quarterly and PE Certified reports submitted to the Division. All impoundments performed as designed. No discharges were recorded in 2016. Refuse Pile is being excavated as intended and in conformance with the approved plan. Reclamation bond was renewed during midterm review in 2016, during which some portions of the permit were also updated.

REVIEWER COMMENTS ☒ Met Requirements ☐ Did Not meet Requirements

7/18/2017, PB. Quarterly inspections of the Star Point coarse refuse refuse pile are included in Appendix A of the Annual Report and were completed 3/24/2016, 6/30/2016, 9/23/2016, and 12/22/2016. The cumulative total re-mined from the coarse refuse pile was 240,000 tons. The active bench elevation is reported to be 7,450 -7,480 ft., but this is not a surveyed elevation and is the same elevations as recorded by the flyover in 2013.

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: Vol 1 Sec. 242

OPERATOR COMMENTS

Required soil sampling will occur in preparation for final reclamation.

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:

SCA excavated approximately 212,000 tons of refuse material from this site and transported it to the SCA Sunnyside facility. A small amount of material (from pond cleaning) was placed in the Disposal Area during 2016.

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	1	☒	☐	☐	☒
		☐	☐	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐

Reviewer Comments ☒ Met Requirements ☐ Did Not Meet Requirements

7/18/2017, PB. Refuse Pile Mine Map of the coarse refuse pile provides the 2016 mining area and projected five year mining area. Total cut depths are based on the 2013 flyover relative to the May 2010 elevations. According to the certified, quarterly inspection reports, the active mining elevation is 7480 on the West and 7450 on the East, which are the elevations reported by the flyover in 2013. The average elevation was estimated to be 7,420 ft (R.Nutz email, 4/6/2016).