



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: February 15, 2013 Effective Date: February 15, 2013
Revision Date: December 19, 2013 Expiration Date: February 15, 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: 15-00019

Federal Tax Id - Plant Code: 23-3064219-4

Owner Information

Name: EXELON GENERATION CO LLC
Mailing Address: 100 CROMBY RD
 PHOENIXVILLE, PA 19460-1882

Plant Information

Plant: EXELON GEN CO/CROMBY GEN STA
Location: 15 Chester County 15923 East Pikeland Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: DAVID LILLEFLOREN
Title: DIR OF ASSET MNGMT
Phone: (410) 470 - 0171

Permit Contact Person

Name: JOHN TISSUE
Title: SR PROGRAM MGR - AQ
Phone: (610) 765 - 5495

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General Title V Requirements

- #001 Definitions
- #002 Property Rights
- #003 Permit Expiration
- #004 Permit Renewal
- #005 Transfer of Ownership or Operational Control
- #006 Inspection and Entry
- #007 Compliance Requirements
- #008 Need to Halt or Reduce Activity Not a Defense
- #009 Duty to Provide Information
- #010 Reopening and Revising the Title V Permit for Cause
- #011 Reopening a Title V Permit for Cause by EPA
- #012 Significant Operating Permit Modifications
- #013 Minor Operating Permit Modifications
- #014 Administrative Operating Permit Amendments
- #015 Severability Clause
- #016 Fee Payment
- #017 Authorization for De Minimis Emission Increases
- #018 Reactivation of Sources
- #019 Circumvention
- #020 Submissions
- #021 Sampling, Testing and Monitoring Procedures
- #022 Recordkeeping Requirements
- #023 Reporting Requirements
- #024 Compliance Certification
- #025 Operational Flexibility
- #026 Risk Management
- #027 Approved Economic Incentives and Emission Trading Programs
- #028 Permit Shield

Section C. Site Level Title V Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level Title V Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!



SECTION A. Table of Contents

Section E. Alternative Operating Scenario(s)

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Emission Restriction Summary

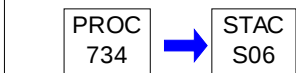
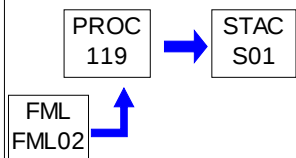
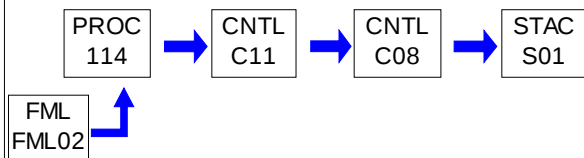
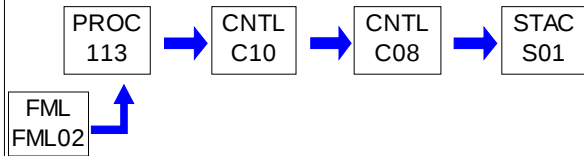
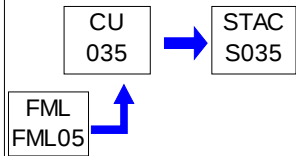
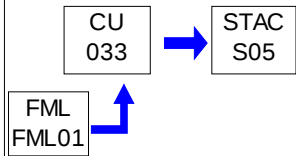
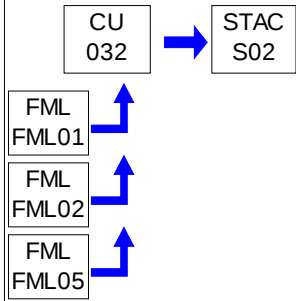
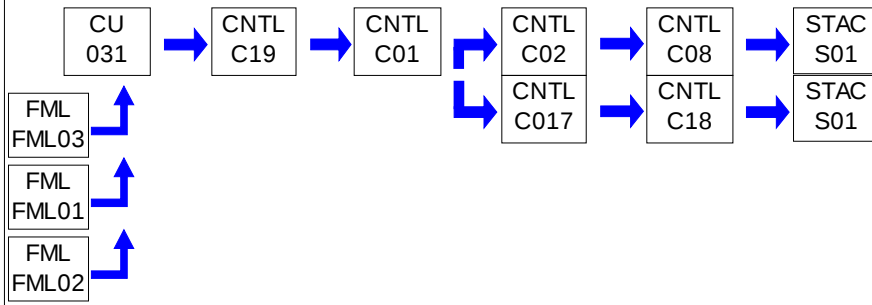
Section G. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	BOILER 1	1,537.000	MMBTU/HR	
		65.000	Tons/HR	BITUMINOUS COAL
		11,429.000	Gal/HR	#6 OIL
		1,090.000	Gal/HR	#2 OIL
032	BOILER 2	2,300.000	MMBTU/HR	
		15,184.000	Gal/HR	#6 OIL
		1,825.000	Gal/HR	#2 OIL
		2,400.000	MCF/HR	NATURAL GAS
033	CROMBY AUXILIARY BOILER	42.000	MMBTU/HR	
		311.000	Gal/HR	#2 OIL
035	NATURAL GAS PREHEATER	5.800	MMBTU/HR	
		6.000	MCF/HR	NATURAL GAS
113	CENTRIFUGE DRYER A	224.500	Gal/HR	#6 OIL
			N/A	MGS03
114	CENTRIFUGE DRYER B	299.300	Gal/HR	#6 OIL
			N/A	MGS03
119	REHEAT BURNERS (A, B, C)	444.000	Gal/HR	#6 OIL
734	DIESEL GENERATOR	213.000	Gal/HR	#2 Oil
C01	MECHANICAL COLLECTOR 1			
C017	"D" SECONDARY COLLECTOR (CYCLONE)			
C02	ELECTROSTATIC PRECIP 1			
C08	WET SCRUBBER TRAIN ABC			
C10	DRYER A CYCLONE			
C11	DRYER B CYCLONE			
C18	BAGHOUSE 1			
C19	SNCR FOR BOILER 1			
FML01	#2 FUEL OIL TANK			
FML02	#6 FUEL OIL TANK			
FML03	COAL PILE			
FML05	NATURAL GAS PIPELINE			
S01	BOILER 1 STACK			
S02	BOILER 2 STACK			
S035	PREHEATER STACK			
S05	AUX BOILER STACK			
S06	EMER GEN STACK			

PERMIT MAPS

PERMIT MAPS



SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.512(c)(4)]

Property Rights

This permit does not convey property rights of any sort, or any exclusive privileges.

#003 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

SECTION B. General Title V Requirements

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#008 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

SECTION B. General Title V Requirements

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

- (a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.
- (b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

- (a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.
- (b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:
- (1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.
 - (2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.
 - (3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.
- (d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#011 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#012 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

SECTION B. General Title V Requirements

#013 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications).

#014 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

- (a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a).
- (b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]

Severability Clause

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).
- (e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.
- (f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

- (a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or

SECTION B. General Title V Requirements

(2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.
- (5) Laboratory equipment used exclusively for chemical or physical analysis.
- (6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.
- (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

SECTION B. General Title V Requirements

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#018 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#019 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

SECTION B. General Title V Requirements

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#021 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

Sampling, Testing and Monitoring Procedures

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#022 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

SECTION B. General Title V Requirements

#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#024 [25 Pa. Code § 127.513]

Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]

Operational Flexibility

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)

SECTION B. General Title V Requirements

(5) Section 127.450 (relating to administrative operating permit amendments)

(6) Section 127.462 (relating to minor operating permit amendments)

(7) Subchapter H (relating to general plan approvals and operating permits)

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,

(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

SECTION B. General Title V Requirements**#027 [25 Pa. Code § 127.512(e)]****Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations.
- (g) Sources, and classes of sources, other than those identified in (a) - (f) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002, of this Section, if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]

Limitations

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (b) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]

Exceptions

The limitations of Condition #005, of this Section, shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the sources specified in Condition #002, of this Section.

SECTION C. Site Level Requirements**# 007 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set solely for cooking food.
- (d) A fire set solely for recreational or ceremonial purposes.
- (e) A fire set for the prevention and control of disease or pests, when approved by the Department.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) Odors.
 - (2) Visible emissions.
 - (3) Fugitive particulate matter.
- (b) Objectionable odors, which may cause annoyance or discomfort to the public noticed at the site property boundaries that are caused, or may be caused, by operations at the site; fugitive particulate matter in excess of Condition #002, and #003, of this Section; or visible emissions in excess of Condition #005 of this Section shall:
 - (1) Be investigated.
 - (2) Be reported to the Production Manager, or Control Room.
 - (3) Have appropriate corrective action taken (for emissions that originate on-site).
 - (4) Be recorded in a permanent written log.
- (c) At the end of six months, upon the permittee's request, the Department will review the results of the daily monitoring, and other factors to determine the feasibility of decreasing the monitoring frequency to weekly for the next six-month period.
- (d) At the end of the second six-month period, upon the permittee's request, the Department will again review the monitoring results to determine if the frequency can be decreased to monthly.

SECTION C. Site Level Requirements

(e) The Department reserves the right to change the above monitoring requirements at any time, based on, but not limited to: the review of the compliance certification and the semi-annual report of monitoring and record keeping, complaints, monitoring results, and/or Department findings.

Visible emissions can be measured in accordance with the monitoring method specified in the monitoring condition above, or alternatively, plant personnel who observe visible emissions shall report the incidence to the site environmental coordinator or control room, who shall report these emissions in accordance with the malfunction reporting requirements under the site conditions. The site environmental coordinator or control room operator shall also make arrangements for a certified observer to verify the visible emissions.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

The permittee shall maintain a record, either electronic or hard copy, of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) Date, time, and location of the incident(s).
- (b) The cause of the event.
- (c) The corrective action taken, if necessary, to abate the deviation and prevent future occurrences.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records required per this operating permit shall be maintained in a format approved by the Department and retained for a period of 5 years. Records shall be readily available upon request of the Department.

V. REPORTING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511(c)]

For those air contaminants monitored by a Department certified CEMS, for which the Department's Enforcement Policy - Continuous Emission Monitoring System (CEMS) and Coal Sampling/Analysis Systems (CSAS) established penalties for excess emissions, the aforementioned notification and reporting requirements will be waived.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall, within two (2) hours, of becoming knowledgeable, of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or regulation contained in 25 Pa. Code Article III.
- (b) Malfunction(s) which occur at this Title V facility, and pose(s) an imminent danger to public health, safety, welfare and

SECTION C. Site Level Requirements

the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

(d) For those air contaminants monitored by a Department certified CEMS, for which the Department's Enforcement Policy-Continuous Emission Monitoring System (CEMS) and Coal Sampling/Analysis Systems (CSAS) established penalties for excess emissions, the aforementioned notification and reporting requirements will be waived.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511(c)]

The permittee shall submit the following reports:

- (a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit.
- (b) A semi annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year. (Note: The annual certification of compliance fulfills the second deviation reporting period (July 1 through December 31).

016 [25 Pa. Code §135.3]

Reporting

The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

017 [25 Pa. Code §135.21]

Emission statements

The permittee shall submit by March 1, of each year, an annual emission statement for the preceding calendar year.

VI. WORK PRACTICE REQUIREMENTS.

018 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Condition #002, of this Section, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

SECTION C. Site Level Requirements

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h)]

The permittee shall immediately, upon discovery, begin to implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h)]

The permittee may not modify any air contaminant system identified in Sections A or G, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition #017(g), of Section B, of this permit.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h)]

The permittee shall ensure that the sources and air pollution control devices, listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturers specifications.

VII. ADDITIONAL REQUIREMENTS.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The sources identified in this operating permit shall not use waste derived liquid fuels (WDLF) without prior approval from the Department.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 031

Source Name: BOILER 1

Source Capacity/Throughput: 1,537.000 MMBTU/HR

65.000 Tons/HR

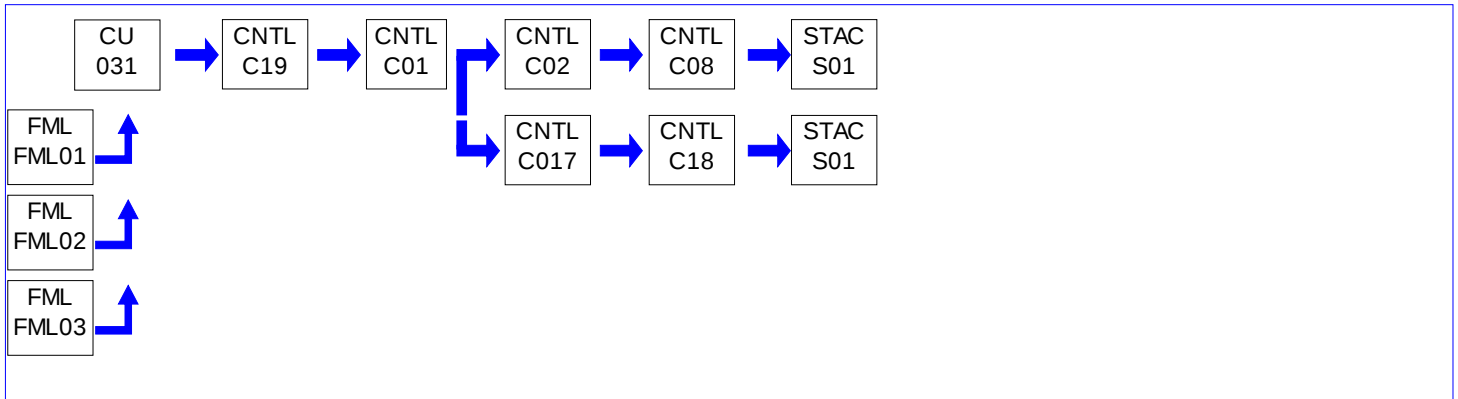
BITUMINOUS COAL

11,429.000 Gal/HR

#6 OIL

1,090.000 Gal/HR

#2 OIL



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.1 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(3).

002 [25 Pa. Code §123.22]

Combustion units

When operating this boiler on coal, the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, shall not be in excess of any of the following:

- (a) A thirty (30) day running average of 0.90 lbs/MMBtu of heat input, not to be exceeded at any time.
- (b) Daily average of 1.2 lbs/MMBtu of heat input, not to be exceeded more than two (2) days in any running thirty (30) day period.
- (c) Daily average maximum of 1.44 lbs/MMBtu of heat input, not to be exceeded at any time.

003 [25 Pa. Code §123.22]

Combustion units

When operating on fuel oil, emissions of SO₂ from this source are limited to 1.2 lbs/MMBtu of heat input.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Maximum air contaminant emissions from this boiler and associated control equipment shall be limited to the following:

- (a) Volatile Organic Compounds (VOCs) - 0.003 lbs/MMBtu and 25.0 tons in any 12 consecutive month period, whichever is more stringent.
- (b) NO_x - 0.50 pounds or less per MMBtu of heat input on a thirty (30) day rolling average.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The ammonia slip concentration from using the SNCR system shall not exceed 10 ppmv, corrected to 3% oxygen, dry basis.

SECTION D. Source Level Requirements

Fuel Restriction(s).

006 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in this boiler which contains sulfur in excess of 0.3% by weight for No. 2 fuel oil, or 1.0% by weight for No. 6 fuel oil, pursuant to 25 Pa. Code § 123.22(e)(2).

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The fuels used in the operation of this boiler shall be limited to the following types:

- (a) Bituminous Coal.
- (b) No. 6 Fuel oil.
- (c) No. 2 Fuel oil.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

(a) The permittee shall test the coal on an as-delivered basis for the following:

- (1) sulfur content, in percent by weight;
- (2) heat content, in Btu/lb; and
- (3) ash content.

(b) The above testing requirements shall be waived in the event that a delivery receipt from the supplier, showing the above, is obtained each time a coal delivery is made.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) By June 30, 2009, the permittee shall conduct initial source testing on the exhaust of this source to determine the post-control emissions of total particulate matter (filterable and condensable) and PM-2.5.

(b) Every other calendar year thereafter, the permittee shall conduct source testing to determine the post-control emissions of total particulate matter (filterable and condensable) and PM-2.5.

(c) All testing shall be performed while the source is operating at greater than or equal to 90% of the maximum heat input (MMBTU/hour) that the facility intends to supply to the unit in the future, or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Soot blowing and ash removal must be conducted at normal intervals and testing may not be scheduled to avoid such periods as they are considered to be normal operations.

(d) All testing shall be conducted in accordance with any applicable federal regulations; 25 Pa. Code, Chapter 139 (relating to sampling and testing); and the current revision of the Department's Source Testing Manual. The following federal reference methods, or other test methods approved by the Department prior to testing, shall be used to quantify emissions:

- (1) 40 CFR 60, Appendix A, Methods 1-4 shall be used to determine the volumetric flow rate;
- (2) 40 CFR 60, Appendix A, Method 5 shall be used to determine the filterable particulate matter (FPM) emission concentration (grains/dscf) and emission rate (lbs/hour and lbs/MMBTU);
- (3) 40 CFR 60, Appendix A, Method 19 shall be used to determine the total particulate matter;
- (4) Other Test Method 28 (OTM-28) shall be used to determine the condensable particulate matter (CPM) concentration (grains/dscf) and emission rate (lbs/hour);

SECTION D. Source Level Requirements

(5) The emission results (grains/dscf, lbs/hour, and lbs/MMBTU) for Methods 5 or other method approved by the Department and OTM-28 shall be summed to calculate the total PM and total PM-10 concentrations and emission rates.

(e) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples

(f) At least thirty (30) calendar days prior to commencing an emission testing program required by this permit, written notification of the date and time of testing shall be provided to the Department's Southeast Regional Office. Written notification shall also be sent to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring. The notification shall not be made without prior receipt of a protocol acceptance letter from the Department. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing. In addition, the emissions testing shall not commence prior to receipt of a protocol acceptance letter from the Department.

(g) The following process parameters shall be recorded at fifteen (15) minute intervals during each test run (if possible). This data (including the units) and a summary thereof, averaged over each test run, must be included in the test report if applicable.

- (1) heat input rate of coal [MMBTU/hour];
- (2) coal feed rate to the boiler [tons/hour];
- (3) steam flow [lbs/hour];
- (4) steam temperature [°F];
- (5) steam pressure [psig];
- (6) soot blowing and/or ash removal (Yes/No);
- (7) oxygen level at the economizer [%];
- (8) baghouse differential pressure [in. H₂O];
- (9) fan speed [rpm]; and

(h) Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring at RA-epstacktesting@state.pa.us and the Southeast Regional Office indicating the completion date of the on-site testing.

(i) A complete test report shall be submitted to the Department no later than sixty (60) calendar days after completion of the on-site testing portion of an emission test program.

(j) A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

- (1) a statement that the permittee has reviewed the report from the emissions testing body and agrees with the findings;
- (2) permit number(s) and condition(s) which are the basis for the evaluation;
- (3) summary of results with respect to each applicable permit condition; and
- (4) statement of compliance or non-compliance with each applicable permit condition.

(k) All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(l) All submittals, besides notifications, shall be accomplished through PSIMS* Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, one copy of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the Southeast Regional Office.

SECTION D. Source Level Requirements

(m) The permittee shall ensure all federal reporting requirements contained in the applicable federal requirements are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method, or rule shall be used by default.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Once per 5-year term of the Title V Operating Permit, the permittee shall perform stack testing on this source to demonstrate compliance with the applicable short term VOC emission limit:

- (1) Testing shall be performed while this source is operating under normal conditions and operating on the worst case fuel.
- (2) Soot blowing and ash removal must be conducted at normal intervals and testing may not be scheduled to avoid such periods as they are considered to be normal operations.
- (3) Testing shall be performed no later than 6 months prior to the expiration of the Title V Operating Permit.

(b) Testing shall be conducted in accordance with any applicable federal regulations; 25 Pa. Code, Chapter 139 (relating to sampling and testing); and the current revision of the Department's Source Testing Manual. If the effluent concentration is below 50 ppm, as carbon, then EPA's Method 25A may be used. However, if the effluent concentration is above 50 ppm, as carbon, then EPA's Method 25 must be used.

(c) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

011 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.
- (2) Tests methods and procedures for the determination of sulfur shall be those approved by the Department.
- (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The CEMS for Boiler No. 1 shall monitor, at a minimum, the following:

SECTION D. Source Level Requirements

- (a) NO_x, to record in lbs/MMBtu.
- (b) SO₂, to record in lbs/MMBtu.
- (c) CO₂, in percent.
- (d) flue gas flow.
- (e) opacity, in percent.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Using a Department approved method the fuel throughput, and type, for this source shall be monitored on a weekly basis.

014 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

[Authority for this permit condition is also derived from 25 Pa. Code § 127.441]

- (a) The permittee shall use a Continuous Opacity Meter (COM) to measure opacity downstream of the wet scrubber train.
- (b) The permittee shall use the opacity readings to obtain data and monitor the emission control equipment performance.
- (c) The permittee shall monitor the aforementioned performance indicator on a continuous basis.
- (d) For the purposes of determining an excursion, the permittee shall collect opacity data points over one-hour blocks.

015 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]

Sections of PART 64

Approval of monitoring

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

- (a) The permittee shall monitor the following indicators, concerning CAM, for this source:
 - (1) opacity as measured by the Department approved COMS (3-hour rolling average);
 - (2) minimum differential pressure across the scrubber (3-hour rolling average);
 - (3) hourly average heat input measured at the Unit 1 stack; and
 - (4) annual inspection of the condition of the bags in the baghouse;
- (b) All of the above monitoring must be performed using a Department approved method.

IV. RECORDKEEPING REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Sufficient records shall be maintained, and calculations performed, to demonstrate compliance with all of the emission limits for the various averaging periods required for this source.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

- (a) The permittee shall verify and record the following fuel characteristics for the coal on an as-delivered basis:
 - (1) sulfur content, in percent by weight;
 - (2) heat content, in Btu/lb; and
 - (3) ash content.

SECTION D. Source Level Requirements

(b) The requirements in subcondition (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the constituents above, is obtained each time a coal delivery is made.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Using a Department approved method the fuel throughput, and type, for this source shall be recorded on a weekly basis.

019 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

(a) The permittee shall continuously record opacity, heat input to the boiler, and pressure drop across the scrubber using the data acquisition system, or other Department approved methods.

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(c) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(e) The permittee shall keep all records for a period of five (5) years and make records available to the Department upon request.

020 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall maintain records of the following indicators, concerning CAM, for this source:

- (a) 3 hour rolling average of the differential pressure drop across the scrubber;
- (b) 3 hour rolling average of the opacity from the COMS; and
- (c) records of the annual inspections of the condition of the bags in the bag house.
- (d) the hourly average heat input measured at the Unit 1 stack.

V. REPORTING REQUIREMENTS.

021 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]

Sections of PART 64

Reporting and recordkeeping requirements

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

(a) The permittee shall report all excursions and corrective actions taken, including the dates, times, durations and possible causes, every six (6) months.

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes and corrective actions taken, every six (6) months.

(c) The above reports shall be submitted to the Department, along with the semi-annual deviation reports required by this

SECTION D. Source Level Requirements

operating permit.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10030]

SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units

What notifications must I submit and when?

(a) The permittee shall submit all of the notifications in 40 CFR §§ 63.7(b) and (c), 63.8 (e), (f)(4) and (6), and 63.9 (b) through (h) that apply by the dates specified.

(b) As specified in 40 CFR § 63.9(b)(2), the permittee shall submit an Initial Notification no later than August 14, 2012.

VI. WORK PRACTICE REQUIREMENTS.

023 [25 Pa. Code §123.25]

Monitoring requirements

The permittee shall operate and maintain a CEM system for SO₂, in compliance with Chapter 139 of the Pennsylvania Code and 40 CFR, Part 75.

024 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Ash shall be handled by either of the following methods:

- (a) conditioned (wetted), prior to discharge and handled in covered containers; or,
- (b) discharged dry into sealed containers.

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

(a) The permittee shall sample fuel in the fuel oil storage tank within two (2) working days after any 24-hour period in which a delivery of fuel oil to the tank occurred.

(b) The permittee shall test the sampled fuel for percent sulfur content by weight and Btu heating value. The testing for sulfur content shall be conducted in accordance with the testing requirements for this source.

(c) The permittee shall record the results of the sulfur and Btu content of the fuel.

(d) The above testing requirements shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

(a) The CEMS and components must be operated and maintained in accordance with the requirements established in Chapter 139, Subsection C of the Regulations of the Pennsylvania Department of Environmental Protection and the quality assurance requirements in the Department's most current version of the Continuous Source Monitoring Manual (document number 274-0300-001).

(b) Additionally, the CEM system and components for SO₂ shall also be operated and maintained in accordance with 40 CFR, Part 75.

SECTION D. Source Level Requirements

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The NOx analyzer, in conjunction with the Department-approved CEMS data Acquisition System, shall quantify emissions in pounds of NOx per MMBtu of heat input to demonstrate compliance with the NOx limits for this boiler.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 and 123.25]

(a) The CEMS shall be maintained and operated to achieve the following data availability requirements of 25 Pa. Code § 139.101(12) for Opacity, SO₂, Carbon Dioxide and NO_x:

(b) At least 95% valid hours/calendar quarter, or at least 90% valid hours/ calendar month, where a valid hour is defined in the applicable revision of the Department's Continuous Source Monitoring Manual.

029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

(a) To comply with the presumptive RACT requirements of 25 Pa. § 129.93(b)(1), the NO_x emissions from this boiler shall be controlled by the following:

(1) a Babcock & Wilcox Low-NO_x firing system consisting of sixteen (16) Low-NO_x burners, DRB-XCL (Axial Control Low NO_x) type, which employ a high degree of staging; and,

(2) a B&W Separated Overfire Air Supply System which includes a total of six (6) dual air zone NO_x ports designed to provide optimum mixing of air in the second stage of combustion.

(b) Air contaminant emissions are controlled by an American Standard mechanical collector and a Research-Cottrel electrostatic precipitator for flyash removal, a fabric collector, three (3) particulate matter scrubbers, and three (3) SO₂ scrubbers.

030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The NO_x emissions may voluntarily be controlled by a Selective Non-Catalytic Reduction (SNCR), trade name NO_x OUT (Registered).

031 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The storage and handling of the ash generated by the operation of this boiler shall not at any time result in the emission of fugitive air contaminants in excess of Condition #003, of Section C, of this permit.

032 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.2040]

Subpart NN--Pennsylvania

[Reserved]

[Additional authority is also derived from 25 Pa. Code § 127.441 and 40 CFR § 50.2041]

(a) The permittee of each NO_x or SO₂ source located within the State of Pennsylvania and for which requirements are set forth under the Federal CAIR in 40 CFR Part 97 must comply with such applicable requirements. The obligation to comply with these requirements in 40 CFR Part 97 will be eliminated by the promulgation of an approval by the EPA's Administrator of a revision to the Pennsylvania State Implementation Plan (SIP) as meeting the requirements of CAIR, except to the extent the EPA Administrator's approval is partial or conditional or unless such approval is under 40 CFR § 51.123 or under 40 CFR § 51.124. Upon the approval of Pennsylvania's State Implementation Plan, the owner and operator shall comply with 25 Pa. Code Section 145.8 through 145.223.

SECTION D. Source Level Requirements

(b) Notwithstanding any provisions 40 CFR § 52.2040, if, at the time of such approval of the State's SIP, the EPA's Administrator has already allocated CAIR NOx Ozone Season allowances to sources in the State for any years, the provisions of 40 CFR Part 97 authorizing the Administrator to complete the allocation of CAIR NOx Ozone Season allowances for those years shall continue to apply, unless the Administrator approves a SIP provision that provides for the allocation of the remaining CAIR NOx Ozone Season allowances for those years.

033 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]

Sections of PART 64

Monitoring design criteria

[Authority for this permit condition is also derived from 25 Pa. Code § 127.441]

(a) Data representativeness:

(1) The percent opacity measured by the Continuous Opacity Monitor (COMs) is proportional to the amount of Total Suspended Particulate matter (TSP) in the exhaust stream. The accuracy of the COMs shall be verified annually by methods specified in the most recent version of the Department of Environmental Protection's CEM Manual. Opacity shall be further correlated to the mass emission rate through an approved particulate testing program taken during routine normal operations in a full daily cycle (every five years).

(2) The percent opacity will also act as a direct indication of the integrity of the wet scrubber train and the various components involved. Further, the wet scrubber train integrity is representative of the particulate emission rate. The COMs is located in the stack after the wet scrubber outlet. The COMs shall have a minimum accuracy as specified in the latest edition of PADEP's Continuous Source Monitoring Manual.

(3) The data from the continuous opacity monitor is configured with the data from the unit's continuous stack flow monitor to complete the conversion of the PM emissions into compatible emission units of lbs/MMBtu.

(4) The facility will use the following formula to demonstrate the reasonable assurance of compliance with the particulate matter limit of 0.1 lbs/MMBtu. Use of this formula, combined with an opacity reading of less than 25%, (or through the use of the other three surrogate indicators) will provide assurance that the PM emissions will be at least 10% less than the permitted emission limit.

Emission rate (lbs/hr) = $22.005e^{(0.0209y)}$, where y = opacity times 100

(b) Verification of Operational Status:

(1) The operation of the COMs shall be verified by the presence of a non-zero opacity signal on the COMs readout, and the results of the QA/QC program.

(2) The COM data must account for, at a minimum, 90% of all valid hours of operation in a calendar month and 95% of all valid hours of operation in a calendar quarter.

(c) QA/QC Practices: To assure the accuracy of readings from the COMs, the permittee shall perform daily drift checks, a quarterly calibration audit, and an annual RATA in accordance with the Department's policies and procedures.

(d) Data Collection Procedures & Averaging Periods:

(1) An electronic Data Acquisition and Handling system (DAHs) shall collect data points from the COMs approximately every 10 seconds. These percent opacity data points are reduced to 1-minute averages and then to 1-hour averages. Overall averaging period is in one-hour blocks.

(2) An electronic DAHs shall collect data points from the flow monitor and CO2 CEM approximately every ten seconds. The flow rate minute averages shall be calculated from the 10-second data. Hourly data shall be calculated from the minute data. Monitor response time shall be less than 15 minutes.

(3) An electronic DAHs shall collect a minimum of 4 equally-spaced data points every hour as per the requirements

SECTION D. Source Level Requirements

of 40 CFR § 64.3(b)(4)(ii). TSP emission rates will be calculated using the minute indicator inputs, with hourly average TSP emission rates used to calculate 3-hour block averages to demonstrate with reasonable assurance that the TSP emission limits are being met.

034 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6] Sections of PART 64 Approval of monitoring

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the control devices.

(a) The permittee shall operate and maintain detectors or sensors at a Department approved location for obtaining data that is representative of the monitored indicator.

(b) The permittee shall develop verification procedures to confirm the operational status of the monitoring devices. (Operational status pertains to the accuracy of the measured values. The permittee may compare the data with any Department approved standardized data at a specific time interval.)

(c) For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment, according to the manufacturer's recommended procedures and Department approved methodologies.

035 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6] Sections of PART 64 Approval of monitoring

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

(a) The permittee shall ensure that at least 90% of the approved monitoring data has been properly and accurately collected.

(b) The permittee shall maintain all monitoring equipment and stock spare parts as necessary for routine on-site repairs.

036 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6] Sections of PART 64 Approval of monitoring

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

The permittee shall adhere to the following approved operating parameters for the control of particulate matter by the control devices for this source so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

(a) 3-hour rolling average opacity readings of greater than 25%; and

(b) Hourly heat input to the boiler, measured at the stack (between 412 MMBtu/hr and 1740 MMBtu/hr); and

(c) 3-hour rolling average differential pressure readings of less than 11.7 inch w.g. across the scrubber.

037 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.106] Subpart AA - CAIR NOx Annual Trading Program General Provisions Standard requirements.

[Additional authority is also derived from 25 Pa. Code § 127.441]

(a) Monitoring, reporting, and recordkeeping requirements.

(1) The permittee, and the CAIR designated representative shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97, Subpart HH.

SECTION D. Source Level Requirements

(2) The emissions measurements recorded and reported in accordance with 40 CFR 97, Subpart HH shall be used to determine compliance by each CAIR NO_x source with the CAIR NO_x emissions limitation under (b), below.

(b) Nitrogen oxides emission requirements.

(1) As of the allowance transfer deadline for a control period, the permittee shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR § 97.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 40 CFR 97, Subpart HH.

(2) The permittee shall meet the source's monitor certification requirements under 40 CFR § 97.170(b)(1), (2), or (5) and for each control period.

(3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under (b)(1), above, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.

(4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with 40 CFR 97, Subparts EE, FF, GG, and II.

(5) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 97.105 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NO_x allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR 97, Subparts EE, FF, GG, or II, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x source's compliance account is incorporated automatically in any CAIR permit of the source.

(c) Excess emissions requirements. If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, then:

(1) The permittee shall surrender the CAIR NO_x allowances required for deduction under 40 CFR § 97.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR 97, Subpart AA, the Clean Air Act, and applicable State law.

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the permittee shall keep on site each of the following documents for a period of five (5) years from the date the document is created. This period may be extended for cause, at any time before the end of five (5) years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under 40 CFR § 97.113 for the CAIR designated representative for the source and each CAIR NO_x source at the facility and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the site beyond such five (5) year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.113 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR 97, Subpart HH, provided that to the extent that 40 CFR 97, Subpart HH provides for a three (3) year period for recordkeeping, the three (3) year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the

SECTION D. Source Level Requirements

CAIR NOx Annual Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Annual Trading Program.

(2) The CAIR designated representative shall submit the reports required under the CAIR NOx Annual Trading Program, including those under 40 CFR 97, Subpart HH.

(e) Liability.

(1) Each CAIR NOx source shall meet the requirements of the CAIR NOx Annual Trading Program.

(2) Any provision of the CAIR NOx Annual Trading Program that applies to a CAIR NOx source shall also apply to the permittee.

(f) Effect on other authorities. No provision of the CAIR NOx Annual Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR § 97.105 shall be construed as exempting or excluding the permittee, and the CAIR designated representative from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 038 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.206]
Subpart AAA - CAIR SO2 Trading Program General Provisions
Standard requirements.**

[Additional authority is also derived from 25 Pa. Code § 127.441]

(a) Monitoring, reporting, and recordkeeping requirements.

(1) The permittee shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97, Subpart HHH.

(2) The emissions measurements recorded and reported in accordance with 40 CFR 97, Subpart HHH shall be used to determine compliance by this CAIR SO2 source with the CAIR SO2 emissions limitation under (b), below.

(b) Sulfur dioxide emission requirements.

(1) As of the allowance transfer deadline for a control period, the permittee shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO2 allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR §. 97.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO2 units at the source, as determined in accordance with 40 CFR 97, Subpart HHH.

(2) A CAIR SO2 source shall be subject to the requirements under (b)(1), above, for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit(s) monitor certification requirements under 40 CFR § 97.270(b)(1),(2), or (5) and for each control period thereafter.

(3) A CAIR SO2 allowance shall not be deducted, for compliance with the requirements under (c)(1), above, for a control period in a calendar year before the year for which the CAIR SO2 allowance was allocated.

(4) CAIR SO2 allowances shall be held in, deducted from, or transferred into or among CAIR SO2 Allowance Tracking System accounts in accordance with 40 CFR 97, Subpart FFF, GGG, and III.

(5) A CAIR SO2 allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO2 Trading Program. No provision of the CAIR SO2 Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 97.205 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

SECTION D. Source Level Requirements

(6) A CAIR SO₂ allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR 97, Subpart FFF, GGG, or III, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in any CAIR permit of the source.

(c) Excess emissions requirements. If a CAIR SO₂ source emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation, then:

(1) The permittee shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR § 97.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR § 97.206, the Clean Air Act, and applicable State law.

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the permittee shall keep on site each of the following documents for a period of five (5) years from the date the document is created. This period may be extended for cause, at any time before the end of five (5) years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under 40 CFR § 97.213 for the CAIR designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five (5) year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR 97, Subpart HHH, provided that to the extent that 40 CFR 97, Subpart HHH provides for a three (3) year period for recordkeeping, the three (3) year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

(2) The CAIR designated representative shall submit the reports required under the CAIR SO₂ Trading Program, including those under 40 CFR 97, Subpart HHH.

(e) Liability.

(1) Each CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program.

(2) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ source shall also apply to the permittee.

(f) Effect on other authorities. No provision of the CAIR SO₂ Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR § 97.205 shall be construed as exempting or excluding the permittee, and the CAIR designated representative from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 039 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.306]
Subpart AAAA - CAIR NO_x Ozone Season Trading Program General Provisions
Standard requirements.**

[Additional authority is also derived from 25 Pa. Code § 127.441]

SECTION D. Source Level Requirements**(a) Monitoring, reporting, and recordkeeping requirements.**

- (1) The permittee, and the CAIR designated representative, of each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97, Subpart HHHH.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR 97, Subpart HHHH shall be used to determine compliance by each CAIR NOx Ozone Season source with the CAIR NOx Ozone Season emissions limitation under (b), below.

(b) Nitrogen oxides ozone season emission requirements.

- (1) As of the allowance transfer deadline for a control period, the permittee shall hold, in the source's compliance account, CAIR NOx Ozone Season allowances available for compliance deductions for the control period under 40 CFR § 97.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx Ozone Season units at the source, as determined in accordance with 40 CFR 97, Subpart HHHH.
- (2) A CAIR NOx Ozone Season source shall be subject to the requirements under (b)(1), above for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.370(b)(1), (2), (3), or (7) and for each control period thereafter.
- (3) A CAIR NOx Ozone Season allowance shall not be deducted, for compliance with the requirements under (b)(1), above, for a control period in a calendar year before the year for which the CAIR NOx Ozone Season allowance was allocated.
- (4) CAIR NOx Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NOx Ozone Season Allowance Tracking System accounts in accordance with 40 CFR 97, Subpart EEEE, FFFF, GGGG, and IIII.
- (5) A CAIR NOx Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Ozone Season Trading Program. No provision of the CAIR NOx Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 97.305 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (6) A CAIR NOx Ozone Season allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of this part, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

(c) Excess emissions requirements. If a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:

- (1) The owner and operator of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under 40 CFR § 97.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR 97, Subpart AAAA, the Clean Air Act, and applicable State law.

(d) Recordkeeping and reporting requirements.

- (1) Unless otherwise provided, the permittee shall keep on site each of the following documents for a period of five (5) years from the date the document is created. This period may be extended for cause, at any time before the end of five (5) years, in writing by the permitting authority or the Administrator.

SECTION D. Source Level Requirements

- (i) The certificate of representation under 40 CFR § 97.313 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site beyond such five (5) year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.313 changing the CAIR designated representative.
- (ii) All emissions monitoring information, in accordance with 40 CFR 97, Subpart HHHH, provided that to the extent that 40 CFR 97, Subpart HHHH provides for a three (3) year period for recordkeeping, the three (3) year period shall apply.
- (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.
- (iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

(2) The CAIR designated representative of a CAIR NOx Ozone Season source shall submit the reports required under the CAIR NOx Ozone Season Trading Program, including those under 40 CFR 97, Subpart HHHH.

(e) Liability.

(1) Each CAIR NOx Ozone Season source unit shall meet the requirements of the CAIR NOx Ozone Season Trading Program.

(2) Any provision of the CAIR NOx Ozone Season Trading Program that applies to a CAIR NOx Ozone Season source shall also apply to the permittee.

(f) Effect on other authorities. No provision of the CAIR NOx Ozone Season Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR § 97.305 shall be construed as exempting or excluding the permittee, and the CAIR designated representative, of a CAIR NOx Ozone Season source or CAIR NOx Ozone Season unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

040 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.121 NOx Allowance Program Transition]

The emission limitations and monitoring requirements established in 25 Pa. Code §§ 123.101-123.120 (relating to NOx allowance requirements) are replaced by the requirements in 25 Pa. Code, Chapter 145 beginning with the May 1, 2003, control period. If a source has failed to demonstrate compliance with 25 Pa. Code § 123.111 (relating to failure to meet source compliance requirements), the provisions in 25 Pa. Code § 145.54(d) (relating to compliance) shall be used to withhold NOx allowances in calendar year 2003 and beyond. If no NOx allowances are provided to the source under 25 Pa. Code § 145.52 (relating to NOx allowance allocations), the source will be obligated to acquire and retire a number of NOx allowances as specified in 25 Pa. Code § 145.54.

041 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 145.1-145.90 NOx Budget Trading Program Incorporation]

The emission limitations, monitoring and all other requirements of the NOx Budget Trading Program established in 25 Pa. Code §§ 145.1-145.90 are hereby incorporated by reference.

SECTION D. Source Level Requirements

042 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.10 Authorization and responsibilities of the NOx authorized account representative]

Except as provided under 25 Pa. Code § 145.11 (relating to alternate NOx authorized account representative), each NOx budget source, including all NOx budget units at the source, shall have one, and only one, NOx authorized account representative, with regard to all matters under the NOx Budget Trading Program concerning the source or any NOx budget unit at the source.

043 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(a) Standard requirements - Monitoring requirements]

(a) The owner and operator and the NOx authorized account representative of each NOx budget source and each NOx budget unit at the source shall comply with the monitoring requirements of 25 Pa. Code §§ 145.70-145.76 (relating to recordkeeping and recording requirements).

(b) The emissions measurements recorded and reported in accordance with 25 Pa. Code §§ 145.70-145.76 shall be used to determine compliance by the unit with the NOx budget emissions limitation under 25 Pa. Code § 145.6(c).

044 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(b) Standard requirements - NOx Requirements]

(a) The owner and operator of each NOx budget source and each NOx budget unit at the source shall hold NOx allowances available for compliance deductions under 25 Pa. Code § 145.54 (relating to compliance), as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with 25 Pa. Code §§ 145.70-145.76 (relating to recordkeeping and reporting requirements) plus any amount necessary to account for actual heat input under 25 Pa. Code § 145.42(e) (relating to NOx allowance allocation) for the control period or to account for excess emissions for a prior control period under 25 Pa. Code § 145.54(d) or to account for withdrawal from the NOx budget trading program, or a change in regulatory status, of a NOx budget opt-in unit under 25 Pa. Code §§ 145.86 and 145.87 (relating to withdrawal from NOx Budget Trading Program; and opt-in source change in regulatory status).

(b) A NOx budget unit shall be subject to the requirements under paragraph (a), above, starting on May 1, 2003, or the date on which the unit commences operation, whichever is later.

045 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(c) Standard requirements - Excess Emissions]

The owner and operator of a NOx budget unit that has excess emissions in any control period shall surrender the NOx allowances required for deduction under 25 Pa. Code § 145.54(d)(1)(relating to compliance).

046 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(d) Standard requirements - Recordkeeping and reporting requirements]

Unless otherwise provided, the owner and operator of the NOx budget source and each NOx budget unit at the source shall maintain at a central location and provided upon request by the Department or the NOx budget administrator all documents required under 25 Pa. Code § 145.6(d) for a period of 5 years from the date the document is created. This period may be

SECTION D. Source Level Requirements

extended for cause, at any time prior to the end of the 5 years, in writing by the Department or the Administrator.

047 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.74(b) Standard requirements - Monitoring plans]

The owner or operator of a unit subject to an acid rain emissions limitation shall comply with requirements of 40 CFR § 75.62 (relating to monitoring plan), except that the monitoring plan shall also include all of the information required by 40 CFR 75, Subpart H.

048 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.74(c) Certification applications]

The NO_x authorized account representative shall submit an application to the Department within 45 days after completing all initial certification or recertification tests required under 25 Pa. Code § 145.71 (relating to initial certification and recertification procedures) including the information required under 40 CFR 75, Subpart H.

049 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.74 Source emissions reporting requirements]

(a) The authorized account representative shall submit to the Department and to the NO_x Budget Administrator a quarterly emissions report in accordance with the requirements of 25 Pa. Code § 145.74(d).

(b) The NO_x authorized account representative shall submit to the Department and the NO_x Budget Administrator a compliance certification in support of each quarterly report required under 25 Pa. Code § 145.74(d) based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the units emissions are correctly and fully monitored.

050 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.30 Compliance certification report]

For each control period in which one or more NO_x budget units at a source are subject to the NO_x budget emissions limitation, the NO_x authorized account representative of the source shall ensure the facility account contains sufficient allowances to satisfy ozone season emissions by November 30 of that year.

051 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.90 Emission reduction credit provisions]

NO_x budget units may create, transfer and use emission reduction credits ("ERCs") in accordance with Chapter 127 and 25 Pa. Code § 145.90. ERCs may not be used to satisfy NO_x allowance requirements.

052 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.9984]

(a) This source is subject to the requirements of 40 CFR Part 63, Subpart UUUUU.

(b) The permittee shall comply with 40 CFR Part 63, Subpart UUUUU no later than April 16, 2015.

SECTION D. Source Level Requirements**# 053 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The NOx allowance certification information for this source is as follows:

- (a) Owner Mailing Address:
Exelon Generation Company
300 Exelon Way
Kennett Square, PA 19348
- (b) Plant Location: Cromby - Chester County/East Pikeland Township
- (c) Operator Mailing Address:
Exelon Generation Company
300 Exelon Way
Kennett Square, PA 19348
- (d) Authorized Account Representative: William Swahl
- (e) Permit Contact: John Tissue
- (f) Point ID: 031
- (g) Combustion Source Name: Boiler No. 1
- (h) NATS Account Number: 003159000001
- (i) NOx Allowance: 377
- (j) Control Period: 2012-2016

054 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

(a) If any of the following occur, the permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable:

- (1) For properly and accurately collected data, accumulated excursions exceed five percent (5%) of the data for particulates;
- (2) five (5) excursions occur in a six-month reporting period; or
- (3) the Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) The permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(c) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to inspections, repairs and maintenance performed on the monitoring equipment.

(d) In accordance with 40 CFR § 64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- (1) Improved preventive maintenance practices
- (2) Process operation changes

SECTION D. Source Level Requirements

(3) Appropriate improvements to control methods

(4) Other steps appropriate to correct performance.

(e) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

(1) Address the cause of the control device performance problem.

(2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(f) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

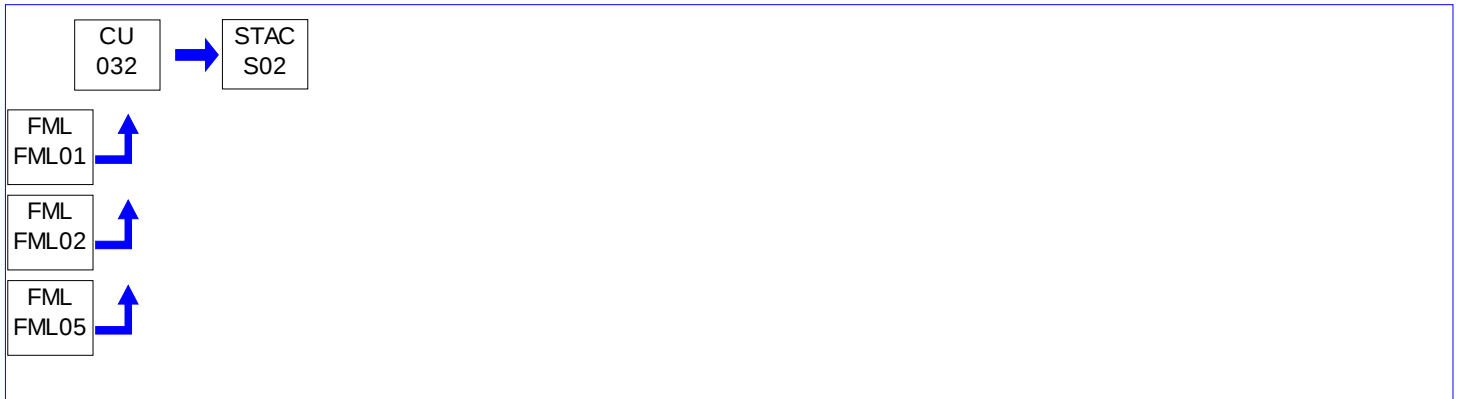
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 032

Source Name: BOILER 2

Source Capacity/Throughput:	2,300.000	MMBTU/HR	
	15,184.000	Gal/HR	#6 OIL
	1,825.000	Gal/HR	#2 OIL
	2,400.000	MCF/HR	NATURAL GAS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.1 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(3).

002 [25 Pa. Code §123.22]

Combustion units

No person shall permit the emissions of sulfur oxides, expressed as SO₂, from this source at any time, in excess to 1.2 lbs/MMBtu.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91 and 40 CFR 76.5]

VOC emissions from this boiler and associated control equipment shall be limited to 0.002 lbs/MMBtu and 6.2 tons in any 12 consecutive month period, whichever is more stringent.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

NO_x emissions for Boiler Unit No. 2 shall be reduced by air biasing which involves air staging to the upper compartments in the windbox to create a function of Close Coupled Overfire Air (COFFA), and shall not exceed any of the following:

- (a) Hourly rate (as a 24-hour average): 0.30 lb/MMBtu when burning fuel oil, or 0.21 lbs/MMBtu when burning natural gas, or 0.28 lbs/MMBtu when co-firing both fuels.
- (b) Thirty (30) day rolling average: 0.30 lbs/MMBtu when burning fuel oil, or 0.21 lbs/MMBtu when burning natural gas, or 0.28 lbs/MMBtu when co-firing both fuels.
- (c) Tons/12-month period: 1287.0 for any of the above fuel combinations.

SECTION D. Source Level Requirements

Fuel Restriction(s).

005 [25 Pa. Code §123.22]

Combustion units

To demonstrate compliance with the sulfur emission limit for this boiler, the following fuel oil sulfur content limits shall be adhered to:

- (a) No. 2 fuel oil - 0.3% or less.
- (b) No. 6 fuel oil - 1.0% or less.

[Compliance with the above streamlined permit condition assures compliance with 25 Pa. Code § 123.22(e)(1)]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The ash content of the residual fuel oil shall not exceed 0.1%, by weight.

007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall restrict the fuel usage for this boiler, to the following types:

- (a) No. 2 Fuel oil.
- (b) No. 6 Fuel oil.
- (c) Natural gas.
- (d) A combination of the above fuels.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Every 5-year term of the Title V Operating Permit, the permittee shall conduct source testing on the exhaust of this source while burning No. 6 fuel oil to determine the postcontrol emissions of VOC, total particulate matter (filterable and condensable) and PM-2.5. Testing shall be performed no later than 6 months prior to the expiration of the Title V Operating Permit.

(b) All testing shall be performed while the source is operating at greater than or equal to 90% of the maximum heat input (MMBTU/hour) that the facility intends to supply to the unit in the future, or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Soot blowing and ash removal must be conducted at normal intervals and testing may not be scheduled to avoid such periods as they are considered to be normal operations.

(c) All testing shall be conducted in accordance with any applicable federal regulations; 25 Pa. Code, Chapter 139 (relating to sampling and testing); and the current revision of the Department's Source Testing Manual. The following federal reference methods, or other test methods approved by the Department prior to testing, shall be used to quantify emissions:

- (1) 40 CFR 60, Appendix A, Methods 1-4 shall be used to determine the volumetric flow rate;
- (2) 40 CFR 60, Appendix A, Method 5 shall be used to determine the filterable particulate matter (FPM) emission concentration (grains/dscf) and emission rate (lbs/hour and lbs/MMBTU);
- (3) 40 CFR 60, Appendix A, Method 19 shall be used to determine the total particulate matter;
- (4) Other Test Method 28 (OTM-28) shall be used to determine the condensable particulate matter (CPM) concentration (grains/dscf) and emission rate (lbs/hour);
- (5) The emission results (grains/dscf, lbs/hour, and lbs/MMBTU) for Methods 5 or other method approved by the Department and OTM-28 shall be summed to calculate the total PM and total PM-10 concentrations and emission rates.
- (6) For VOC testing, if the effluent concentration is below 50 ppm, as carbon, then EPA's Method 25A may be used.

SECTION D. Source Level Requirements

However, if the effluent concentration is above 50 ppm, as carbon, then EPA's Method 25 must be used.

(d) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(e) At least thirty (30) calendar days prior to commencing an emission testing program required by this permit, written notification of the date and time of testing shall be provided to the Department's Southeast Regional Office. Written notification shall also be sent to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring. The notification shall not be made without prior receipt of a protocol acceptance letter from the Department. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing. In addition, the emissions testing shall not commence prior to receipt of a protocol acceptance letter from the Department.

(f) The following process parameters shall be recorded at fifteen (15) minute intervals during each test run (if possible). This data (including the units) and a summary thereof, averaged over each test run, must be included in the test report if applicable.

- (1) heat input rate of oil [MMBTU/hour];
- (2) oil feed rate to the boiler [tons/hour];
- (3) steam flow [lbs/hour];
- (4) steam temperature [°F];
- (5) steam pressure [psig];
- (6) soot blowing and/or ash removal (Yes/No);
- (7) oxygen level [%]; and,
- (8) exhaust fan speed [rpm].

(g) Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring at RA-epstacktesting@state.pa.us and the Southeast Regional Office indicating the completion date of the on-site testing.

(h) A complete test report shall be submitted to the Department no later than sixty (60) calendar days after completion of the on-site testing portion of an emission test program.

(i) A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

- (1) a statement that the permittee has reviewed the report from the emissions testing body and agrees with the findings;
- (2) permit number(s) and condition(s) which are the basis for the evaluation;
- (3) summary of results with respect to each applicable permit condition; and
- (4) statement of compliance or non-compliance with each applicable permit condition.

(j) All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(k) All submittals, besides notifications, shall be accomplished through PSIMS* Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, one copy of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the Southeast Regional Office.

SECTION D. Source Level Requirements

009 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.
- (2) Tests methods and procedures for the determination of sulfur shall be those approved by the Department.
- (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Fuel throughput, and type, for this source shall be monitored on a daily basis.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The CEMS for Boiler No. 2 shall monitor, at a minimum, the following:

- (a) NO_x, to record the hourly emission rate;
- (b) CO₂, to record the hourly emission rate, and
- (c) flow of the flue gas volumetric rate.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Fuel throughput, and type, for this source shall be recorded on a daily basis.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The permittee shall establish a NO_x emission tracking system to document compliance with the NO_x emission limit. This tracking system shall be approved by the Department and shall include, at a minimum, the following information:

- (a) Heat input in MMBtu/hr, on a 24-hour average, and on a 30 day rolling total.
- (b) Hours of operation.
- (c) Flue gas flow and contaminants concentration.
- (d) Fuel usage on a daily basis.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

SECTION D. Source Level Requirements

Sufficient records shall be maintained, and calculations performed, to demonstrate compliance with all of the emission limits for the various averaging periods required for this source.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following residual fuel oil characteristics shall be verified and recorded:

- (a) Sulfur content, in percent by weight,
- (b) Heat content in Btu/gal.

V. REPORTING REQUIREMENTS.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10030]

SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units

What notifications must I submit and when?

- (a) The permittee shall submit all of the notifications in 40 CFR §§ 63.7(b) and (c), 63.8 (e), (f)(4) and (6), and 63.9 (b) through (h) that apply by the dates specified.
- (b) As specified in 40 CFR § 63.9(b)(2), the permittee shall submit an Initial Notification no later than August 14, 2012.

VI. WORK PRACTICE REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

- (a) The CEMS shall be maintained and operated to achieve the following data availability requirements of 25 Pa. Code § 139.101(12) for carbon dioxide, opacity, flue gas volumetric flow, and NO_x:
- (b) At least 95% valid hours/calendar quarter, or at least 90% valid hours/ calendar month, where a valid hour is defined in the applicable revision of the Department's Continuous Source Monitoring Manual.
- (c) The permittee shall use the method provided in 40 CFR Section 75.31-33 for volumetric flow and NO_x emissions to supplement any data not captured by the CEMs required for this boiler. The CEMs along with any missing data determined under this condition will be used to determine compliance with the NO_x emission limits for this source.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall sample fuel in the fuel oil storage tank within two (2) working days after any 24-hour period in which a delivery of fuel oil to the tank occurred.
- (b) The permittee shall test the sampled fuel for percent sulfur content by weight and Btu heating value. The testing for sulfur content shall be conducted in accordance with the testing requirements for this source.
- (c) The permittee shall record the results of the sulfur and Btu content of the fuel.
- (d) The above testing requirements shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

SECTION D. Source Level Requirements

The CEMS shall be operated and maintained in accordance with the Department's most current version of the Continuous Source Monitoring Manual (document number 274-0300-001).

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The NO_x analyzer in the CEM, in conjunction with the Department-approved data acquisition system shall quantify emissions in pounds of NO_x per MMBtu of heat input to demonstrate compliance with the NO_x emission limit for this source.

021 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.2040]

Subpart NN--Pennsylvania

[Reserved]

[Additional authority is also derived from 25 Pa. Code § 127.441 and 40 CFR § 50.2041]

(a) The permittee of each NO_x or SO₂ source located within the State of Pennsylvania and for which requirements are set forth under the Federal CAIR in 40 CFR Part 97 must comply with such applicable requirements. The obligation to comply with these requirements in 40 CFR Part 97 will be eliminated by the promulgation of an approval by the EPA's Administrator of a revision to the Pennsylvania State Implementation Plan (SIP) as meeting the requirements of CAIR, except to the extent the EPA Administrator's approval is partial or conditional or unless such approval is under 40 CFR § 51.123 or under 40 CFR § 51.124. Upon the approval of Pennsylvania's State Implementation Plan, the owner and operator shall comply with 25 Pa. Code Section 145.8 through 145.223.

(b) Notwithstanding any provisions 40 CFR § 52.2040, if, at the time of such approval of the State's SIP, the EPA's Administrator has already allocated CAIR NO_x Ozone Season allowances to sources in the State for any years, the provisions of 40 CFR Part 97 authorizing the Administrator to complete the allocation of CAIR NO_x Ozone Season allowances for those years shall continue to apply, unless the Administrator approves a SIP provision that provides for the allocation of the remaining CAIR NO_x Ozone Season allowances for those years.

022 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.106]

Subpart AA - CAIR NO_x Annual Trading Program General Provisions

Standard requirements.

[Additional authority is also derived from 25 Pa. Code § 127.441]

(a) Monitoring, reporting, and recordkeeping requirements.

(1) The permittee, and the CAIR designated representative shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97, Subpart HH.

(2) The emissions measurements recorded and reported in accordance with 40 CFR 97, Subpart HH shall be used to determine compliance by each CAIR NO_x source with the CAIR NO_x emissions limitation under (b), below.

(b) Nitrogen oxides emission requirements.

(1) As of the allowance transfer deadline for a control period, the permittee shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR § 97.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with 40 CFR 97, Subpart HH.

(2) The permittee shall meet the source's monitor certification requirements under 40 CFR § 97.170(b)(1), (2), or (5) and for each control period.

(3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under (b)(1), above, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.

SECTION D. Source Level Requirements

(4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with 40 CFR 97, Subparts EE, FF, GG, and II.

(5) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 97.105 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NO_x allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR 97, Subparts EE, FF, GG, or II, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x source's compliance account is incorporated automatically in any CAIR permit of the source.

(c) Excess emissions requirements. If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, then:

(1) The permittee shall surrender the CAIR NO_x allowances required for deduction under 40 CFR § 97.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR 97, Subpart AA, the Clean Air Act, and applicable State law.

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the permittee shall keep on site each of the following documents for a period of five (5) years from the date the document is created. This period may be extended for cause, at any time before the end of five (5) years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under 40 CFR § 97.113 for the CAIR designated representative for the source and each CAIR NO_x source at the facility and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the site beyond such five (5) year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.113 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR 97, Subpart HH, provided that to the extent that 40 CFR 97, Subpart HH provides for a three (3) year period for recordkeeping, the three (3) year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program.

(2) The CAIR designated representative shall submit the reports required under the CAIR NO_x Annual Trading Program, including those under 40 CFR 97, Subpart HH.

(e) Liability.

(1) Each CAIR NO_x source shall meet the requirements of the CAIR NO_x Annual Trading Program.

(2) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x source shall also apply to the permittee.

SECTION D. Source Level Requirements

(f) Effect on other authorities. No provision of the CAIR NO_x Annual Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR § 97.105 shall be construed as exempting or excluding the permittee, and the CAIR designated representative from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

023 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.206]
Subpart AAA - CAIR SO₂ Trading Program General Provisions
Standard requirements.

[Additional authority is also derived from 25 Pa. Code § 127.441]

(a) Monitoring, reporting, and recordkeeping requirements.

(1) The permittee shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97, Subpart HHH.

(2) The emissions measurements recorded and reported in accordance with 40 CFR 97, Subpart HHH shall be used to determine compliance by this CAIR SO₂ source with the CAIR SO₂ emissions limitation under (b), below.

(b) Sulfur dioxide emission requirements.

(1) As of the allowance transfer deadline for a control period, the permittee shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO₂ allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR §. 97.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with 40 CFR 97, Subpart HHH.

(2) A CAIR SO₂ source shall be subject to the requirements under (b)(1), above, for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit(s) monitor certification requirements under 40 CFR § 97.270(b)(1),(2), or (5) and for each control period thereafter.

(3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under (c)(1), above, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.

(4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with 40 CFR 97, Subpart FFF, GGG, and III.

(5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 97.205 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR SO₂ allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR 97, Subpart FFF, GGG, or III, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in any CAIR permit of the source.

(c) Excess emissions requirements. If a CAIR SO₂ source emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation, then:

(1) The permittee shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR § 97.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR § 97.206, the Clean Air Act, and applicable State law.

SECTION D. Source Level Requirements

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the permittee shall keep on site each of the following documents for a period of five (5) years from the date the document is created. This period may be extended for cause, at any time before the end of five (5) years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under 40 CFR § 97.213 for the CAIR designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five (5) year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR 97, Subpart HHH, provided that to the extent that 40 CFR 97, Subpart HHH provides for a three (3) year period for recordkeeping, the three (3) year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

(2) The CAIR designated representative shall submit the reports required under the CAIR SO₂ Trading Program, including those under 40 CFR 97, Subpart HHH.

(e) Liability.

(1) Each CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program.

(2) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ source shall also apply to the permittee.

(f) Effect on other authorities. No provision of the CAIR SO₂ Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR § 97.205 shall be construed as exempting or excluding the permittee, and the CAIR designated representative from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

024 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.306] Subpart AAAA - CAIR NO_x Ozone Season Trading Program General Provisions Standard requirements.

[Additional authority is also derived from 25 Pa. Code § 127.441]

(a) Monitoring, reporting, and recordkeeping requirements.

(1) The permittee, and the CAIR designated representative, of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97, Subpart HHHH.

(2) The emissions measurements recorded and reported in accordance with 40 CFR 97, Subpart HHHH shall be used to determine compliance by each CAIR NO_x Ozone Season source with the CAIR NO_x Ozone Season emissions limitation under (b), below.

(b) Nitrogen oxides ozone season emission requirements.

(1) As of the allowance transfer deadline for a control period, the permittee shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under 40 CFR § 97.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with 40 CFR 97, Subpart HHHH.

SECTION D. Source Level Requirements

(2) A CAIR NOx Ozone Season source shall be subject to the requirements under (b)(1), above for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.370(b)(1), (2), (3), or (7) and for each control period thereafter.

(3) A CAIR NOx Ozone Season allowance shall not be deducted, for compliance with the requirements under (b)(1), above, for a control period in a calendar year before the year for which the CAIR NOx Ozone Season allowance was allocated.

(4) CAIR NOx Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NOx Ozone Season Allowance Tracking System accounts in accordance with 40 CFR 97, Subpart EEEE, FFFF, GGGG, and IIII.

(5) A CAIR NOx Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Ozone Season Trading Program. No provision of the CAIR NOx Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 97.305 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NOx Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of this part, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

(c) Excess emissions requirements. If a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:

(1) The owner and operator of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under 40 CFR § 97.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR 97, Subpart AAAA, the Clean Air Act, and applicable State law.

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the permittee shall keep on site each of the following documents for a period of five (5) years from the date the document is created. This period may be extended for cause, at any time before the end of five (5) years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under 40 CFR § 97.313 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site beyond such five (5) year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.313 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR 97, Subpart HHHH, provided that to the extent that 40 CFR 97, Subpart HHHH provides for a three (3) year period for recordkeeping, the three (3) year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

(2) The CAIR designated representative of a CAIR NOx Ozone Season source shall submit the reports required under the

SECTION D. Source Level Requirements

CAIR NOx Ozone Season Trading Program, including those under 40 CFR 97, Subpart HHHH.

(e) Liability.

(1) Each CAIR NOx Ozone Season source unit shall meet the requirements of the CAIR NOx Ozone Season Trading Program.

(2) Any provision of the CAIR NOx Ozone Season Trading Program that applies to a CAIR NOx Ozone Season source shall also apply to the permittee.

(f) Effect on other authorities. No provision of the CAIR NOx Ozone Season Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR § 97.305 shall be construed as exempting or excluding the permittee, and the CAIR designated representative, of a CAIR NOx Ozone Season source or CAIR NOx Ozone Season unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.121 NOx Allowance Program Transition]

The emission limitations and monitoring requirements established in 25 Pa. Code §§ 123.101-123.120 (relating to NOx allowance requirements) are replaced by the requirements in 25 Pa. Code, Chapter 145 beginning with the May 1, 2003, control period. If a source has failed to demonstrate compliance with 25 Pa. Code § 123.111 (relating to failure to meet source compliance requirements), the provisions in 25 Pa. Code § 145.54(d) (relating to compliance) shall be used to withhold NOx allowances in calendar year 2003 and beyond. If no NOx allowances are provided to the source under 25 Pa. Code § 145.52 (relating to NOx allowance allocations), the source will be obligated to acquire and retire a number of NOx allowances as specified in 25 Pa. Code § 145.54.

026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 145.1-145.90 NOx Budget Trading Program Incorporation]

The emission limitations, monitoring and all other requirements of the NOx Budget Trading Program established in 25 Pa. Code §§ 145.1-145.90 are hereby incorporated by reference.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.10 Authorization and responsibilities of the NOx authorized account representative]

Except as provided under 25 Pa. Code § 145.11 (relating to alternate NOx authorized account representative), each NOx budget source, including all NOx budget units at the source, shall have one, and only one, NOx authorized account representative, with regard to all matters under the NOx Budget Trading Program concerning the source or any NOx budget unit at the source.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(a) Standard requirements - Monitoring requirements]

(a) The owner and operator and the NOx authorized account representative of each NOx budget source and each NOx budget unit at the source shall comply with the monitoring requirements of 25 Pa. Code §§ 145.70-145.76 (relating to recordkeeping and recording requirements).

SECTION D. Source Level Requirements

(b) The emissions measurements recorded and reported in accordance with 25 Pa. Code §§ 145.70-145.76 shall be used to determine compliance by the unit with the NOx budget emissions limitation under 25 Pa. Code § 145.6(c).

029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(b) Standard requirements - NOx Requirements]

(a) The owner and operator of each NOx budget source and each NOx budget unit at the source shall hold NOx allowances available for compliance deductions under 25 Pa. Code § 145.54 (relating to compliance), as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with 25 Pa. Code §§ 145.70-145.76 (relating to recordkeeping and reporting requirements) plus any amount necessary to account for actual heat input under 25 Pa. Code § 145.42(e) (relating to NOx allowance allocation) for the control period or to account for excess emissions for a prior control period under 25 Pa. Code § 145.54(d) or to account for withdrawal from the NOx budget trading program, or a change in regulatory status, of a NOx budget opt-in unit under 25 Pa. Code §§ 145.86 and 145.87 (relating to withdrawal from NOx Budget Trading Program; and opt-in source change in regulatory status).

(b) A NOx budget unit shall be subject to the requirements under paragraph (a), above, starting on May 1, 2003, or the date on which the unit commences operation, whichever is later.

030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(c) Standard requirements - Excess Emissions]

The owner and operator of a NOx budget unit that has excess emissions in any control period shall surrender the NOx allowances required for deduction under 25 Pa. Code § 145.54(d)(1)(relating to compliance).

031 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.6(d) Standard requirements - Recordkeeping and reporting requirements]

Unless otherwise provided, the owner and operator of the NOx budget source and each NOx budget unit at the source shall maintain at a central location and provided upon request by the Department or the NOx budget administrator all documents required under 25 Pa. Code § 145.6(d) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of the 5 years, in writing by the Department or the Administrator.

032 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.74(b) Standard requirements - Monitoring plans]

The owner or operator of a unit subject to an acid rain emissions limitation shall comply with requirements of 40 CFR § 75.62 (relating to monitoring plan), except that the monitoring plan shall also include all of the information required by 40 CFR 75, Subpart H.

033 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.74(c) Certification applications]

The NOx authorized account representative shall submit an application to the Department within 45 days after completing all initial certification or recertification tests required under 25 Pa. Code § 145.71 (relating to initial certification and recertification procedures) including the information required under 40 CFR 75, Subpart H.

SECTION D. Source Level Requirements

034 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.74 Source emissions reporting requirements]

(a) The authorized account representative shall submit to the Department and to the NOx Budget Administrator a quarterly emissions report in accordance with the requirements of 25 Pa. Code § 145.74(d).

(b) The NOx authorized account representative shall submit to the Department and the NOx Budget Administrator a compliance certification in support of each quarterly report required under 25 Pa. Code § 145.74(d) based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the units emissions are correctly and fully monitored.

035 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.30 Compliance certification report]

For each control period in which one or more NOx budget units at a source are subject to the NOx budget emissions limitation, the NOx authorized account representative of the source shall ensure the facility account contains sufficient allowances to satisfy ozone season emissions by November 30 of that year.

036 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 145.90 Emission reduction credit provisions]

NOx budget units may create, transfer and use emission reduction credits ("ERCs") in accordance with Chapter 127 and 25 Pa. Code § 145.90. ERCs may not be used to satisfy NOx allowance requirements.

037 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.9984]

(a) This source is subject to the requirements of 40 CFR Part 63, Subpart UUUUU.

(b) The permittee shall comply with 40 CFR Part 63, Subpart UUUUU no later than April 16, 2015.

038 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The NOx allowance certification information for this source is as follows:

(a) Owner Mailing Address:
Exelon Generation Company
300 Exelon Way
Kennett Square, PA 19348

(b) Plant Location: Cromby - Chester County/East Pikeland Township

(c) Operator Mailing Address:
Exelon Generation Company
300 Exelon Way
Kennett Square, PA 19348

(d) Authorized Account Representative: William Swahl

(e) Permit Contact: John Tissue

(f) Point ID: 032

**SECTION D. Source Level Requirements**

- (g) Combustion Source Name: Boiler No. 2
- (h) NATS Account Number: 003159000002
- (i) NOx Allowance: 201
- (j) Control Period: 2012-2016

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 033

Source Name: CROMBY AUXILIARY BOILER

Source Capacity/Throughput: 42.000 MMBTU/HR
311.000 Gal/HR #2 OIL

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

Fuel Restriction(s).**# 002 [25 Pa. Code §123.22]****Combustion units**

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.3% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.22(e)(1)]

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

Only No. 2 fuel oil shall be burned in this Auxiliary Boiler.

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.
- (2) Tests methods and procedures for the determination of sulfur shall be those approved by the Department.
- (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.**# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the amount of fuel consumed each day for this boiler, when operating.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512(h) and 129.91]

Each adjustment conducted under the procedures in Condition #008(a), below, shall be recorded in a permanently bound log book, and contain, at a minimum, the following information:

- (a) The date of the tuning procedure.
- (b) The name of the service company and technician.
- (c) The final operating rate or load.
- (d) The final CO and NOx emission rates.
- (e) The final excess oxygen rate.

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the amount of fuel consumed each day for this boiler, when operating.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall sample fuel in the fuel oil storage tank within two (2) working days after any 24-hour period in which a delivery of fuel oil to the tank occurred.
- (b) The permittee shall test the sampled fuel for percent sulfur content by weight and Btu heating value. The testing for sulfur content shall be conducted in accordance with the testing requirements for this source.
- (c) The permittee shall record the results of the sulfur and Btu content of the fuel.
- (d) The above requirements shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.512(h) and 129.91]

- (a) The permittee shall perform an annual tune-up on the combustion process for this Auxiliary Boiler. The annual tune-up shall consist of, at a minimum, the following:
 - (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.
 - (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO.
 - (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.
- (b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization

SECTION D. Source Level Requirements

Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-3401/1-83-023) or equivalent procedures approved by the Department in writing.

VII. ADDITIONAL REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is subject to the requirements of 40 CFR Part 63, Subpart DDDDD. The permittee shall demonstrate compliance with this regulation by March 21, 2014.

011 [25 Pa. Code §127.503]**Application information.**

Propane is used as a light-off fuel only, for this source, and shall not be used at any other time.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 035

Source Name: NATURAL GAS PREHEATER

Source Capacity/Throughput: 5.800 MMBTU/HR
6.000 MCF/HR NATURAL GAS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from this preheater, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

Fuel Restriction(s).**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall use only natural gas as fuel for this preheater.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the amount of natural gas consumed by this preheater monthly.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the amount of natural gas consumed by this preheater monthly.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is subject to the requirements of 40 CFR Part 63, Subpart DDDDD. The permittee shall demonstrate compliance with this regulation by March 21, 2014.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 113

Source Name: CENTRIFUGE DRYER A

Source Capacity/Throughput: 224.500 Gal/HR #6 OIL
N/A MGS03

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this centrifuge dryer at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall use only No. 6 fuel oil for the operation of this centrifuge dryer.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.
- (2) Tests methods and procedures for the determination of sulfur shall be those approved by the Department.
- (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Fuel throughput, and type, for this source shall be monitored on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

SECTION D. Source Level Requirements**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Fuel throughput, and type, for this source shall be recorded on a daily basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall sample fuel in the fuel oil storage tank within two (2) working days after any 24-hour period in which a delivery of fuel oil to the tank occurred.
- (b) The permittee shall test the sampled fuel for percent sulfur content by weight and Btu heating value. The testing for sulfur content shall be conducted in accordance with the testing requirements for this source.
- (c) The permittee shall record the results of the sulfur and Btu content of the fuel.
- (d) The above requirements shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.503]

Application information.

Propane is used as a light-off fuel only, for this source, and shall not be used at any other time.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 114

Source Name: CENTRIFUGE DRYER B

Source Capacity/Throughput: 299.300 Gal/HR #6 OIL
N/A MGSO3

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this centrifuge dryer at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall use only No. 6 fuel oil for the operation of this centrifuge dryer.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.
- (2) Tests methods and procedures for the determination of sulfur shall be those approved by the Department.
- (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Fuel throughput, and type, for this source shall be monitored on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

SECTION D. Source Level Requirements

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Fuel throughput, and type, for this source shall be recorded on a daily basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall sample fuel in the fuel oil storage tank within two (2) working days after any 24-hour period in which a delivery of fuel oil to the tank occurred.
- (b) The permittee shall test the sampled fuel for percent sulfur content by weight and Btu heating value. The testing for sulfur content shall be conducted in accordance with the testing requirements for this source.
- (c) The permittee shall record the results of the sulfur and Btu content of the fuel.
- (d) The above requirements shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.503]

Application information.

Propane is used as a light-off fuel only, for this source, and shall not be used at any other time.

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 119

Source Name: REHEAT BURNERS (A, B, C)

Source Capacity/Throughput: 444.000 Gal/HR #6 OIL

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from any of these scrubber reheat burners at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall only use No. 6 fuel oil in the operation of any of these scrubber reheat burners.

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.
- (2) Tests methods and procedures for the determination of sulfur shall be those approved by the Department.
- (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

Fuel throughput, and type, for this source shall be monitored on a daily basis.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

SECTION D. Source Level Requirements

Fuel throughput, and type, for this source shall be recorded on a daily basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall sample fuel in the fuel oil storage tank within two (2) working days after any 24-hour period in which a delivery of fuel oil to the tank occurred.
- (b) The permittee shall test the sampled fuel for percent sulfur content by weight and Btu heating value. The testing for sulfur content shall be conducted in accordance with the testing requirements for this source.
- (c) The permittee shall record the results of the sulfur and Btu content of the fuel.
- (d) The above requirements shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.503]

Application information.

Propane is used as a light-off fuel only, for this source, and shall not be used at any other time.

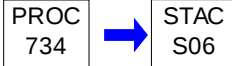
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 734

Source Name: DIESEL GENERATOR

Source Capacity/Throughput: 213.000 Gal/HR #2 Oil



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this emergency generator at any time, in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

Fuel Restriction(s).

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall use only No. 2 fuel oil for the operation of this emergency generator.

003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall not use No. 2 fuel oil with a higher sulfur content than 1.92% when operating this source.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21]

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

(a) The capacity factor for this diesel generator may not exceed 5% in any 12 consecutive month period.

(b) The permittee shall operate this diesel generator under the following conditions:

(1) The capacity factor is the ratio of net electrical power generated [Megawatt-hours (MWH)] for the last twelve (12) months to the Maximum capacity of the unit [Megawatts (MW)] times the number of hours for the same last twelve (12) months, expressed as a percentage.

(2) A rolling 12-month capacity factor is expressed as:

[Last 12-months net electric power generation (MWH)] X [100]

DIVIDED BY:

[Max. capacity of the unit (MW)] X [No. of hrs. in the last 12 months]

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample.

SECTION D. Source Level Requirements

(2) Tests methods and procedures for the determination of sulfur shall be those approved by the Department.

(3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The permittee shall monitor the following:

- (a) Monthly electric power (MWH) generated.
- (b) Fuel consumption and operating hours daily, when operating.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

The permittee shall record the following information for this emergency generator:

- (a) Monthly electrical power (MWH) generated to demonstrate compliance with the capacity factor limitation.
- (b) Daily fuel consumption and operating hours, when operating.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

- (a) The permittee shall sample fuel in the fuel oil storage tank within two (2) working days after any 24-hour period in which a delivery of fuel oil to the tank occurred.
- (b) The permittee shall test the sampled fuel for percent sulfur content by weight and Btu heating value. The testing for sulfur content shall be conducted in accordance with the testing requirements for this source.
- (c) The permittee shall record the results of the sulfur and Btu content of the fuel.
- (d) The above requirements shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91]

SECTION D. Source Level Requirements

The emergency generator shall be operated and maintained in accordance with manufacturer's specifications, and good air pollution control practices.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations and operating limitations?

This Diesel Generator shall only be used for emergency purposes, as allowed under 40 CFR § 63.6640(f)(2):

- (a) There is no time limit on the use of this diesel generator in emergency situations.
- (b) This diesel generator may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by the manufacturer, the vendor, or the insurance company associated with the engine. Required testing should be minimized, but there is no time limit on the use of the diesel generator in emergency situations and for routine testing and maintenance.
- (c) This diesel generator may be operated for an additional 50 hours per year in non-emergency situations. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.203, 204, and 145.113]

By October 31, 2005, and each year thereafter, the permittee shall calculate the difference between the actual emissions from this internal combustion engine during the period from May 1 through September 30 and the allowable emissions for that same period.

- (a) The allowable emissions shall be calculated by multiplying the cumulative hours or operations for this source for the period by the horsepower rating of the unit and by 2.3 gr of NO_x per hp-hr.
- (b) Actual emissions shall be determined using one of the following:
 - (1) The one-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NO_x, or
 - (2) The maximum hourly allowable NO_x emission rate contained in the permit or the higher of the following:
 - (i) The highest rate determined by use of the emission factor for the source class contained in the most up-to-date version of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors, or
 - (ii) The highest rate determined by use of the emission factor for the source class contained in the most up-to-date version of EPA's "Factor Information Retrieval (FIRE) data system.
 - (3) An alternative calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The permittee shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation, or
 - (4) The average emission rate calculated from test data from NO_x emission tests conducted from May 1 through September 30 of that year. The emission tests must be conducted in accordance with the permit emission limit compliance monitoring procedures. Tests must be conducted at least once every 735 hours of operation. The Department may reduce the frequency of the emission testing for the source based on the consistency of the

SECTION D. Source Level Requirements

data gathered from the testing. At least one test is required during the period of May 1 through September 30.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.203 and 204]

(a) The permittee shall surrender to the Department one NO_x allowance, as defined in 25 Pa. Code § 145.2 (relating to definitions), for each ton of NO_x by which the combined actual emissions exceed the allowable emissions for this generator from May 1 through September 30. The surrendered NO_x allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

(b) If the combined allowable emissions from sources subject to this section at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this section at the facility during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual emissions from sources subject to this section at the permittee's other facilities.

(c) By November 1, 2005, and by November 1 of each year thereafter, the permittee shall surrender the required NO_x allowances to the Department's designated NO_x allowance tracking system account and provide to the Department, in writing, the following:

- (1) The serial number of each NO_x allowance surrendered.
- (2) The calculations used to determine the quantity of NO_x allowances required to be surrendered.

(d) If a permittee fails to comply with subcondition (c), the permittee shall by December 31, surrender three (3) NO_x allowances of the current or later year vintage for each NO_x allowance that was required to be surrendered by November 1 of that year.

(e) The surrender of NO_x allowances under subcondition (d) does not affect the liability of the permittee of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

- (1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.

- (2) Each ton of excess emissions is a separate violation.

***** Permit Shield in Effect. *****



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
031	BOILER 1		
Emission Limit			Pollutant
10.000	PPMV	when using SNCR	Ammonia (Anhydrous)
0.500	Lbs/MMBTU	30-day rolling avg.	NOX
0.900	Lbs/MMBTU	30 day avg, coal	SO2
1.200	Lbs/MMBTU	Fuel oil	SO2
1.200	Lbs/MMBTU	daily avg, coal	SO2
1.440	Lbs/MMBTU	daily avg max, coal	SO2
0.100	Lbs/MMBTU	Particulate matter	TSP
0.003	Lbs/MMBTU		VOC
25.000	Tons/Yr	Determined on a 12-month rolling period	VOC
032	BOILER 2		
Emission Limit			Pollutant
0.210	Lbs/MMBTU	Natural gas	NOX
0.280	Lbs/MMBTU	Natural gas and fuel oil combined	NOX
0.300	Lbs/MMBTU	Fuel oil	NOX
1,287.000	Tons/Yr	Determined on a 12-month rolling period	NOX
1.200	Lbs/MMBTU		SO2
0.100	Lbs/MMBTU	Particulate matter	TSP
0.002	Lbs/MMBTU		VOC
6.200	Tons/Yr	Determined on a 12-month rolling period	VOC
033	CROMBY AUXILIARY BOILER		
Emission Limit			Pollutant
0.400	Lbs/MMBTU	Particulate matter	TSP
035	NATURAL GAS PREHEATER		
Emission Limit			Pollutant
1.200	Lbs/MMBTU		SO2
0.400	Lbs/MMBTU	Particulate matter	TSP
113	CENTRIFUGE DRYER A		
Emission Limit			Pollutant
500.000	PPMV		SO2
0.040	gr/DRY FT3	Particulate matter	TSP
114	CENTRIFUGE DRYER B		
Emission Limit			Pollutant
500.000	PPMV		SO2
0.040	gr/DRY FT3	Particulate matter	TSP
119	REHEAT BURNERS (A, B, C)		
Emission Limit			Pollutant
500.000	PPMV		SO2
0.040	gr/DRY FT3	Particulate matter	TSP

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
734	DIESEL GENERATOR		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	Particulate matter	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
----------------	-----------

SECTION G. Miscellaneous.

(a) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- (1) Fuel oil storage.
- (2) Lube oil reservoirs and vents.
- (3) Chemical storage tanks.
- (4) Handling of wet solids.
- (5) Oil-water separator.
- (6) Chemistry lab vents.
- (7) Miscellaneous delivery truck traffic.
- (8) MgO silo.
- (9) MgSO₃ silo.
- (10) Dyna-100 FB cold cleaning degreaser

(b) The following previously issued Operating Permits serve as the basis for certain terms and conditions set forth in this Title V Permit:

- (1) OP-15-0019.
- (2) Acid Rain Permit, ORIS number 3159.

(c) This permit has been amended for the permit dated 6/28/00. The following changes correspond with the Title V permit from that date.

- (1) Condition #014 and the compliance schedule were removed from Section C.
- (2) Changes were made to Conditions #017, #025, #026, and #036 of Section C.
- (3) The following items were changed for the sources listed in Section D.
 - (i) Source 031 - Condition #002, #003, #009, #012(b), #017, and #032.
 - (ii) Source 032 - Condition #002, #006(b), and #018.
 - (iii) Source 035 - Condition #002.
 - (iv) Source 734 - Condition #003.

- (4) Condition #004 for Source 734 was removed.
- (5) Changes were made to Section E.

(d) This permit incorporates the requirements of the NO_x Trading Program in 25 Pa. Code Chapter 145 and the transition from the NO_x Allowance Requirements in 25 Pa. Code § 123.121 from permit number 15-00019 issued February 9, 2001.

(e) On October 31, 2000, PECO Energy Co. requested that the Department change their name to Exelon Generation Company, LLC. On March 6, 2001, the Department accepted the name and address change, and the Title V Permit has been revised to reflect these changes.

(f) December, 2004, APS No: 346078, AUTH ID: 5704161. The Department amended this permit for cause to incorporate the Acid Rain (Title IV) renewal permit into the Title V permit.

(g) July 2007. APS: 346078, Auth ID: 580587. The Department renewed this permit. Source 031 is subject to CAM for particulate matter. The facility is subject to the new Small NO_x regulations for source 734. New federal regulations that apply to this facility include 40 CFR 60, Subpart HHHH, and 40 CFR 63, Subpart ZZZZ. The Department has changed the compliance certification and deviation reporting periods and submittal dates in this permit renewal. No other changes have taken place at this facility.

(h) March 2008. APS: 346078, AUTH: 716549. Permit modification for cause to separate the Title IV (Acid Rain) permit from the Title V permit. Additionally, the Department clarified one CAM condition and removed one source - Source 736 (Coal Car Thaw Pit).

(i) September 2008. APS: 346078, AUTH: 741611. The Department modified this permit for cause to address a typographical error in the NO_x emission limit for Source 031.

(j) May 2009. APS: 346039, AUTH: 711618. Major modification to incorporate the federal CAIR rule for Sources 031 and 032.

(k) July 2012. APS: 346078, AUTH: 911713. This Title V Operating Permit has been renewed for another 5-year term. This permit

SECTION G. Miscellaneous.

renewal reflects the following:

- (1) Removal of 40 CFR Part 60, Subpart HHHH requirements, under Source ID 031.
- (2) Inclusion of 40 CFR Part 63, Subpart UUUUU, under Source IDs 031 and 032.
- (3) Inclusion of 40 CFR Part 63, Subpart DDDDD, under Source IDs 033 and 035.
- (4) Clarification on the applicability of 40 CFR Part 63, Subpart ZZZZ, as it applies to Source ID 734.
- (5) Clarification on fuel oil sample testing.

(l) Decembr 2013. APS: 346078, AUTH: 1004131. This Title V Operating Permit has been amended to reflect a change in the Responsible Official from Mr. William Swahl to Mr. David Lillefloren and to correct a typographical error under Source IDs 031 and 032, where the requirements from 40 CFR § 97.306(d) have been incorporated.



***** End of Report *****