



APPENDIX B-7

Portions of the Seward Title V Operating Permit

**Bureau of Air Quality
Department of Environmental Protection**

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V STATE OPERATING PERMIT

Issue Date: February 11, 2013 Effective Date: April 8, 2016
Revision Date: April 8, 2016 Expiration Date: February 11, 2018
Revision Type: Amendment

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 32-00040

Federal Tax Id - Plant Code: 81-0806945

Owner Information

Name: SEWARD GENERATION LLC
Mailing Address: 595 PLANT ROAD
NEWFLORENCE, PA 15944

Plant Information

Plant: SEWARD GENERATING STATION
Location: 32 Indiana County 32919 East Wheatfield Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: JIM PANARO
Title: EXECUTIVE VICE PRESIDENT
Phone: (814) 322 - 2294

Permit Contact Person

Name: STEVE YUHAS
Title: ENVIRONMENTAL COORDINATOR
Phone: (814) 446 - 7119

[Signature] _____
MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION

SECTION E. Source Group Restrictions.

Group Name: G01

Group Description: CFB Boilers

Sources included in this group

ID	Name
034	CFB BOILER 1
035	CFB BOILER 2

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

~~Ammonia slip from the CFB boilers shall be no greater than 10 ppmv in combined Stack S04. Continuing compliance with this condition shall be demonstrated by adhering to good operating practices. (25 Pa. Code § 127.441)~~

~~[From Plan Approval, PA-32-00040B, Condition 10.]~~

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

~~Emissions of sulfur oxides, expressed as SO₂, shall be reduced in the boiler and flyash reinjection system, by at least 95% on a 12-month rolling average.~~

~~Additional SO₂ removal efficiency stated in the application shall be achieved by fuel beneficiation.~~

~~[From Plan Approval, PA-32-00040B, Condition 11.]~~

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Combined emissions for the boilers (Sources 034 and 035) shall be limited as follows:

Pollutant	lbs/hr
NO _x	759.6
Filterable PM ₁₀	50.6
SO ₂	3038.4
CO	759.6
NM VOC (as propane)	25.4
NH ₃	32.8

in accordance with applicable BAT, BACT, and LAER requirements.

Compliance with emissions limitations for NO_x and SO₂ are based on a 30-day rolling lb/MMBtu average in accordance with 25 PA Code 139. ~~Compliance with Filterable PM₁₀, CO, NM VOC, and NH₃ emissions limitations shall be determined by the average of three source tests conducted in accordance with the DEP Source Testing Manual. Filterable PM₁₀ emissions shall be determined in accordance with EPA Method 201A, or alternative as approved by the Department.~~

~~[From Plan Approval, PA-32-00040B, Condition 13.]~~

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

~~The Owner or Operator shall not permit the emission to the outdoor atmosphere of visible emissions from the boilers, in such a manner that the opacity of the emission is equal to or greater than 10% for a period, or periods aggregating more than 3 minutes in any one hour, or 30% at any time.~~

~~[From Plan Approval, PA-32-00040B, Condition 8.]~~

SECTION E. Source Group Restrictions.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Combined emissions for the boilers (Sources 034 and 035) shall be limited as follows:

Pollutant	lb/MMBtu
NO _x	0.15
Filterable PM ₁₀	0.01
SO ₂	0.6
CO	0.15
NM VOC (as propane)	0.005

in accordance with applicable BAT, BACT, and LAER requirements.

Compliance with emissions limitations for NO_x and SO₂ are based on a 30-day rolling average lb/MMBtu in accordance with 25 PA Code 139. ~~Compliance with Filterable PM₁₀, CO, NM VOC, and NH₃ emissions limitations shall be determined by the average of three source tests conducted in accordance with the DEP Source Testing Manual. Filterable PM₁₀ emissions shall be determined in accordance with EPA Method 201A, or alternative as approved by the Department.~~

[From Plan Approval, PA 32-00040B, Condition 13.]

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Combined emissions for the boilers (Sources 034 and 035), shall be limited as follows:

Pollutant	tons/year
NO _x	3,327
Filterable PM ₁₀	222
SO ₂	13,308
CO	3,327
NM VOC (as propane)	111
NH ₃	144

during each consecutive 12-month period, updated monthly.

[From Plan Approval, PA 32-00040B, Condition 13.]

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

~~1. The permittee shall conduct an initial source test for filterable PM₁₀ from the combined stack of Boiler #1 and Boiler #2, within four (4) calendar quarters of the issuance of this Operating Permit and subsequent source tests shall be conducted at least every two (2) years. Stack testing conducted within the two (2) year period prior to the issuance of this TVOP may be used to meet the requirements of this condition. However, should either CFB Boiler qualify as a Low-Emitting EGU (LEE) for filterable particulate under 40 CFR 63.10005(h), subsequent testing for particulate, PM₁₀, and PM_{2.5} shall take place within every three (3) year period, for as long as the unit continues to qualify as a LEE for filterable particulate under 40 CFR Part 63, Subpart UUUUU. Should the unit cease to qualify as a LEE for filterable particulate, under this subpart, a two (2) year testing cycle shall be reestablished.~~

~~2. Source testing shall be conducted on the combined stack of Boiler #1 and Boiler #2 for CO, VOC, and NH₃ at least every five years. Testing for CO shall be conducted by EPA Method 10 or Department approved equivalent. Testing for VOC shall be conducted by EPA Method 25A or Department approved equivalent. Testing for NH₃ shall be conducted by EPA Method CTM-027 or Department approved equivalent.~~

~~3. All testing shall be performed while Source IDs 034 and 035 are operating at no less than 80% of the maximum rated heat input, or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Soot blowing and ash removal in the boiler must be conducted at normal intervals and testing may not be scheduled to~~