Title V Air Operation Permit Renewal
Permit No. 0990005-038-AV
(Revises Operating Permit No. 0990005-034-AV)

APPLICANT

The applicant for this project is Okeelanta Corporation. The applicant's responsible official and mailing address is: Jose Gonzalez, Vice President of Industrial Operations, Okeelanta Corporation, Okeelanta Sugar Mill, 21250 U.S. Highway 27 South, South Bay, Florida, 33493.

FACILITY DESCRIPTION

The applicant operates the existing Okeelanta Sugar Mill, which is located in Palm Beach County at 21250 U.S. Highway 27 South, South Bay, Florida. The facility consists of two adjacent plants. Okeelanta Corporation (ARMS ID No. 0990005) operates an existing sugar mill (SIC No. 2061) and sugar refinery (SIC No. 2062) including sugar packaging and transshipment activities. New Hope Power Company (ARMS ID No. 0990332) operates an existing cogeneration plant that provides process steam for the sugar mill and refinery operations as well as generating electricity for sale to the power grid (SIC 4911). The cogeneration plant, sugar mill, and sugar refinery are all considered a single facility for purposes of the PSD and Title V regulatory programs. The primary sources of air pollution include: Three (3) - 760 million British thermal units per hour (MMBtu/hr) per hour cogeneration boilers; transfer and storage of wood chip and bagasse fuels; distillate oil storage tanks; Sugar Refinery, Transshipment Facility, transfer and storage of sugar; and a paint spray booth. The facility includes other miscellaneous "unregulated" emissions units and activities.

This project pertains to the Sugar Refinery which consists of several miscellaneous emissions units that handle, process, store, and transfer a variety of sugar products. These units and activities can generate emissions of particulate matter, mostly sugar.

The Sugar Refinery consists of the following units:

EU No.	Emissions Unit Description
021	Rotary Dryer, Central Dust Collection System No. 1 with Rotoclone No. 1
022	Central Dust Collection System No. 2 with Rotoclone No. 2 – "B" System
023	Cooler No. 1 with Rotoclone No. 3
024	Cooler No. 2 with Rotoclone No. 4
025	Fluidized Bed Dryer/Cooler with Baghouse
034	Bulk Load-Out Operation w/ Baghouse
035	Transfer Bulk Load-out Station
043	Sugar Refinery Alcohol Usage
054	Wet Roto-clone No. 6 – "A" System (Permit No.0990005-027-AC)
055	Wet Roto-clone No. 7 - "C" System (Permit No. 0990005-027-AC)
059	Dust Collection System (Baghouse) – (Emissions control for Pkg. Lines 16, 17, 18 and 19)

This facility also includes miscellaneous unregulated/insignificant emissions units and/or activities.

The Transshipment Facility consists of the following Units:

ID	Emission Unit Description	ID	Emission Unit Description
018	Central vacuum system No. 1	**045**	Powdered sugar dryer/cooler, packaging Line 8A and 8B
019	Sugar packaging Lines 0-9, including 8A and 8B	**046**	Powdered sugar hopper
020	Sugar grinder	**047**	Sugar packaging lines (12-14)
030	Sugar silos Nos. 1, 2, and 3 (Points #1101-1103)	**049**	Baghouse (Currently inactive).
031	Railcar sugar unloading receiver No. 1		
032	Railcar sugar unloading receiver No. 2		

PROJECT DESCRIPTION

The purpose of this project is to revise the existing Title V air operation permit No. 0990005-034-AV for the above referenced Sugar Refinery and Transshipment facilities to incorporate minor revisions from air construction permit Nos. 0990005-035-AC.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

0990005-017-AV Effective Date: July 17, 2010
0990005-032-AV 1st Revision Effective Date: September 11, 2012
0990005-033-AV 2nd Revision Effective Date: October 11, 2012
0990005-034-AV 3rd Revision Effective Date: August 29, 2013
0990005-038-AV 4th Revision Effective Date: *DRAFT/PROPOSED*

PRIMARY REGULATORY REQUIREMENTS (TOTAL FACILITY)

Standard Industrial Classification (SIC) Code: 2062 – Sugar Refinery

North American Industry Classification System (NAICS): 311312

HAP: The facility is identified as a major source of hazardous air pollutants (HAP).

Title IV: The facility does not operate units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

The facility is subject to Chapter 62-17, F.A.C. for power plant site certification because it produces more than 75 MW of steam-generated electrical power. [Site Certification No. PA 04-46]

Existing units are subject to the following New Source Performance Standards (NSPS) in Part 60 of Title 40, the Code of Federal Regulations (CFR): Subpart A (General Provisions),

NSPS Part 60, Subpart Da (Electric Utility Steam Generating Units).

Units are subject to National Emissions Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A General Provisions.

Units are subject to 40 CFR 63 Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. [Rule 62-213.440, F.A.C.] *Appendix SS provides a summary of the applicable requirements for each regulated unit.*

Units are subject to National Emissions Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A – General Provisions.

REGULATED POLLUTANTS

Criteria Pollutants

Emissions units at this facility may emit one or more of the following criteria air pollutants: carbon monoxide (CO), nitrogen oxides (NO_X), sulfur dioxide (SO_2), particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM_{10}), volatile organic compounds (VOC) and lead (Pb).

Other Regulated PSD Pollutants

In addition to the above criteria air pollutants, emissions units at this facility may emit one or more of the following PSD pollutants: fluorides (F); sulfuric acid mist (SAM); hydrogen sulfide (H_2S); total reduced sulfur (TRS), including H_2S; reduced sulfur compounds, including H_2S; and mercury (Hg).

Hazardous Air Pollutants

Emissions units at this facility may emit one or more hazardous air pollutants (HAP) as defined in Rule 62-210.200, F.A.C.

PROJECT REVIEW

This project revises the existing Title V air operation permit No. 0990005-034-AV for the above referenced facility to incorporate minor revisions from air construction permit Nos. 0990005-035-AC to add a baghouse to the Bulk Load-out Operation (EU-034) and 0990005-037-AC and add four (4) Sugar Packaging Lines No. 16, 17, 18 and 19 with baghouse, to Warehouse No. 3.

CONCLUSION

This project revises Title V air operation permit No. 0990005-034 -AV, which was effective on AUGUST 26, 2013. This Title V air operation permit revision is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210, 62-213 and 214, F.A.C.