COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	November 30, 2012	Effective Date:	July 25, 2013
Revision Date:	July 25, 2013	Expiration Date:	November 30, 2017
Revision Type:	Modification, Significant		

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: 30-00099

Federal Tax Id - Plant Code: 23-3020481-1

Owner Information

Name: ALLEGHENY ENERGY SUPPLY CO LLC
Mailing Address: 800 CABIN HILL DR
GREENSBURG, PA 15601

Plant Information

Plant: ALLEGHENY ENERGY SUPPLY CO/HATFIELDS FERRY POWER STA
Location: 30 Greene County 30917 Monongahela Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: DONALD H. ULLOM
Title: DIRECTOR,HATFIELD'S FERRY
Phone (724) 966 - 3077

Permit Contact Person

Name: MARK SOWA
Title: CONSULTING ENGINEER
Phone: (724) 838 - 6133

[Signature] ____
MARK A. WAYNER, SOUTHWEST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

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

SECTION A. Table of Contents

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	BABCOCK & WILCOX BOILER 1	5,766.000	MMBTU/HR	
		227.000	Tons/HR	Bituminous
		1,384.000	Gal/HR	#2 Oil
		113.500	Tons/HR	Sub_Bituminous
		1.386	MMCF/HR	Natural Gas
032	BABCOCK & WILCOX BOILER 2	5,766.000	MMBTU/HR	
		227.000	Tons/HR	Bituminous
		1,384.000	Gal/HR	#2 Oil
		113.500	Tons/HR	Sub_Bituminous
		1.386	MMCF/HR	Natural Gas
033	BABCOCK & WILCOX BOILER 3	5,766.000	MMBTU/HR	
		227.000	Tons/HR	Bituminous
		1,384.000	Gal/HR	#2 Oil
		113.500	Tons/HR	Sub_Bituminous
		1.386	MMCF/HR	Natural Gas
034	BABCOCK & WILCOX (AUXILIARY BOILER 1)	188.200	MMBTU/HR	
		1,384.000	Gal/HR	#2 Oil
035	BABCOCK & WILCOX (AUXILIARY BOILER 2)	188.200	MMBTU/HR	
		1,384.000	Gal/HR	#2 Oil
101	NO. 2 FUEL OIL STORAGE TANKS	287.200	Gal/HR	#2 FUEL OIL
102	WASTE WATER TREATMENT SYSTEM	270.000	Th Gal/HR	
103	TWO COOLING TOWERS			
104	3 EMERGENCY GENERATORS	954.700	Gal/HR	#2 FUEL OIL
105	19 PORTABLE SPACE HEATERS (KEROSENE)	57.400	Gal/HR	KEROSENE
107	ALL FUGITIVE DUST EMISSION SOURCES	681.000	Tons/HR	COAL
109	FGD - MATERIALS HANDLING EQUIPMENT			
110	FGD NO. 2 DIESEL FIRED EMERGENCY QUENCH PUMPS (3)			
111	EMERGENCY FIRE PUMP ENGINE			
C01	RESEARCH COTRELL ESP			
C02	RESEARCH COTRELL ESP			
C03	RESEARCH COTRELL ESP			
C031	FLUE GAS DESULFURIZATION			
C032	FLUE GAS DESULFURIZATION			
C033	FLUE GAS DESULFURIZATION			
S01	BOILER 1 STACK			
S02	BOILER 2 STACK			
S03	BOILER 3 STACK			
S04	AUX BOILER 1 STACK			
Z101	#2 FUEL OIL TANK FUG.			
Z102	WASTEWATER TREATMENT FUG.			

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z103	COOLING TOWERS FUGITIVES		
Z104	EMER. GENERATOR FUGITIVES		
Z105	SPACE HEATER FUGITIVES		
Z107	COAL HANDLING FUGITIVES		
Z109	FGD - MATERIALS HANDLING EQUIPMENT FUGITIVE EMISSIONS		

PERMIT MAPS

CU 031 → CNTL C01 → CNTL C031 → STAC S01

CU 032 → CNTL C02 → CNTL C032 → STAC S02

CU 033 → CNTL C03 → CNTL C033 → STAC S03

CU 034 → STAC S04

CU 035 → STAC S04

PROC 101 → STAC Z101

PROC 102 → STAC Z102

PROC 103 → STAC Z103

PROC 104 → STAC Z104

PROC 105 → STAC Z105

PROC 107 → STAC Z107

PROC 109 → STAC Z109

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

(a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(b) 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 an operational flexibility change authorized by 25 Pa. Code § 127.462.

#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), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.

(b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, 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).

SECTION B. General Title V Requirements

#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 (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 NOx from a single source during the term of the permit and 5 tons of NOx 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

SECTION B. General Title V Requirements

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.

(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) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

(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.

SECTION B. General Title V Requirements

#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)

(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.

SECTION B. General Title V Requirements

(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.

#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

(a) 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:

SECTION B. General Title V Requirements

(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)

(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)

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#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

SECTION B. General Title V Requirements

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).

#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 on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.

(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.

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 act.

 # 002 [25 Pa. Code §123.1]
Prohibition of certain fugitive emissions
(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) 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.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under subsection (a)(7), above is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant is required to demonstrate that the requirements of subsections (a)(7), above and 123.1(c) and 123.2 (relating to fugitive particulate matter) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

 # 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 Section C, Condition #001, above, (relating to prohibition of certain fugitive emissions) 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:

SECTION C. Site Level Requirements

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

(2) Equal to or greater than 60% at any time.

 # 006 [25 Pa. Code §123.42]

Exceptions

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

(1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

 # 007 [25 Pa. Code §129.14]

Open burning operations

(a) No person may permit the open burning of material in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the owner/operator.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the owner/operator.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

(b) EXCEPTIONS: The requirements stated in (a), above do not apply where the open burning operations result from:

(1) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(2) A fire set for the prevention and control of disease or pests, when approved by the Department.

(3) A fire set solely for recreational or ceremonial purposes.

(4) A fire set solely for cooking food.

(5) A fire set to prevent or abate a fire hazzard, when approved by the Department and set by or under the supervision of a public officer.

(c) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this applicable requirement the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

SECTION C. Site Level Requirements

(2) clearing and grubbing wastes may be burned subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes that have been transported.

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-000-099, Condition #11, at least sixty (60) calendar days prior to commencing an emission testing program required by this permit, a test protocol shall be submitted to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-000-099, Condition #12, at least fifteen (15) 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 appropriate 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.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-000-099, Condition #13, pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 25 Pa. Code Section 139.53(a)(3) 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 appropriate Regional Office indicating the completion date of the on-site testing.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 25 Pa. Code Section 139.53(b) 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 owner or operator 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.

SECTION C. Site Level Requirements

4. Statement of compliance or non-compliance with each applicable permit condition.

 # 013 [25 Pa. Code §127.441]
Operating permit terms and conditions.
Pursuant to 25 Pa. Code § 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

 # 014 [25 Pa. Code §127.441]
Operating permit terms and conditions.
All submittals, besides notifications, shall be accomplished through PSIMS*Online available through https://www.depgreenport.state.pa.us/ecomm/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 appropriate Regional Office.

 # 015 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The owner or operator 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.

III. MONITORING REQUIREMENTS.

 # 016 [25 Pa. Code §123.43]
Measuring techniques
Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

 # 017 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.
The Owner/Operator shall conduct a daily inspection of the facility during daylight hours while the facility is operating. The purpose of the inspection is to detect one of the following:

a) The presence of visible emissions (except for Source #031, #032 and #033) which may be in excess of the limits stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #010. As an alternative, plant personnel who observe such visible emissions may report each incident to the Department within one hour of the occurrence to make arrangements for a certified observer to take readings of the visible emissions.

b) The presence of fugitive visible emissions beyond the plant property boundaries, as stated in Section C, Condition #002.

c) The presence of malodorous air contaminants beyond the plant property boundaries as stated in Section C, Condition #003.

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IV. RECORDKEEPING REQUIREMENTS.

 # 018 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.
The presence of visible emissions, fugitive emissions or malodorous emissions as defined in (a), (b) and (c) of Section C, Condition #011, above, shall be maintained in a logbook. The Owner/Operator shall record the following information:

1. Name of company representative detecting the incident.
2. Date and time of occurrence.
3. Any corrective action(s) taken to abate each recorded deviation and to prevent future occurrences.

These records shall be maintained on site for two (2) years, retained for at least five (5) years and shall be made available to the Department upon request.

 # 019 [25 Pa. Code §129.95]
Recordkeeping
In accordance with RACT Operating Permit #30-000-099, Condition #6, the Owner/Operator shall keep sufficient records to clearly demonstrate compliance with RACT limitations, restrictions and requirements. The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 129.91 -- 129.94 are met. Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the RACT requirement. The records shall be retained for at least 5 years and shall be made available to the Department on request.

 # 020 [25 Pa. Code §135.5]
Recordkeeping
Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). These 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.

V. REPORTING REQUIREMENTS.

 # 021 [25 Pa. Code §127.442]
Reporting requirements.
(a) The owner or operator shall report each malfunction that poses an imminent and substantial danger to the public health and safety or the environment or which it should reasonably believe may result in citizens compliants that occurs at this Title V facility to the Department. For purposes of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process to operate in a normal or usual manner that may result in an increase in the emissions of air contaminants.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or harm to the environment, the notification shall be submitted to the Department no later than one hour after the incident.

(1) The notice shall describe the:

(i) name and location of the facility;

(ii) nature and cause of the malfunction or breakdown;

(iii) time when the malfunction or breakdown was first observed;

(iv) expected duration of excess emissions; and

(v) estimated rate of emissions.

SECTION C. Site Level Requirements

(2) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.

(3) Subsequent to the malfunction, the owner or operator shall submit a full report on the malfunction to the Department within 15 days, if requested.

(4) The owner or operator shall submit reports on the operation and maintenance of the source to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

(c) Malfunctions shall be reported to the Department at the following address:

PADEP
Office of Air Quality
400 Waterfront Drive
Pittsburgh, PA 15222-4745
(412)442-4000

 # 022 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

Owner/operator shall submit the semi-annual monitoring reports for this facility by January 31 and July 31 of each year. The January 31 semi-annual monitoring report shall cover the period from July 1 through December 31. This semi-annual monitoring report may be included in January 31 Title V Compliance Certification required by Title 25 PA Code § 127.513. The July 31 semi-annual monitoring report shall cover the period from January 1 through June 30. However, in accordance with Title 25 PA Code § 127.511(c), in no case shall the semi-annual monitoring report be submitted less often than every six (6) months. This may require that an interim semi-annual monitoring report (covering a period less than six (6) months) be submitted to bring the facility into compliance with this schedule.

 # 023 [25 Pa. Code §127.513]
Compliance certification.

Owner/operator shall submit a Title V Compliance Certification for this facility by January 31 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. However, in accordance with Title 25 PA Code § 127.513(5)(i), in no case shall the Title V Compliance Certification be submitted less often than annually. This may require that an interim Title V Compliance Certification (covering a period less than one year) be submitted to bring the facility into compliance with this schedule.

 # 024 [25 Pa. Code §135.21]
Emission statements

The owner or operator shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer, plant responsible official, designated representative, NOX authorized account representative or the plant manager that the information contained in the statement is accurate.

 # 025 [25 Pa. Code §135.3]
Reporting

(a) The Owner/Operator shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

(b) The source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

SECTION C. Site Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

 # 026 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from a source identified in 25 PA Code 123(a)(1)-(7) from becoming airborne. These actions shall include, but not be limited to, the following:

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) 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 other means. [25 PA Code 123.1 and 123.2]

VII. ADDITIONAL REQUIREMENTS.

 # 027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-000-099, Condition #14, emission reductions of the targeted contaminants below the level specified in RACT Operating Permit #30-000-099 which are achieved by optimizing the effectiveness of equipment installed pursuant to the Plan Approvals are not surplus emission reductions and shall not be used to generate Emission Reduction Credits. In order for emission reductions to be creditable, the emission reductions must satisfy the requirements of 25 Pa. Code, Chapter 127, Subchapter E.

 # 028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department and other states are currently engaged in litigation in federal court against Allegheny Energy Supply Company, LLC and other Allegheny Energy, Inc. entities in Commonwealth of Pennsylvania, Department of Environmental Protection, et al., v. Allegheny Energy, Inc., et al., Civil Action No. 2:05cv0885 (W.D. Pa.) ("Litigation") concerning, among other topics, the applicability of PSD and New Source Review requirements to the Hatfield's Ferry Power Station based on changes that were made on the units at that station. In light of this pending litigation, the Department reserves its right to establish additional requirements for the Hatfield’s Ferry Power Station based on the application of PSD and/or New Source Review requirements as necessary to reflect the outcome of the Litigation.

This Title V Operating Permit shall not be construed as barring, diminishing, adjudicating or in any way affecting any pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action, or demands that the Department may have against Allegheny Energy Supply Company, LLC or other Allegheny Energy, Inc. entities, including but not limited to any enforcement action authorized by applicable State or federal law. The approval and provisions of this Title V Operating Permit shall not be construed to resolve, adjudicate, limit, waive, or affect in any way any other litigation involving the applicability of Best Available Technology, PSD, New Source Review, or New Source Performance Standards to the Hatfield's Ferry Power Station.

 # 029 [25 Pa. Code §127.531]

Special conditions related to acid rain.

(a) This section describes the permit program for acid deposition control in accordance with Titles IV and V of the Clean Air Act (42 U.S.C.A. 7641 and 7642 and 7661--7661f). The provisions of this section shall be interpreted in a manner consistent with the Clean Air Act and the regulations thereunder.

(b) The owner or operator or the designated representative of each affected source under section 405 of the Clean Air Act (42 U.S.C.A. 7651d) shall submit a permit application and compliance plan for the affected source to the Department within 120 days from notice by the Department to submit an application but no later than January 1, 1996, for sulfur dioxide, and no later than January 1, 1998, for NOx, that meets the requirements of this chapter, the Clean Air Act and the

SECTION C. Site Level Requirements

regulations thereunder.

(c) In the case of affected sources for which an application and plan are timely received, the permit application and the compliance plan, including amendments thereto, shall be binding on the owner or operator or the designated representative of the owner or operator and shall be enforceable as a permit for purposes of this section until a permit is issued by the Department.

(d) A permit issued under this section shall require the source to achieve compliance as soon as possible but no later than the date required by the Clean Air Act or the regulations thereunder for the source.

(e) At any time after the submission of a permit application and compliance plan, the applicant may submit a revised application and compliance plan. In considering a permit application and compliance plan under this section, the Department will coordinate with the Pennsylvania Public Utility Commission consistent with the requirements established by the EPA.

(f) In addition to the other requirements of this chapter, permits issued under this section shall prohibit the following:

(1) Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide that the owner or operator or designated representative holds for the unit.

(2) Exceeding applicable emission rates or standards, including ambient air quality standards.

(3) The use of an allowance prior to the year for which it is allocated.

(4) Contravention of other provisions of the permit.

(g) Each permit issued to a source under Title IV of the Clean Air Act shall contain a condition prohibiting emissions exceeding any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations thereunder.

(1) A permit revision will not be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, if the increases do not require a permit revision under another applicable requirement.

(2) A limit will not be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with another applicable requirement.

(3) An allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.

 # 030 [25 Pa. Code §139.1]
Sampling facilities.

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

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: BABCOCK & WILCOX BOILER 1

Source Capacity/Throughput:

5,766.000	MMBTU/HR	
227.000	Tons/HR	Bituminous
1,384.000	Gal/HR	#2 Oil
113.500	Tons/HR	Sub_Bituminous
1.386	MMCF/HR	Natural Gas

Conditions for this source occur in the following groups: G01

CU 031 → CNTL C01 → CNTL C031 → STAC S01

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to Operating Permit #30-306-003, Condition #5, in accordance with the Owner/Operator's monitoring plan, emission data shall be collected from the monitors and submitted to the Department quarterly.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with Operating Permit #30-306-003, Condition #6, NOx (nitrogen oxides) shall be determined pursuant to Condition #001 of Section D, above, and submitted to the Department quarterly.

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 032 Source Name: BABCOCK & WILCOX BOILER 2

Source Capacity/Throughput:

5,766.000	MMBTU/HR	
227.000	Tons/HR	Bituminous
1,384.000	Gal/HR	#2 Oil
113.500	Tons/HR	Sub_Bituminous
1.386	MMCF/HR	Natural Gas

Conditions for this source occur in the following groups: G01

CU 032 → CNTL C02 → CNTL C032 → STAC S02

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.
Pursuant to Operating Permit #30-306-002, Condition #5, in accordance with the Owner/Operator's monitoring plan, emission data shall be collected from the monitors and submitted to the Department quarterly.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]
Operating permit terms and conditions.
In accordance with Operating Permit #30-306-002, Condition #6, NOx (nitrogen oxides) emission rates shall be determined pursuant to Condition #001 of Section D, above, and submitted to the Department quarterly.

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 033 Source Name: BABCOCK & WILCOX BOILER 3

Source Capacity/Throughput:

5,766.000	MMBTU/HR	
227.000	Tons/HR	Bituminous
1,384.000	Gal/HR	#2 Oil
113.500	Tons/HR	Sub_Bituminous
1.386	MMCF/HR	Natural Gas

Conditions for this source occur in the following groups: G01

CU 033 → CNTL C03 → CNTL C033 → STAC S03

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to Operating Permit #30-306-004, Condition #5, in accordance with the Owner/Operator's monitoring plan, emission data shall be collected from the monitors and submitted to the Department quarterly.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with Operating Permit #30-306-004, Condition #6, NOx (nitrogen oxides) emission rates shall be determined pursuant to Condition #001 of Section D, above, and submitted to the Department quarterly.

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 034 Source Name: BABCOCK & WILCOX (AUXILIARY BOILER 1)

Source Capacity/Throughput: 188.200 MMBTU/HR

1,384.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G02

CU 034 → STAC S04

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 035 Source Name: BABCOCK & WILCOX (AUXILIARY BOILER 2)

Source Capacity/Throughput: 188.200 MMBTU/HR
1,384.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G02

CU 035 → STAC S04

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 101 Source Name: NO. 2 FUEL OIL STORAGE TANKS

Source Capacity/Throughput: 287.200 Gal/HR #2 FUEL OIL

PROC 101 → STAC Z101

I. RESTRICTIONS.

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

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.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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).

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 102 Source Name: WASTE WATER TREATMENT SYSTEM

Source Capacity/Throughput: 270.000 Th Gal/HR

PROC 102 → STAC Z102

I. RESTRICTIONS.

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

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.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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).

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 103 Source Name: TWO COOLING TOWERS

Source Capacity/Throughput:

PROC 103 → STAC Z103

I. RESTRICTIONS.

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

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.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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).

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 104 Source Name: 3 EMERGENCY GENERATORS

Source Capacity/Throughput: 954.700 Gal/HR #2 FUEL OIL

Conditions for this source occur in the following groups: G03

PROC 104	→	STAC Z104

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

Particulate matter emissions into the outdoor atmosphere from this source shall not exceed 0.04 gr/dscf as specified in 25 Pa. Code Section 123.13(c)(1)(i).

 # 002 [25 Pa. Code §123.21]

General

The Owner/Operator shall not permit the emission into the outdoor atmosphere of sulfur oxides from this 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.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The Owner/Operator shall maintain records of operating hours and annual fuel consumption. These records shall be maintained on file for not less than five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall verify particulate matter emission rates using the most recent AP-42 emission factors and fuel usage records.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall verify SO2 emission rates using the most recent AP-42 emission factors and fuel usage records.

SECTION D. Source Level 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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION D. Source Level Requirements

Source ID: 105 Source Name: 19 PORTABLE SPACE HEATERS (KEROSENE)

Source Capacity/Throughput: 57.400 Gal/HR KEROSENE

PROC 105 → STAC Z105

I. RESTRICTIONS.

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

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.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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).

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 107 Source Name: ALL FUGITIVE DUST EMISSION SOURCES

Source Capacity/Throughput: 681.000 Tons/HR COAL

PROC 107 → STAC Z107

I. RESTRICTIONS.

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

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.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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).

VII. ADDITIONAL REQUIREMENTS.

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

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

SECTION D. Source Level Requirements

Source ID: 109 Source Name: FGD - MATERIALS HANDLING EQUIPMENT

Source Capacity/Throughput:

PROC 109 → STAC Z109

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from all limestone silo dust collectors shall not exceed 0.01 gr/dscf and 7 percent opacity. Compliance with this condition shall be satisfied by performance of the daily inspection and lack of evidence to the contrary.

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Throughputs at the Facility in any consecutive 12-month period shall be limited as follows:

a. Limestone delivered to the Facility shall not exceed 919,800 tons.
b. Gypsum production shall not exceed 1,610,964 tons.
c. Wastewater treatment plant sludge production shall not exceed 117,530 tons.

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.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall perform a daily inspection of the air contamination sources covered by plan approval #PA-30-00099G for the presence of fugitive and visible stack emissions. Records of the inspections shall be maintained in a log and include any corrective actions taken.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall maintain records of the following 12-month rolling totals:

a. Tons of Limestone delivered to the Facility.
b. Gypsum produced at the Facility.
c. Wastewater treatment plant sludge produced at the Facility.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All logs and required records shall be maintained on site for a minimum of five years and shall be made available to the Department upon request.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

 # 006 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (a)]
Subpart A--General Provisions
Prevention of significant deterioration of air quality - Plan disapproval.

The Owner/Operator shall submit an annual report by March 1 for the previous calendar year for a period of five years after the installation of the FGD and support process that compares the actual annual emissions of PM and PM10 to the baseline emissions plus the increase in emissions attributed to demand growth to verify that the threshold for applicability of the Prevention of Significant Deterioration Regulations (40 CFR 52.21) are not exceeded.

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]
Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants
Applicability and designation of affected facility.

The facility is subject to New Source Performance Standards for Nonmetallic Processing Plants (40 CFR Part 60, Subpart OOO). In accordance with 40 CFR 60.4, copies of all requests, reports, applications, submittals and other communications shall be forwarded to both EPA and the Department at the addresses listed below unless otherwise noted.

Director
Air Toxics and Radiation
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

PADEP
Air Quality Program
400 Waterfront Drive
Pittsburgh, PA 15222-4745

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [25 Pa. Code §123.1]
Prohibition of certain fugitive emissions

Road watering and/or wet sweeping shall be performed as needed and earth or other material transported from the site shall be removed promptly as needed on the paved public road (State Route 21) to prevent visible fugitive emissions in accordance with Title 25 Pa. Code Section 123.1

 # 009 [25 Pa. Code §123.1]
Prohibition of certain fugitive emissions

Road watering and/or wet sweeping shall be performed as needed on a preventative basis on all in-plant roadways and areas of vehicle traffic such that visible fugitive emissions do not cross the property line in accordance with Title 25 Pa. Code Section 123.1 and 123.2. Other methods of dust control shall be used when weather conditions make in-plant road watering hazardous, as necessary, to prevent visible fugitive emissions from crossing the property line in accordance with Title 25 Pa. Code Section 123.1 and 123.2.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The Owner/Operator shall utilize underground reclaim on all limestone stockpiles.

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

All stockpiled material shall be adequately wetted prior to, during, and after handling, as necessary to control fugitive emissions.

SECTION D. Source Level Requirements

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The Owner/Operator shall install water sprays on all limestone transfer points which shall be operated at all times when limestone Materials Handling Equipment is in operation. A winterized surfactant shall be utilized at all times when weather conditions make the use of water impractical.

 # 013 [25 Pa. Code §127.441]
Operating permit terms and conditions.
All Materials Handling Equipment transfer points shall be fully enclosed in a building.

 # 014 [25 Pa. Code §127.441]
Operating permit terms and conditions.
All Materials Handling Equipment conveyors shall fully enclose the material being conveyed or shall be fully enclosed.

 # 015 [25 Pa. Code §127.441]
Operating permit terms and conditions.
All in-plant haul roads, utilized to transport limestone, gypsum, and/or wastewater treatment plant sludge, shall be paved and maintained as such.

 # 016 [25 Pa. Code §127.441]
Operating permit terms and conditions.
All loaded trucks transporting limestone, gypsum, and/or wastewater treatment plant sludge entering or exiting the facility shall be properly tarpaulin covered.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 110 Source Name: FGD NO. 2 DIESEL FIRED EMERGENCY QUENCH PUMPS (3)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Hours of operation in any consecutive 12-month period #2 Diesel Fired Emergency Quench Pump shall not exceed 500 hours per unit.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall maintain records of the following 12-month rolling totals:

a. Hours of operation of the each #2 Diesel Fired Emergency Quench Pump.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

*** Permit Shield in Effect. ***

SECTION D. Source Level Requirements

Source ID: 111 Source Name: EMERGENCY FIRE PUMP ENGINE

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

SECTION E. Source Group Restrictions.

Group Name: G01

Group Description: Main Combustion Units

Sources included in this group

ID	Name
031	BABCOCK & WILCOX BOILER 1
032	BABCOCK & WILCOX BOILER 2
033	BABCOCK & WILCOX BOILER 3

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 a particulate matter from this combustion unit in excess of the rate of 0.1 pounds per million Btu of heat input.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The FGD system for each boiler shall operate at all times that the boiler is in operation and the SO2 emission rate from each FGD system shall not exceed:

(a) 0.325 lb/MMBtu of heat input on an annual average basis; this requirement shall take effect after 12-months of operating data has been collected.

(b) 0.45 lb/MMBtu of heat input on a 3-hour average at any time.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total SO2 emissions from the three existing 5,766 MMBtu/hr Babcock & Wilcox boilers shall not exceed 24,623.7 tons in any consecutive 12-month period after the installation of the flue gas desulfurization units; this requirement shall not take effect until one year from the date of initiation of operation.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The particulate matter emission rate from each FGD system shall not exceed 0.075 lb/MMBtu of heat input. Compliance with this condition shall be determined by stack testing in accordance with EPA Method 5 or other Department approved methods.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The PM10 emission rate from each FGD system shall not exceed 0.1 lb/MMBtu of heat input. Compliance with this condition shall be determined by stack testing for filterable PM10 in accordance with EPA Method 5, 5B, 201 or 201A; and for condensible PM10 by stack testing in accordance with EPA Method 202 or other Department approved methods.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-000-099, Condition #7, the emission rate of NOx (as NO2) from each stack shall not exceed 0.58 lbs/mmbtu based on a 30 day rolling average.

SECTION E. Source Group Restrictions.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-000-099, Condition #8, for purposes of determining potential to emit for NOx (nitrogen oxides as NO2) only, the annual NOx emission rate shall not exceed 19,080 tons per stack and 38,160 tons total for Units 1, 2 and 3 in any consecutive 12 month period.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with the SIP approved requirements of 25 PA Code Section 123.22:

This paragraph applies to solid fossil fuel fired combustion units with a rated capacity greater than or equal to 250 million Btus of heat input per hour.

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2 from these combustion unit in excess of the rates set forth in the following table:

	Allowable Pounds SO2 Per 10^6 Btu Heat Input
Thirty-day running average not to be exceeded at any time	3.7
Daily average not to be exceeded more than 2 days in any running 30-day period	4.0
Daily average maximum not to be exceeded at any time	4.8

(Compliance with this streamlined condition ensures compliance with the current applicable standards of 25 Pa. Code Section 123.22 which average emissions over any one hour period.)

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-00099, Condition #9, for purposes of determining potential to emit for VOC (volatile organic compounds) only, the annual VOC emission rate shall not exceed 135 tons total for Units 1, 2 and 3 in any consecutive 12 month period.

II. TESTING REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit #30-00099, Condition #10, in order to verify compliance with the VOC emission rates of Condition #005 of Section E, above, the Owner/Operator shall perform annual stack testing for VOCs in accordance with 25 Pa. Code Chapter 139 and the Department's Source Testing Manual.

 # 011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

1. The permittee shall conduct a source test within one (1) year of the issuance of this Operating Permit and at least every two (2) years thereafter. Stack testing conducted within the two (2) year period prior to the issuance of this TVOP may be used to meet the requirements of this condition and to start the two (2) year clock on subsequent stack testing.

SECTION E. Source Group Restrictions.

2. Source testing shall be conducted to determine the post-control emissions of particulate matter (filterable particulate only).

3. All testing shall be performed while each source is operating at no less than 90% of the maximum rated heat input, or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Soot blowing and ash removal in the boiler must be conducted at normal intervals and testing may not be scheduled to avoid such periods as they are considered to be normal operations.

4. All testing shall be conducted in accordance with any applicable federal regulations (such as New Source Performance Standards (NSPS), Subparts Da, Db, Dc, Ea, Eb, and Ec); 25 Pa. Code, Chapter 139 (relating to sampling and testing); and Revision 3.3 of the Source Testing Manual of the Department. The following federal reference methods, or other test methods approved by the Department prior to testing, shall be used.

a. 40 CFR 60, Appendix A, Methods 1-4 shall be used to determine the volumetric flow rate.

b. 40 CFR 60, Appendix A, Method 5 shall be used to determine the particulate matter (FPM) emission concentration (grains/dscf) and particulate emission rate (lbs/hour and lbs/MMBTU).

c. 40 CFR 60, Appendix A, Method 19 shall be used to determine the particulate matter emission rate in lbs/MMBTU.

5. At least sixty (60) calendar days prior to commencing an emission testing program required by this condition, a test protocol shall be submitted to the PA DEP, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 and the appropriate Regional Office for review and approval. The test protocol shall meet all applicable requirements specified in the Revision 3.3 of the Source Testing Manual of the Department.

6. At least fifteen (15) 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 appropriate Regional Office and to the Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring. The notification and the testing 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.

7. The following process parameters shall be recorded at 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. Any exceptions to this recordkeeping requirement shall receive prior approval from the Department.

a. Heat input rate of coal [MMBTU/hour]
b. Coal feed rate to the boiler [tons/hour]
c. Steam flow [lbs/hour]
d. Steam temperature [°F]
e. Steam pressure [psig]
f. Soot blowing and/or ash removal (Yes/No)
g. Oxygen level at the economizer [%]
h. ESP - Secondary voltage of individual buss sections [Volts]
i. ESP - Secondary current of individual buss sections [milliamps]
j. ESP - Spark rate of individual buss sections [sparks/second]
k. Scrubber liquor flow rate [gpm]
l. Speed of draft fans [rpm]
m. Output of powered electrical generator [mw]

8. Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program, an electronic mail notification shall be sent to the PA DEP, Bureau of Air Quality, Division of Source Testing and Monitoring at RA-epstacktesting@state.pa.us and the appropriate Regional Office indicating the completion date of the on-site testing.

9. 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.

SECTION E. Source Group Restrictions.

10. 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:

a. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
b. Permit number(s) and condition(s) which are the basis for the evaluation;
c. Summary of results with respect to each applicable permit condition; and
d. Statement of compliance or non-compliance with each applicable requirement.

11. All submittals shall meet all applicable requirements specified in Revision 3.3, or successor volume, of the Source Testing Manual of the Department.

12. All submittals, besides notifications, shall be accomplished through PSIMS*Online available through https://www.depgreenport.state.pa.us/ecomm/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, with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the appropriate Regional Office.

13. The owner or operator 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.

14. Alternative methodology may also be used, subject to Department approval.

 # 012 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.

Testing for emissions of filterable PM10, filterable PM2.5, and condensable particulate from the each source shall also be conducted at least every two years. This testing is in addition to testing emissions of particulate for compliance with PA Code Title 25 § 123.11(a)(3). Testing shall be conducted using EPA Method 201A and Method 202, or agency approved equivalent. The testing for filterable PM10, filterable PM2.5, and condensable particulate is for informational purposes only and will not be used for determination of compliance with Pa Code Title 25 § 123.11(a)(3).

 # 013 [25 Pa. Code §139.101]
General requirements.

In accordance with the Department's "Continuous Source Monitoring Manual", the Owner/Operator shall conduct an annual system performance audit consistent with the following:

1) Departmental approval is obtained prior to testing, and

2) Notification is provided to the Department's Source Testing and Monitoring, Continusous Emission Monitoring Section at least 21 days in advance of the testing.

III. MONITORING REQUIREMENTS.

 # 014 [25 Pa. Code §123.25]
Monitoring requirements

(a) The Owner/Operator shall install, operate and maintain continuous SO2 monitoring systems in compliance with Chapter 139 Subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with Chapter 139, Subchapter C.

(b) Continuous SO2 monitoring systems installed under this section shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

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(c) The following are alternative monitoring systems:

(1) The Department will allow affected sources to utilize sulfur-in-fuel sampling programs in lieu of the requirements of subsection (a). These programs shall meet the requirements of Chapter 139, Subchapter C.

(2) The Department may exempt a source from the requirements of subsection (a) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system cannot be implemented by a source due to physical plant limitations or to extreme economic reasons. The Department will require an exempted source to fulfill alternative emission monitoring and reporting requirements.

(d) The Department may use the data from the SO2 monitoring devices or from the alternative monitoring systems required by this section to enforce the emission limitations for SO2 defined in this article.

(e) Compliance with this section shall be obtained no later than 18 months after the effective date of the listing of any affected source. The Department may grant orders providing reasonable extension of time for sources that have made good faith efforts to install, operate and maintain continuous monitoring devices, but that have been unable to complete the operations within the time period provided.

(f) The Department may use the data from the SO2 monitoring systems or from the alternative monitoring systems required by this section to determine compliance with the applicable emission limitations for SO2 established in this article.

 # 015 [25 Pa. Code §123.46]

Monitoring requirements

In accordance with Title 25 PA Code Section 123.46(c), each unit, after the installation of the FGD systems, is exempt from the requirements of Title 25 PA Code Section 123.46(b), relating to the installation and operation of a continuous opacity monitoring device.

 # 016 [25 Pa. Code §123.51]

Monitoring requirements

(a) The Owner/Operator shall install, operate and maintain continuous nitrogen oxides monitoring systems and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for statutory sources).

(b) Sources subject to this section shall submit results on a regular schedule and in a format acceptable to the Department and in compliance with Chapter 139, Subchapter C.

(c) Continuous nitrogen oxides monitoring systems installed under the requirements of this section shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

(d) The Department may exempt a source from the requirements of subsection (a) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system cannot be implemented by a source due to physical plant limitations or to extreme economic reasons. A source exempted from the requirements of subsection (a) shall satisfy alternative emission monitoring and reporting requirements proposed by the source and approved by the Department which provide oxides emission data that is representative of actual emissions of the source.

(e) Sources subject to this section shall comply by October 20, 1993, unless the source becomes subject to the requirements later than October 20, 1990. For sources which become subject to the requirements after October 20, 1990, the source has 36 months from the date the source becomes subject to this section. The Department may issue orders providing a reasonable extension of time for sources that have made good faith efforts to install, operate and maintain continuous monitoring devices, but that have been unable to complete the operations within the time period provided.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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The Owner/Operator shall read and record Visible Emissions for at least 1 hour each calendar week from the FGD stack, using EPA Reference Method 9, found at 40 CFR 60, Appendix A, unless atmospheric conditions make such readings impossible.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner/Operator shall install, operate, and maintain devices to monitor and record the following parameters at a minimum frequency of once per day:

a) Pressure differential across the absorber.
b) Flue gas pressure across the mist eliminator.
c) Scrubber inlet and outlet temperatures.
d) PH of the scrubbing liquid.
e) Density of the reactor tank slurry.
f) Flow rate of scrubbing liquid to the absorber and scrubbing liquid make up rate.

 # 019 [25 Pa. Code §139.101]

General requirements.

In accordance with the Department's "Continuous Source Monitoring Manual"
the owner or operator shall observe the following requirements when performing any maintenance/calibration on the CEM system(s):

(A) MAINTENANCE:

1. Zero and calibration drift checks should be conducted immediately prior to and following maintenence.

2. If the post maintenance zero or the calibration drift checks show drift in excess of twice the applicable performance specification, recalibration must be conducted in accordance with the quarterly calibration error check procedures in paragraph (B)(2). Monitors may be calibrated in-situ.

(B) PERIODIC CALIBRATION:

1. Calibration must be conducted at least daily for determination of measurement device zero and calibration drift on all measurement device ranges. The calibration must be performed as per the Department's "Continuous Source Monitoring Manual."

2. The monitoring system must be adjusted whenever the zero or calibration drift performance specification are exceeded.

3. The zero drift check must be conducted at a measurement level at or between 0% and 30% of measurement device range. The value selected must be lower than the lowest value that would be expected to occur under normal source operating conditions.

4. The calibration drift check must be conducted at a measurement level at or between 40% and 100% of measurement device range unless an alternative concentration can be demonstrated to better represent normal source operating levels.

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 # 020 [25 Pa. Code §139.101]

General requirements.

The Owner/Operator shall continue to, certify, maintain, and operate a CEM system for monitoring sulfur oxides (as SO2), NOx (as NO2) and stack gas flow from each boiler. Oxygen (O2) or carbon dioxide (CO2) shall be monitored at each location where SOx and NOx are monitored in accordance with the requirements of Title 25 PA Code Chapter 139.

 # 021 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.2]

Sections of PART 64

Applicability

The following tables outline the Owner/Operator's Compliance Assurance Monitoring (CAM) plan for these emission units which is hereby approved by the Department:

Table 1
TSP CAM Plan Performance Indicator No. 1 - TSP Emission Rate
(Sources: CU031, CU032, & CU033)

I. Performance Indicator — ESP secondary voltage and current are measured from each field to determine total power to the ESP.

Measurement Approach — ESP secondary voltage is measured using a voltmeter and the secondary current is measured using an ammeter. The total power (P) input to the ESP is the sum of the products of secondary voltage (V) and current (I) in each field. (P = V1*I1 + V2 * I2)

II. Indicator Range — An excursion will be defined as a three-hour block average ESP power input less than TBD kW. (Value to be determined based on TEOM 7000 testing.)

III. Performance Criteria

Data Representativeness — The secondary voltage and current are measured using station instrumentation.

Verification of Operational Status — N/A

QA/QC Practices/Criteria — Calibrate, maintain, and operate instrumentation in accordance with manufacturer's specifications.

Monitoring Frequency — The secondary voltage and current are measured continously and will be recorded no less than 4 times per hour.

Data Collection Procedures — The power input (in kW) is calculated and recorded.

Averaging Period — 3-Hour Block

Table 2
TSP CAM Plan Performance Indicator No. 2 - TSP Emission Rate
(Sources: CU031, CU032, & CU033)

I. Performance Indicator — Scrubber liquid flow rate

Measurement Approach — Scrubber liquid flow rate will be measured as the sum of all recycle pumps operating.

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II. Indicator Range — An excursion will be defined as a three-hour block average scrubber liquid flow rate less than TBD. (Value to be determined based on TEOM 7000 testing)

III. Performance Criteria

Data Representativeness — The scrubber liquid flow rate is measured using station instrumentation.

Verification of Operational Status — N/A

QA/QC Practices/Criteria — Calibrate, maintain, and operate instrumentation in accordance with manufacturer's specifications.

Monitoring Frequency — The scrubber liquid flow rate is measured continously and will be recorded no less than 4 times per hour.

Data Collection Procedures — The scrubber liquid flow rate is recorded.

Averaging Period — 3-Hour Block

 # 022 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.1]
Subpart A--General
Purpose and scope.

 # 023 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.10]
Subpart B--Monitoring Provisions
General operating requirements.

 # 024 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.12]
Subpart B--Monitoring Provisions
Specific provisions for monitoring NOx emissions (NOx and diluent gas monitors).

 # 025 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.13]
Subpart B--Monitoring Provisions
Specific provisions for monitoring CO2 emissions.

 # 026 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.14]
Subpart B--Monitoring Provisions
Specific provisions for monitoring opacity.

 # 027 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.16]
Subpart B--Monitoring Provisions
Special provisions for monitoring emissions from common, bypass, and multiple stacks for SO2 emissions and heat input determinations.

 # 028 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.17]
Subpart B--Monitoring Provisions
Specific provisions for monitoring emissions from common, by-pass, and multiple stacks for NOx emission rate.

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 # 029 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.18]
Subpart B--Monitoring Provisions
Specific provisions for monitoring emissions from common and by-pass stacks for opacity.

 # 030 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.2]
Subpart A--General
Applicability.

 # 031 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.20]
Subpart C--Operation and Maintenance Requirements
Certification and recertification procedures.

 # 032 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.21]
Subpart C--Operation and Maintenance Requirements
Quality assurance and quality control requirements.

 # 033 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.22]
Subpart C--Operation and Maintenance Requirements
Reference test methods.

 # 034 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.23]
Subpart C--Operation and Maintenance Requirements
Alternatives to standards incorporated by reference.

 # 035 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.24]
Subpart C--Operation and Maintenance Requirements
Out-of-control periods.

 # 036 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.3]
Subpart A--General
General Acid Rain Program provisions.

 # 037 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.30]
Subpart D--Missing Data Substitution Procedures
General provisions.

 # 038 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.4]
Subpart A--General
Compliance dates.

 # 039 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.5]
Subpart A--General
Prohibitions.

 # 040 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.6]
Subpart A--General
Incorporation by reference.

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IV. RECORDKEEPING REQUIREMENTS.

 # 041 [25 Pa. Code §127.441]
Operating permit terms and conditions.

All logs and required records shall be maintained on site for a minimum of five years and shall be made available to the Department upon request.

 # 042 [25 Pa. Code §139.101]
General requirements.

In accordance with the Department's "Continuous Source Monitoring Manual", the permitee shall maintain the Continuous Emission Records as follows:

1) All data shall be reduced to one-hour averages on a clock basis, except opacity, which shall be reduced to one-minute averages. The reduction methods must be in accordance with the data validation and reduction criteria of the Department's Quality Assurance requirements.

2) A chronological file shall be maintained which includes the following:

a) All measurements from the systems,

b) All valid averages as specified above,

c) The cause, time periods, and magnitudes of all exceedences,

d) Data and results for all performance tests, audits and recalibrations

e) Records af any repairs, adjustments or maintenance

f) Conversion methods,

g) The cause and time periods for any invalid data.

h) Records of all corrective actions taken in response to exceedances.

i) Copies of the Phase I application, Phase II testing protocol, Phase III performance specification testing report and all correspondence related to the CEMs.

V. REPORTING REQUIREMENTS.

 # 043 [25 Pa. Code §139.101]
General requirements.

In accordance with the Department's "Continuous Source Testing Manual," the owner or operator shall submit to the Department calander quarterly reports of Continuous Emission Monitoring Systems (CEMs) containing the following:

1) Information on the source and emissions in accordance with the appropriate reporting format approved by the Department.

2) The results of all performance test, audits and recalibrations conducted during the quarter.

The report signed by the responsible official shall be submitted in duplicate to the Division of Source Testing and Monitoring, Continuous Testing Section at the following address, within thirty (30) days foolowing the end of each quarter:

Department of Environmental Protection
Division of Source Testing and Monitoring, Continuous Testing Section
Rachael Carson State Office Building

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P.O. Box 8468
Harrisburg, PA 17105-8468

3) Subsequent data report changes must be submitted in duplicate to the Air Program Manager, Southwestern Regional Office. Data resubmittals must be submitted to the Regional Office within sixty (60) days following the end of the quarter.

 # 044 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.13]
Subpart B--Allowance Allocations
Procedures for submittals.

 # 045 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.60]
Subpart G--Reporting Requirements
General provisions.

 # 046 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.61]
Subpart G--Reporting Requirements
Notifications

 # 047 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.62]
Subpart G--Reporting Requirements
Monitoring plan.

 # 048 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.63]
Subpart G--Reporting Requirements
Initial certification or recertification application.

 # 049 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.64]
Subpart G--Reporting Requirements
Quarterly reports.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 050 [25 Pa. Code §123.121]
NOx Allowance Program transition.

The emission limitations and monitoring requirements established in 123.101-123.120 (relating to NOx allowance requirements) are replaced by the requirements in Chapter 145 beginning with the May 1, 2003, control period. If a source has failed to demonstrate compliance with 123.111 (relating to failure to meet source compliance requirements), the provisions in 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 145.42 (relating to NOx allowance allocations), the source will be obligated to acquire and retire a number of NOx allowances as specified in 145.54.

 # 051 [25 Pa. Code §127.207]
ERC generation and creation.

This condition approves the generation of 127,950 tons of SO2 emission reduction credits generated by the installation of Flue Gas Desulfurization scrubber systems on EGU Source ID 031, 032, and 033 under Plan Approval #PA-30-00099F.

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 # 052 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with 40 CFR PART 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs), the owners and operators and the CAIR designated representative of each CAIR source are subject to 40 CFR § 97.106 (relating to standard requirements), 40 CFR § 97.206 (relating to standard requirements) and 40 CFR § 97.306 (relating to standard requirements).

 # 053 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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.

 # 054 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The EGUs at site are affected facility for purposes of 40 CFR Part 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units (EGUs) (as defined in § 63.10042). Owner/Operator shall comply with all applicable requirements of 40 CFR §§ 63.9980 through 63.10042, including Tables and Appendices.

 # 055 [25 Pa. Code §139.102]

References.

The following are references of this subchapter:

(1) "Standards of Performance for New Stationary Sources," 40 CFR Chapter I, Subchapter C, Part 60, Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402-9328.

(2) "Minimum Emission Monitoring Requirements," 40 CFR Subchapter C, Part 51, Appendix P, Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402-9328.

(3) "Continuous Source Monitoring Manual," Commonwealth of Pennsylvania, Department of Environmental Resources, Bureau of Air Quality Control, Post Office Box 8468, Harrisburg, Pennsylvania 17105-8468.

 # 056 [25 Pa. Code §145.203]

Applicability.

This subchapter applies to CAIR NOx units, CAIR NOx ozone season units and CAIR SO2 units.

 # 057 [25 Pa. Code §145.204.]

Incorporation of Federal regulations by reference.

(a) Except as otherwise specified in this subchapter, the provisions of the CAIR NOx Annual Trading Program, found in 40 CFR Part 96 (relating to NOx budget trading program and CAIR NOx and SO2 trading programs for State implementation plans), including all appendices, future amendments and supplements thereto, are incorporated by reference.
(b) Except as otherwise specified in this subchapter, the provisions of the CAIR SO2 Trading Program, found in 40 CFR Part 96, including all appendices, future amendments and supplements thereto, are incorporated by reference.
(c) Except as otherwise specified in this subchapter, the provisions of the CAIR NOx Ozone Season Trading Program, found in 40 CFR Part 96, including all appendices, future amendments and supplements thereto, are incorporated by reference.
(d) In the event of a conflict between Federal regulatory provisions incorporated by reference in this subchapter and Pennsylvania regulatory provisions, the provision expressly set out in this subchapter shall be followed unless the Federal provision is more stringent. Federal regulations that are cited in this subchapter or that are cross-referenced in the Federal regulations incorporated by reference include any Pennsylvania modifications made to those Federal regulations.

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 # 058 [25 Pa. Code §145.205.]

Emission reduction credit provisions.

The following conditions shall be satisfied in order for the Department to issue a permit or plan approval to the owner or operator of a unit not subject to this subchapter that is relying on emission reduction credits (ERCs) or creditable emission reductions in an applicability determination under Chapter 127, Subchapter E (relating to new source review), or is seeking to enter into an emissions trade authorized under Chapter 127 (relating to construction, modification, reactivation and operation of sources), if the ERCs or creditable emission reductions were, or will be, generated by a unit subject to this subchapter.

(1) Prior to issuing the permit or plan approval, the Department will permanently reduce the Commonwealth's CAIR NOx trading budget or CAIR NOx Ozone Season trading budget, or both, as applicable, beginning with the sixth control period following the date the plan approval or permit to commence operations or increase emissions is issued. The Department will permanently reduce the applicable CAIR NOx budgets by an amount of allowances equal to the ERCs or creditable emission reductions relied upon in the applicability determination for the non-CAIR unit subject to Chapter 127, Subchapter E or in the amount equal to the emissions trade authorized under Chapter 127, as if these emissions had already been emitted.

(2) The permit or plan approval must prohibit the owner or operator from commencing operation or increasing emissions until the owner or operator of the CAIR unit generating the ERC or creditable emission reduction surrenders to the Department an amount of allowances equal to the ERCs or emission reduction credits relied upon in the applicability determination for the non-CAIR unit under Chapter 127, Subchapter E or the amount equal to the ERC trade authorized under Chapter 127, for each of the five consecutive control periods following the date the non-CAIR unit commences operation or increases emissions. The allowances surrendered must be of present or past vintage years.

 # 059 [25 Pa. Code §145.212.]

CAIR NOx allowance allocations.

(a) Provisions not incorporated by reference. The requirements of 40 CFR 96.142 (relating to CAIR NOx allowance allocations) are not incorporated by reference. Instead of 40 CFR 96.142, the requirements set forth in this section apply.

(b) Baseline heat input. Baseline heat input for each CAIR NOx unit will be converted as follows:

(1) A unit's control period heat input and a unit's status as coal-fired or oil-fired for a calendar year under this paragraph will be determined in one of the following two ways:

(i) In accordance with 40 CFR Part 75 (relating to continuous emission monitoring), to the extent that the unit was otherwise subject to 40 CFR Part 75 for the year.

(ii) Based on the best available data reported to the Department for the unit, to the extent the unit was not otherwise subject to the requirements of 40 CFR Part 75 for the year.

(2) Except as provided in subparagraphs (iv) and (v), a unit's converted control period heat input for a calendar year shall be determined as follows:

(i) The control period gross electrical output of the generators served by the unit multiplied by 7,900 Btu/kWh if the unit is coal-fired for the year, and divided by 1,000,000 Btu/mmBtu.

(ii) The control period gross electrical output of the generators served by the unit multiplied by 6,675 Btu/kWh if the unit is not coal-fired for the year, and divided by 1,000,000 Btu/mmBtu.

(iii) If a generator is served by two or more units, the gross electrical output of the generator will be attributed to each unit in proportion to the share of the total control period heat input from each of the units for the year.

(iv) For a unit that is a boiler and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the total heat energy (in Btus) of the steam produced by the boiler during the annual control period, divided by 0.8 and by 1,000,000 Btu/mmBtu.

(v) For a unit that is a combustion turbine and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the annual control period gross electrical output of the enclosed device comprising the compressor, combustor and turbine multiplied by 3,413 Btu/kWh, plus the total heat energy (in Btu) of the steam produced by any associated heat recovery steam generator during the annual control period divided by 0.8, and with the sum divided by 1,000,000 Btu/mmBtu.

(vi) Calculations will be based on the best output data available on or before January 31 of the year the allocations are published. If unit level electrical or steam output data are not available from EIA, or submitted by this date by the owner or operator of the CAIR NOx unit, then heat input data for the period multiplied by 0.25 and converted to MWh will be used to determine total output.

(c) Existing unit, new unit and subsection (f)(1) qualifying resource allocation baseline. For each control period beginning with January 1, 2010, and each year thereafter, the Department will allocate to qualifying resources and CAIR NOx units, including CAIR NOx units issued allowances under subsection (e), a total amount of CAIR NOx allowances equal to the

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number of CAIR NOx allowances remaining in the Commonwealth's CAIR NOx trading budget under 40 CFR 96.140 (relating to State trading budgets) for those control periods using summed baseline heat input data as determined under subsections (b) and (f)(1) from a baseline year that is 6 calendar years before the control period.

(d) Proration of allowance allocations. The Department will allocate CAIR NOx allowances to each existing CAIR NOx unit and qualifying resource in an amount determined by multiplying the amount of CAIR NOx allowances in the Commonwealth's CAIR NOx trading budget available for allocation under subsection (c) by the ratio of the baseline heat input of the existing CAIR NOx unit or qualifying resource to the sum of the baseline heat input of existing CAIR NOx units and of the qualifying resources, rounding to the nearest whole allowance as appropriate.

(e) Allocations to new CAIR NOx units. By March 31, 2011, and March 31 each year thereafter, the Department will allocate CAIR NOx allowances under § 145.211(c) (relating to timing requirements for CAIR NOx allowance allocations) to CAIR NOx units equal to the previous year's emissions at each unit, unless the unit has been issued allowances of the previous year's vintage in a regular allocation under § 145.211(b). The Department will allocate CAIR NOx allowances under this subsection of a vintage year that is 5 years later than the year in which the emissions were generated. The number of CAIR NOx allowances allocated may not exceed the actual emission of the year preceding the year in which the Department makes the allocation. The allocation of these allowances to the new unit will not reduce the number of allowances the unit is entitled to receive under another provision of this subchapter.

(f) Allocations to qualifying resources and units exempted by section 405(g)(6)(a) of the Clean Air Act. For each control period beginning with 2010 and thereafter, the Department will allocate CAIR NOx allowances to qualifying resources under paragraph (1) in this Commonwealth that are not also allocated CAIR NOx allowances under another provision of this subchapter and to existing units under paragraph (2) that were exempted at any time under section 405(g)(6)(a) of the Clean Air Act (42 U.S.C.A. § 7651d(g)(6)(A)), regarding phase II SO2 requirements, and that commenced operation prior to January 1, 2000, but did not receive an allocation of SO2 allowances under the EPA's Acid Rain Program, as follows:

(1) The Department will allocate CAIR NOx allowances to a renewable energy qualifying resource or demand side management energy efficiency qualifying resource in accordance with subsections (c) and (d) upon receipt by the Department of an application, in writing, on or before June 30 of the year following the control period, except for vintage year 2011 and 2012 NOx allowance allocations whose application deadline will be prescribed by the Department, meeting the requirements of this paragraph. The number of allowances allocated to the qualifying resource will be determined by converting the certified quantity of electric energy production, useful thermal energy, and energy equivalent value of the measures approved under the Pennsylvania Alternative Energy Portfolio Standard to equivalent thermal energy. Equivalent thermal energy is a unit's baseline heat input for allocation purposes. The conversion rate for converting electrical energy to equivalent thermal energy is 3,413 Btu/kWh. To receive allowances under this subsection, the qualifying resource must have commenced operation after January 1, 2005, must be located in this Commonwealth and may not be a CAIR NOx unit. The following procedures apply:

(i) The owner of a qualifying renewable energy resource shall appoint a CAIR-authorized account representative and file a certificate of representation with the EPA and the Department.

(ii) The Department will transfer the allowances into an account designated by the owner's CAIR-authorized account representative of the qualifying resource, or into an account designated by an aggregator approved by the Pennsylvania Public Utility Commission or its designee.

(iii) The applicant shall provide the Department with the corresponding renewable energy certificate serial numbers.

(iv) At least one whole allowance must be generated per owner, operator or aggregator for an allowance to be issued.

(2) The Department will allocate CAIR NOx allowances to the owner or operator of a CAIR SO2 unit that commenced operation prior to January 1, 2000, that has not received an SO2 allocation for that compliance period, as follows:

(i) By January 31, 2011, and each year thereafter, the owner or operator of a unit may apply, in writing, to the Department under this subsection to receive extra CAIR NOx allowances.

(ii) The owner or operator may request under this subparagraph one CAIR NOx allowance for every 8 tons of SO2 emitted from a qualifying unit during the preceding control period. An owner or operator of a unit covered under this subparagraph that has opted into the Acid Rain Program may request one CAIR NOx allowance for every 8 tons of SO2 emissions that have not been covered by the SO2 allowances received as a result of opting into the Acid Rain Program.

(iii) If the original CAIR NOx allowance allocation for the unit for the control period exceeded the unit's actual emissions of NOx for the control period, the owner or operator shall also deduct the excess CAIR NOx allowances from the unit's request under subparagraph (ii). This amount is the unit's adjusted allocation and will be allocated unless the proration described in subparagraph (iv) applies.

(iv) The Department will make any necessary corrections and then sum the requests. If the total number of NOx allowances requested by all qualified units under this paragraph, as adjusted by subparagraph (iii), is less than 1.3% of the Commonwealth's CAIR NOx Trading Budget, the Department will allocate the corrected amounts. If the total number of NOx allowances requested by all qualified units under this paragraph exceeds 1.3% of the Commonwealth's CAIR NOx Trading Budget, the Department will prorate the allocations based upon the following equation:

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AA = [EA X (0.013 X BNA)] / TRA
where,
AA is the unit's prorated allocation,
EA is the adjusted allocation the unit may request under subparagraph (iii),
BNA is the total number of CAIR NOx allowances in the Commonwealth's CAIR NOx trading budget,
TRA is the total number of CAIR NOx allowances requested by all units requesting allowances under this paragraph.

(3) The Department will review each CAIR NOx allowance allocation request under this subsection and will allocate CAIR NOx allowances for each control period under a request as follows:
(i) The Department will accept an allowance allocation request only if the request meets, or is adjusted by the Department as necessary to meet, the requirements of this section.
(ii) On or after January 1 of the year of allocation, the Department will determine the sum of the CAIR NOx allowances requested.
(4) Up to 1.3% of the Commonwealth's CAIR NOx trading budget is available for allocation in each allocation cycle from 2011-2016 to allocate 2010-2015 allowances for the purpose of offsetting SO2 emissions from units described in paragraph (2). Beginning January 1, 2017, and for each allocation cycle thereafter, the units will no longer be allocated CAIR NOx allowances under paragraph (2). Any allowances remaining after this allocation will be allocated to units under subsection (c) during the next allocation cycle.
(5) Notwithstanding the provisions of paragraphs (2)—(4), the Department may extend, terminate or otherwise modify the allocation of NOx allowances made available under this subsection for units exempted under section 405(g)(6)(a) of the Clean Air Act after providing notice in the Pennsylvania Bulletin and at least a 30-day public comment period.
(g) The Department will correct any errors in allocations made by the Department and discovered after final allocations are made but before the next allocation cycle, in the subsequent allocation cycle using future allowances that have not yet been allocated.

 # 060 [25 Pa. Code §145.213.]

Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.170--96.175.

(a) By January 1, 2009, or by the date of commencing commercial operation, whichever is later, the owner or operator of the CAIR NOx unit shall install, calibrate, maintain and operate a wattmeter, measure gross electrical output in megawatt-hours on a continuous basis and record the output of the wattmeter. If a generator is served by two or more units, the information to determine the heat input of each unit for that control period shall also be recorded, so as to allow each unit's share of the gross electrical output to be determined. If heat input data are used, the owner or operator shall comply with the applicable provisions of 40 CFR Part 75 (relating to continuous emission monitoring).
(b) By September 1, 2008, for a CAIR NOx unit that is a cogeneration unit, and for a CAIR NOx unit with cogeneration capabilities, the owner or operator shall install, calibrate, maintain and operate meters for steam flow in lbs/hr, temperature in degrees Fahrenheit, and pressure in PSI, to measure and record the useful thermal energy that is produced, in mmBtu/hr, on a continuous basis. The owner or operator of a CAIR NOx unit that produces useful thermal energy but uses an energy transfer medium other than steam, such as hot water or glycol, shall install, calibrate, maintain and operate the necessary meters to measure and record the data necessary to express the useful thermal energy produced, in mmBtu/hr, on a continuous basis. If the unit ceases to produce useful thermal energy, the owner or operator may cease operation of the meters, but operation of the meters shall be resumed if the unit resumes production of useful thermal energy.
(c) Beginning with 2009, the designated representative of the unit shall submit to the Department an annual report showing monthly gross electrical output and monthly useful thermal energy from the unit. The report is due by January 31 for the preceding calendar year.
(d) The owner or operator of a CAIR NOx unit shall maintain onsite the monitoring plan detailing the monitoring system and maintenance of the monitoring system, including quality assurance activities. The owner or operator of a CAIR NOx unit shall retain the monitoring plan for at least 5 years from the date that it is replaced by a new or revised monitoring plan. The owner or operator of a CAIR NOx unit shall provide the Department with a written copy of the monitoring plan by January 1, 2009, and thereafter within 3 calendar months of making updates to the plan.
(e) The owner or operator of a CAIR NOx unit shall retain records for at least 5 years from the date the record is created or the data collected as required by subsections (a) and (b), and the reports submitted to the Department and the EPA in accordance with subsections (c) and (d).

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 # 061 [25 Pa. Code §145.222.]

CAIR NOx Ozone Season allowance allocations.

(a) Provisions not incorporated by reference. The requirements of 40 CFR 96.342 (relating to CAIR NOx Ozone Season allowance allocations) are not incorporated by reference. Instead of 40 CFR 96.342, the requirements in this section apply.

(b) Baseline heat input. Baseline heat input for each CAIR NOx Ozone Season unit will be converted as follows:

(1) A unit's control period heat input and a unit's status as coal-fired or oil-fired for the ozone season portion of a calendar year under this paragraph will be determined in one of the following two ways:

(i) In accordance with 40 CFR Part 75 (relating to continuous emission monitoring), to the extent that the unit was otherwise subject to the requirements of 40 CFR Part 75 for the control period.

(ii) Based on the best available data reported to the Department for the unit, to the extent the unit was not otherwise subject to the requirements of 40 CFR Part 75 for the year.

(2) Except as provided in subparagraphs (iv) and (v), a unit's converted control period heat input for the ozone season portion of a calendar year shall be determined as follows:

(i) The control period gross electrical output of the generators served by the unit multiplied by 7,900 Btu/kWh if the unit is coal-fired for the ozone season control period, and divided by 1,000,000 Btu/mmBtu.

(ii) The control period gross electrical output of the generators served by the unit multiplied by 6,675 Btu/kWh if the unit is not coal-fired for the ozone season control period, and divided by 1,000,000 Btu/mmBtu.

(iii) If a generator is served by 2 or more units, the gross electrical output of the generator will be attributed to each unit in proportion to the share of the total control period heat input from each of the units for the ozone season control period.

(iv) For a unit that is a boiler and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the total heat energy (in Btus) of the steam produced by the boiler during the ozone season control period, divided by 0.8 and by 1,000,000 Btu/mmBtu.

(v) For a unit that is a combustion turbine and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the control period gross electrical output of the enclosed device comprising the compressor, combustor and turbine multiplied by 3,413 Btu/kWh, plus the total heat energy (in Btu) of the steam produced by any associated heat recovery steam generator during the ozone season control period divided by 0.8, and with the sum divided by 1,000,000 Btu/mmBtu.

(vi) Calculations will be based on the best output data available on or before January 31 of the year the allocations are published. If unit level electrical or steam output data are not available from EIA, or submitted by this date by the owner or operator of the CAIR NOx Ozone Season unit, then heat input data for the period multiplied by 0.25 and converted to MWh will be used to determine total output.

(c) Existing unit, new unit and subsection (f)(1) qualifying resource allocation baseline. For each control period beginning with the 2010 control period and thereafter, the Department will allocate to qualifying resources and CAIR NOx Ozone Season units, including CAIR NOx Ozone Season units issued allowances under subsection (e), a total amount of CAIR NOx Ozone Season allowances equal to the number of CAIR NOx Ozone Season allowances remaining in the Commonwealth's CAIR NOx Ozone Season trading budget under 40 CFR 96.140 (relating to State trading budgets) for those control periods using summed baseline heat input data as determined under subsections (b) and (f)(1) from an ozone season control period in a baseline year that is 6 calendar years before the control period.

(d) Proration of allowance allocations. The Department will allocate CAIR NOx Ozone Season allowances to each existing CAIR NOx Ozone Season unit and qualifying resource in an amount determined by multiplying the amount of CAIR NOx Ozone Season allowances in the Commonwealth's CAIR NOx Ozone Season trading budget available for allocation under subsection (c) by the ratio of the baseline heat input of the existing CAIR NOx Ozone Season unit or qualifying resource to the sums of the baseline heat input of existing CAIR NOx Ozone Season units and of the qualifying resources, rounding to the nearest whole allowance as appropriate.

(e) Allocations to new CAIR NOx Ozone Season units. By March 31, 2011, and March 31 each year thereafter, the Department will allocate CAIR NOx Ozone Season allowances under § 145.221(c) (relating to timing requirements for CAIR NOx Ozone Season allowance allocations) to CAIR NOx Ozone Season units equal to the previous year's emissions at each unit, unless the unit has been issued allowances of the previous year's vintage in a regular allocation under § 145.221(b). The Department will allocate CAIR NOx allowances under this subsection of a vintage year that is 5 years later than the year in which the emissions were generated. The number of CAIR NOx Ozone Season allowances allocated shall not exceed the actual emission of the year preceding the year in which the Department makes the allocation. The allocation of these allowances to the new unit will not reduce the number of allowances the unit is entitled to receive under another provision of this subchapter.

(f) Allocations to qualifying resources. For each control period beginning with the 2010 control period, and thereafter, the Department will allocate CAIR NOx Ozone Season allowances to qualifying resources in this Commonwealth that are not also allocated CAIR NOx Ozone Season allowances under another provision of this subchapter, as follows:

(1) The Department will allocate CAIR NOx Ozone Season allowances to a renewable energy qualifying resource or

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demand side management energy efficiency qualifying resource in accordance with subsections (c) and (d) upon receipt by the Department of an application, in writing, on or before June 30 of the year following the control period, except for vintage year 2011 and 2012 NOx Ozone Season allowance allocations whose application deadline will be prescribed by the Department, meeting the requirements of this paragraph. The number of allowances allocated to the qualifying resource will be determined by converting the certified quantity of electric energy production, useful thermal energy, and energy equivalent value of the measures approved under the Pennsylvania Alternative Energy Portfolio Standard to equivalent thermal energy. Equivalent thermal energy is a unit's baseline heat input for allocation purposes. The conversion rate for converting electrical energy to equivalent thermal energy is 3,413 Btu/kWh. To receive allowances under this subsection, the qualifying resource must have commenced operation after January 1, 2005, must be located in this Commonwealth and may not be a CAIR NOx Ozone Season unit. The following procedures apply:

(i) The owner of a qualifying renewable energy resource shall appoint a CAIR-authorized account representative and file a certificate of representation with the EPA and the Department.

(ii) The Department will transfer the allowances into an account designated by the owner's CAIR-authorized account representative of the qualifying resource, or into an account designated by an aggregator approved by the Pennsylvania Public Utility Commission or its designee.

(iii) The applicant shall provide the Department with the corresponding renewable energy certificate serial numbers.

(iv) At least one whole allowance must be generated per owner, operator or aggregator for an allowance to be issued.

(g) The Department will correct any errors in allocations made by the Department and discovered after final allocations are made but before the next allocation cycle, in the subsequent allocation cycle using future allowances that have not yet been allocated.

 # 062 [25 Pa. Code §145.223.]

Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.370--96.375.

(a) By January 1, 2009, or by the date of commencing commercial operation, whichever is later, the owner or operator of the CAIR NOx Ozone Season unit shall install, calibrate, maintain and operate a wattmeter, measure gross electrical output in megawatt-hours on a continuous basis and record the output of the wattmeter. If a generator is served by two or more units, the information to determine the heat input of each unit for that control period shall also be recorded, so as to allow each unit's share of the gross electrical output to be determined. If heat input data are used, the owner or operator shall comply with the applicable provisions of 40 CFR Part 75 (relating to continuous emission monitoring).

(b) By September 1, 2008, for a CAIR NOx Ozone Season unit that is a cogeneration unit, and for a CAIR NOx Ozone Season unit with cogeneration capabilities, the owner or operator shall install, calibrate, maintain and operate meters for steam flow in lbs/hr, temperature in degrees Fahrenheit and pressure in PSI, to measure and record the useful thermal energy that is produced, in mmBtu/hr, on a continuous basis. The owner or operator of a CAIR NOx Ozone Season unit that produces useful thermal energy but uses an energy transfer medium other than steam, such as hot water or glycol, shall install, calibrate, maintain and operate the necessary meters to measure and record the data necessary to express the useful thermal energy produced, in mmBtu/hr, on a continuous basis. If the unit ceases to produce useful thermal energy, the owner or operator may cease operation of the meters, but operation of the meters shall be resumed if the unit resumes production of useful thermal energy.

(c) Beginning with 2009, the designated representative of the unit shall submit to the Department an annual report showing monthly gross electrical output and monthly useful thermal energy from the unit. The report is due by January 31 for the preceding calendar year.

(d) The owner or operator of a CAIR NOx Ozone Season unit shall maintain onsite the monitoring plan detailing the monitoring system and maintenance of the monitoring system, including quality assurance activities. The owner or operator of a CAIR NOx Ozone Season unit shall retain the monitoring plan for at least 5 years from the date that it is replaced by a new or revised monitoring plan. The owner or operator of a CAIR NOx Ozone Season unit shall provide the Department with a written copy of the monitoring plan by January 1, 2009, and thereafter within 3 calendar months of making updates to the plan.

(e) The owner or operator of a CAIR NOx Ozone Season unit shall retain records for at least 5 years from the date the record is created or the data collected as required by subsections (a) and (b), and the reports submitted to the Department and the EPA in accordance with subsections (c) and (d).

 # 063 [25 Pa. Code §145.8.]

Transition to CAIR NOx Trading Programs.

(a) Allowances. The final year for NOx allowance allocations to be made by the Department under §§ 145.41 and 145.42 (relating to timing requirements for NOx allowance allocations; and NOx allowance allocations) will be 2008. Allocations in

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2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 CFR Part 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs). CAIR NOx Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with Subchapter D (relating to CAIR NOx and SO2 Trading Programs).

(b) Termination and retirement of allowances. NOx allowances already allocated under this subchapter for 2009 or later are terminated and may not be used for compliance with the CAIR NOx Annual Trading Program or the CAIR NOx Ozone Season Trading Program, as those terms are defined in 40 CFR 96.102 and 96.302 (relating to definitions). By January 1, 2009, the Department will permanently retire the Commonwealth's non-EGU NOx Trading Program Budget of 3,619 allowances established in § 145.40 (relating to State Trading Program budget).

(c) Requirements replaced. The emission limitations and monitoring requirements established in Subchapter A (relating to NOx Budget Trading Program) are replaced by the requirements in Subchapter D beginning with the May 1, 2010, control period. If the owner or operator of a NOx budget unit or CAIR NOx Ozone Season unit, as defined in 40 CFR 96.302, has failed to demonstrate compliance with § 145.54 (relating to compliance), the provisions in 40 CFR 96.354 (relating to compliance with CAIR NOx emissions limitation) shall be used to withhold CAIR NOx Ozone Season allowances, as that term is defined in 40 CFR 96.302, in calendar year 2010 and beyond. If no CAIR NOx Ozone Season allowances are provided to the unit under § 145.221 (relating to timing requirements for CAIR NOx Ozone Season allowance allocations), the owner or operator of the unit shall acquire and retire a number of CAIR NOx Ozone Season allowances as specified in 40 CFR 96.354.

(d) N/A

 # 064 [40 CFR Part 72 Regulations on Permits §40 CFR 72.1]
Subpart A--Acid Rain Program General Provisions
Purpose and scope.

 # 065 [40 CFR Part 72 Regulations on Permits §40 CFR 72.3]
Subpart A--Acid Rain Program General Provisions
Measurements, abbreviations, and acronyms.

 # 066 [40 CFR Part 72 Regulations on Permits §40 CFR 72.4]
Subpart A--Acid Rain Program General Provisions
Federal authority.

 # 067 [40 CFR Part 72 Regulations on Permits §40 CFR 72.5]
Subpart A--Acid Rain Program General Provisions
State authority.

 # 068 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.1]
Subpart A--Background and Summary
Purpose and scope.

 # 069 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.12]
Subpart B--Allowance Allocations
Rounding procedures.

 # 070 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.30]
Subpart C--Allowance Tracking System
Allowance tracking system accounts.

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 # 071 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.31]
Subpart C--Allowance Tracking System
Establishment of accounts.

 # 072 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.32]
Subpart C--Allowance Tracking System
Allowance account contents.

 # 073 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.33]
Subpart C--Allowance Tracking System
Authorized account representative.

 # 074 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.34]
Subpart C--Allowance Tracking System
Recordation in accounts.

 # 075 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.35]
Subpart C--Allowance Tracking System
Compliance.

 # 076 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.36]
Subpart C--Allowance Tracking System
Banking.

 # 077 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.37]
Subpart C--Allowance Tracking System
Account error and dispute resolution.

 # 078 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.38]
Subpart C--Allowance Tracking System
Closing of accounts.

 # 079 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.50]
Subpart D--Allowance Transfers
Scope and submission of transfers.

 # 080 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.51]
Subpart D--Allowance Transfers
Prohibition.

Except as provided in 73.34(a) the Administrator will not record a transfer of allowances from a future year subaccount to a subaccount for an earlier year.

 # 081 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.70]
Subpart E--Auctions, Direct Sales, and Independent Power Producers Written Guarantee
Auctions.

 # 082 [40 CFR Part 73 Sulfur Dioxide Allowance System §40 CFR 73.71]
Subpart E--Auctions, Direct Sales, and Independent Power Producers Written Guarantee
Bidding.

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 # 083 [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.

(a) Permit requirements. (1) The CAIR designated representative of each CAIR NOx source required to have a Title V operating permit and each CAIR NOx unit required to have a Title V operating permit at the source shall:
(i) Submit to the permitting authority a complete CAIR permit application under §97.122 in accordance with the deadlines specified in §97.121; and
(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.
(2) The owners and operators of each CAIR NOx source required to have a Title V operating permit and each CAIR NOx unit required to have a Title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CC of this part for the source and operate the source and the unit in compliance with such CAIR permit.
(3) Except as provided in subpart II of this part, the owners and operators of a CAIR NOx source that is not otherwise required to have a Title V operating permit and each CAIR NOx unit that is not otherwise required to have a Title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CC of this part for such CAIR NOx source and such CAIR NOx unit.
(b) Monitoring, reporting, and recordkeeping requirements. (1) The owners and operators, and the CAIR designated representative, of each CAIR NOx source and each CAIR NOx unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HH of this part.
(2) The emissions measurements recorded and reported in accordance with subpart HH of this part shall be used to determine compliance by each CAIR NOx source with the CAIR NOx emissions limitation under paragraph (c) of this section.
(c) Nitrogen oxides emission requirements. (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOx source and each CAIR NOx unit at the source shall hold, in the source's compliance account, CAIR NOx allowances available for compliance deductions for the control period under §97.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx units at the source, as determined in accordance with subpart HH of this part.
(2) A CAIR NOx unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §97.170(b)(1), (2), or (5) and for each control period thereafter.
(3) A CAIR NOx allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NOx allowance was allocated.
(4) CAIR NOx allowances shall be held in, deducted from, or transferred into or among CAIR NOx Allowance Tracking System accounts in accordance with subparts EE, FF, GG, and II of this part.
(5) A CAIR NOx allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Annual Trading Program. No provision of the CAIR NOx Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §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 NOx allowance does not constitute a property right.
(7) Upon recordation by the Administrator under subpart EE, FF, GG, or II of this part, every allocation, transfer, or deduction of a CAIR NOx allowance to or from a CAIR NOx source's compliance account is incorporated automatically in any CAIR permit of the source.
(d) Excess emissions requirements. If a CAIR NOx source emits nitrogen oxides during any control period in excess of the CAIR NOx emissions limitation, then:
(1) The owners and operators of the source and each CAIR NOx unit at the source shall surrender the CAIR NOx allowances required for deduction under §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 this subpart, the Clean Air Act, and applicable State law.
(e) Recordkeeping and reporting requirements. (1) Unless otherwise provided, the owners and operators of the CAIR NOx source and each CAIR NOx unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.
(i) The certificate of representation under §97.113 for the CAIR designated representative for the source and each CAIR NOx

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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 5-year period until such documents are superseded because of the submission of a new certificate of representation under §97.113 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with subpart HH of this part, provided that to the extent that subpart HH of this part provides for a 3-year period for recordkeeping, the 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 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 of a CAIR NOx source and each CAIR NOx unit at the source shall submit the reports required under the CAIR NOx Annual Trading Program, including those under subpart HH of this part.
(f) Liability. (1) Each CAIR NOx source and each CAIR NOx unit 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 or the CAIR designated representative of a CAIR NOx source shall also apply to the owners and operators of such source and of the CAIR NOx units at the source.
(3) Any provision of the CAIR NOx Annual Trading Program that applies to a CAIR NOx unit or the CAIR designated representative of a CAIR NOx unit shall also apply to the owners and operators of such unit.
(g) Effect on other authorities. No provision of the CAIR NOx Annual Trading Program, a CAIR permit application, a CAIR permit, or an exemption under §97.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NOx source or CAIR NOx unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

 # 084 [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.

(a) Permit requirements. (1) The CAIR designated representative of each CAIR SO2 source required to have a Title V operating permit and each CAIR SO2 unit required to have a Title V operating permit at the source shall:
(i) Submit to the permitting authority a complete CAIR permit application under §97.222 in accordance with the deadlines specified in §97.221; and
(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.
(2) The owners and operators of each CAIR SO2 source required to have a Title V operating permit and each CAIR SO2 unit required to have a Title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CCC of this part for the source and operate the source and the unit in compliance with such CAIR permit.
(3) Except as provided in subpart III of this part, the owners and operators of a CAIR SO2 source that is not otherwise required to have a Title V operating permit and each CAIR SO2 unit that is not otherwise required to have a Title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CCC of this part for such CAIR SO2 source and such CAIR SO2 unit.
(b) Monitoring, reporting, and recordkeeping requirements. (1) The owners and operators, and the CAIR designated representative, of each CAIR SO2 source and each CAIR SO2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HHH of this part.
(2) The emissions measurements recorded and reported in accordance with subpart HHH of this part shall be used to determine compliance by each CAIR SO2 source with the CAIR SO2 emissions limitation under paragraph (c) of this section.
(c) Sulfur dioxide emission requirements. (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO2 source and each CAIR SO2 unit at the source 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 §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 subpart HHH of this part.
(2) A CAIR SO2 unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit(s monitor certification requirements under §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 paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR SO2 allowance was allocated.

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(4) CAIR SO2 allowances shall be held in, deducted from, or transferred into or among CAIR SO2 Allowance Tracking System accounts in accordance with subparts FFF, GGG, and III of this part.
(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 §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 subpart FFF, GGG, or III of this part, 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.
(d) 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 owners and operators of the source and each CAIR SO2 unit at the source shall surrender the CAIR SO2 allowances required for deduction under §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 this subpart, the Clean Air Act, and applicable State law.
(e) Recordkeeping and reporting requirements. (1) Unless otherwise provided, the owners and operators of the CAIR SO2 source and each CAIR SO2 unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.
(i) The certificate of representation under §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 5-year period until such documents are superseded because of the submission of a new certificate of representation under §97.213 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with subpart HHH of this part, provided that to the extent that subpart HHH of this part provides for a 3-year period for recordkeeping, the 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 of a CAIR SO2 source and each CAIR SO2 unit at the source shall submit the reports required under the CAIR SO2 Trading Program, including those under subpart HHH of this part.
(f) 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 or the CAIR designated representative of a CAIR SO2 source shall also apply to the owners and operators of such source and of the CAIR SO2 units at the source.
(3) Any provision of the CAIR SO2 Trading Program that applies to a CAIR SO2 unit or the CAIR designated representative of a CAIR SO2 unit shall also apply to the owners and operators of such unit.
(g) Effect on other authorities. No provision of the CAIR SO2 Trading Program, a CAIR permit application, a CAIR permit, or an exemption under §97.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO2 source or CAIR SO2 unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

 # 085 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.306]
Subpart AAAA - CAIR NOX Ozone Season Trading Program General Provisions
Standard requirements.

(a) Permit requirements. (1) The CAIR designated representative of each CAIR NOx Ozone Season source required to have a Title V operating permit and each CAIR NOx Ozone Season unit required to have a Title V operating permit at the source shall:
(i) Submit to the permitting authority a complete CAIR permit application under §97.322 in accordance with the deadlines specified in §97.321; and
(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

SECTION E. Source Group Restrictions.

(2) The owners and operators of each CAIR NOx Ozone Season source required to have a Title V operating permit and each CAIR NOx Ozone Season unit required to have a Title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CCCC of this part for the source and operate the source and the unit in compliance with such CAIR permit.
(3) Except as provided in subpart IIII of this part, the owners and operators of a CAIR NOx Ozone Season source that is not otherwise required to have a Title V operating permit and each CAIR NOx Ozone Season unit that is not otherwise required to have a Title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CCCC of this part for such CAIR NOx Ozone Season source and such CAIR NOx Ozone Season unit.
(b) Monitoring, reporting, and recordkeeping requirements. (1) The owners and operators, 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 subpart HHHH of this part.
(2) The emissions measurements recorded and reported in accordance with subpart HHHH of this part shall be used to determine compliance by each CAIR NOx Ozone Season source with the CAIR NOx Ozone Season emissions limitation under paragraph (c) of this section.
(c) Nitrogen oxides ozone season emission requirements. (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NOx Ozone Season allowances available for compliance deductions for the control period under §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 subpart HHHH of this part.
(2) A CAIR NOx Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §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 paragraph (c)(1) of this section, 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 subparts EEEE, FFFF, GGGG, and IIII of this part.
(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 §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.
(d) 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 owners and operators 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 §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 this subpart, the Clean Air Act, and applicable State law.
(e) Recordkeeping and reporting requirements. (1) Unless otherwise provided, the owners and operators of the CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.
(i) The certificate of representation under §97.313 for the CAIR designated representative for the source and each CAIR NOx Ozone Season 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 5-year period until such documents are superseded because of the submission of a new certificate of representation under §97.313 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with subpart HHHH of this part, provided that to the extent that subpart HHHH of this part provides for a 3-year period for recordkeeping, the 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

SECTION E. Source Group Restrictions.

Trading Program.
(2) The CAIR designated representative of a CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall submit the reports required under the CAIR NOx Ozone Season Trading Program, including those under subpart HHHH of this part.
(f) Liability. (1) Each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season 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 or the CAIR designated representative of a CAIR NOx Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NOx Ozone Season units at the source.
(3) Any provision of the CAIR NOx Ozone Season Trading Program that applies to a CAIR NOx Ozone Season unit or the CAIR designated representative of a CAIR NOx Ozone Season unit shall also apply to the owners and operators of such unit.
(g) 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 §97.305 shall be construed as exempting or excluding the owners and operators, 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.

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

SECTION E. Source Group Restrictions.

Group Name: G02

Group Description: Auxiliary Boilers

Sources included in this group

ID	Name
034	BABCOCK & WILCOX (AUXILIARY BOILER 1)
035	BABCOCK & WILCOX (AUXILIARY BOILER 2)

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 these combustion units in excess of 0.306 pounds per million Btu of heat input in accordance the following formula:

A = 3.6E^(-0.56)

where

A = Allowable emissions in pounds per million BTUs of heat input,

and

E = 81.6 = Heat input to the combustion unit in millions of BTUs per hour,

when E is equal to or greater than 50 but less than 600.

 # 002 [25 Pa. Code §123.22]

Combustion units

No person may offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in nonair basin areas which contains sulfur in excess of the applicable percentage by weight set forth in the following table:

Grades Commercial Fuel Oil	% Sulfur
No. 2 and Lighter (viscosity less than or equal to 5.820cSt)	0.5

 # 003 [25 Pa. Code §123.22]

Combustion units

The Owner/Operator shall not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from a boiler in excess of the rate of 4 pounds per million BTU of heat input over any 1-hour period. Compliance with this requirement ensures compliance with the applicable SIP standard for any one hour period. Compliance with this requirement specified in this streamline permit condition assures compliance with the provisions specified in the S.I.P. approved SO2 limits found in 40 CFR 52.2020(c)(1).

Operation Hours Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with RACT Operating Permit No. 30-000-099, Condition #4, operation of Auxillary Boilers #1 and #2 shall each not exceed a 5% annual heat input capacity factor. These units shall be operated and maintained in accordance with manufacturers' specifications and good air pollution control and engineering practices.

SECTION E. Source Group Restrictions.

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.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The Owner/Operator shall maintain records of operating hours and annual fuel consumption. These records shall be maintained on file for not less than five (5) years and shall be made available to the Department upon request.

 # 006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

In accordance with RACT Operating Permit No. 30-000-099, Condition #5, the Owner/Operator shall maintain an operating log for the Auxiliary Boilers #1 and #2 to verify that the annual capacity factor of Condition #004 of Section E, above is not exceeded. The following information shall be kept on site for not less than 5 years and be made available to the Department upon request:

1) Hours of operation,
2) Fuel consumption,
3) Fuel type, and
4) Typical analysis and properties of fuel.

V. REPORTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall verify particulate matter emission rates using the most recent AP-42 emission factors and fuel usage records.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

At a minimum, the Owner/Operator shall verify SO2 emission rates using the most recent AP-42 emission factors and fuel usage records.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7480]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What is the purpose of this subpart?

Industrial boilers and process heaters at this site are affected facilities for purposes of 40 CFR 63, Subpart DDDDD – National Emission Standards for Industrial, Commercial, Institutional (ICI) boilers and Process Heaters. Owner/Operator shall comply with all applicable requirements of 40 CFR §§ 63.7480 through 63-7474, including Tables and Appendices.

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

SECTION E. Source Group Restrictions.

Group Name: G03

Group Description: Emergency Internal Combustion Engines 40 CFR 63 Subpart ZZZZ Conditions

Sources included in this group

ID	Name
104	3 EMERGENCY GENERATORS

I. RESTRICTIONS.

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

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.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

This subpart applies to each affected source.
(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.
(1) Existing stationary RICE.
(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.
(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.
(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.
(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.
(2) New stationary RICE. (i) A stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after December 19, 2002.
(ii) A stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

SECTION E. Source Group Restrictions.

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.
(3) N/A
(b) Stationary RICE subject to limited requirements. (1) N/A
(2) N/A
(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:
(i) N/A
(ii) N/A
(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;
(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;
(v) N/A
(vi) N/A
(vii) N/A
(viii) N/A
(c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.
(1) N/A
(2) N/A
(3) N/A
(4) N/A
(5) N/A
(6) A new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;
(7) A new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.
[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010]

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

SECTION E. Source Group Restrictions.

Group Name: G04

Group Description: CI Emergency Engines <500 bhp, 40 CFR 60, Subpart IIII Conditions

Sources included in this group

ID	Name
110	FGD NO. 2 DIESEL FIRED EMERGENCY QUENCH PUMPS (3)
111	EMERGENCY FIRE PUMP ENGINE

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

The Emergency Quench Pumps (Source ID 110) and Emergency Fire Pump Engine (Source ID 111) shall be certified to meet the following emission standards in g/bhp-hr:

NMHC + NOx: 7.8
CO: 2.6
PM: 0.40

Operation Hours Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with plan approval #PA-30-00099F, the operating hours for each FGD No. 2 Diesel Fired Emergency quench pumps shall not exceed 500 hours in any consecutive 12-month period.

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.

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

IV. RECORDKEEPING REQUIREMENTS.

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

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 E. Source Group Restrictions.

VII. ADDITIONAL REQUIREMENTS.

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.
(1) N/A
(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:
(i) Manufactured after April 1, 2006, and are not fire pump engines, or
(ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.
(3) N/A
(4) The provisions of §60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.
(b) N/A
(c) N/A
(d) Stationary CI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR part 89, subpart J and 40 CFR part 94, subpart J, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.
(e) Owners and operators of facilities with CI ICE that are acting as temporary replacement units and that are located at a stationary source for less than 1 year and that have been properly certified as meeting the standards that would be applicable to such engine under the appropriate nonroad engine provisions, are not required to meet any other provisions under this subpart with regard to such engines.
[71 FR 39172, July 11, 2006, as amended at 76 FR 37967, June 28, 2011]

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.
(1) N/A
(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.
(b) N/A
(c) [Reserved]
(d) Beginning with the model years in table 3 to this subpart, stationary CI internal combustion engine manufacturers must certify their fire pump stationary CI ICE to the emission standards in table 4 to this subpart, for all pollutants, for the same model year and NFPA nameplate power.
(e) Stationary CI internal combustion engine manufacturers must certify the following emergency stationary CI ICE that are not fire pump engines to the certification emission standards for new marine CI engines in 40 CFR 94.8, as applicable, for all pollutants, for the same displacement and maximum engine power:
(1) Their 2007 model year through 2012 emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder;
(2) Their 2013 model year and later emergency stationary CI ICE with a maximum engine power greater than or equal to 3,700 KW (4,958 HP) and a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder;
(3) Their 2013 model year emergency stationary CI ICE with a displacement of greater than or equal to 15 liters per cylinder and less than 30 liters per cylinder; and
(4) Their 2014 model year and later emergency stationary CI ICE with a maximum engine power greater than or equal to 2,000 KW (2,682 HP) and a displacement of greater than or equal to 15 liters per cylinder and less than 30 liters per

SECTION E. Source Group Restrictions.

cylinder.
(f) N/A
(g) N/A
(h) Notwithstanding the requirements in paragraphs (a) through (f) of this section, stationary CI internal combustion engine manufacturers are not required to certify reconstructed engines; however manufacturers may elect to do so. The reconstructed engine must be certified to the emission standards specified in paragraphs (a) through (f) of this section that are applicable to the model year, maximum engine power and displacement of the reconstructed emergency stationary CI ICE.
[71 FR 39172, July 11, 2006, as amended at 76 FR 37968, June 28, 2011]

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.
[76 FR 37969, June 28, 2011]

 # 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?

The Emergency Quench Pumps (Source ID 110) and Emergency Fire Pump Engine (Source ID 111) shall only combust diesel fuel with a sulfur content not to exceed 15 ppm.

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) The permittee shall operate and maintain the engines according to manufacturer's written instructions or procedures. The engines shall be certified to meet the emission standards as specified in Table 4 under 40 CFR 60.4205(c).

(f) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. 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 non-emergency power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited.

SECTION E. Source Group Restrictions.

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

The permittee shall maintain records on-site of documentation from the manufacturer that the engines are certified to meet the emission standards. The permittee shall record the hours of operation of each engine and maintain all records for a period of at least five (5) years.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §Subpart IIII for Reg 40 Part 60 Table 4]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Emission Standards for Stationary Fire Pump Engines

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §Subpart IIII for Reg 40 Part 60 Table 8]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Applicability of General Provisions to Subpart IIII

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

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description
031	BABCOCK & WILCOX BOILER 1

Emission Limit			Pollutant
0.580	Lbs/MMBTU	30 day rolling avg.	NOX
19,080.000	Tons/Yr	con. 12 month pd. per stack	NOX
38,160.000	Tons/Yr	con. 12 month pd. total	NOX
0.325	Lbs/MMBTU	annual	SOX
0.450	Lbs/MMBTU	3-hr avg.	SOX
3.700	Lbs/MMBTU	30 day running average	SOX
4.000	Lbs/MMBTU	daily avg. not exceeded more than 2 days in running 30 day pd.	SOX
4.800	Lbs/MMBTU	daily avg. not exceeded any time	SOX
67.500	Tons/Yr	con. 12 month pd. per stack	VOC
135.000	Tons/Yr	con. 12 month pd. total	VOC

Source Id	Source Description
032	BABCOCK & WILCOX BOILER 2

Emission Limit			Pollutant
0.580	Lbs/MMBTU	30 day rolling avg.	NOX
19,080.000	Tons/Yr	con. 12 month pd. per stack	NOX
38,160.000	Tons/Yr	con. 12 month pd. total	NOX
0.325	Lbs/MMBTU	annual	SOX
0.450	Lbs/MMBTU	3-hr avg.	SOX
3.700	Lbs/MMBTU	30 day running average	SOX
4.000	Lbs/MMBTU	daily avg. not exceeded more than 2 days in running 30 day pd.	SOX
4.800	Lbs/MMBTU	daily avg. not exceeded any time	SOX
67.500	Tons/Yr	con. 12 month pd. per stack	VOC
135.000	Tons/Yr	con. 12 month pd. total	VOC

Source Id	Source Description
033	BABCOCK & WILCOX BOILER 3

Emission Limit			Pollutant
0.580	Lbs/MMBTU	30 day rolling avg.	NOX
19,080.000	Tons/Yr	con. 12 month pd. per stack	NOX
38,160.000	Tons/Yr	con. 12 month pd. total	NOX
0.325	Lbs/MMBTU	annual	SOX
0.450	Lbs/MMBTU	3-hr avg.	SOX
3.700	Lbs/MMBTU	30 day running average	SOX
4.000	Lbs/MMBTU	daily avg. not exceeded more than 2 days in running 30 day pd.	SOX
4.800	Lbs/MMBTU	daily avg. not exceeded any time	SOX
67.500	Tons/Yr	con. 12 month pd. per stack	VOC
135.000	Tons/Yr	con. 12 month pd. total	VOC

Source Id	Source Description
034	BABCOCK & WILCOX (AUXILIARY BOILER 1)

Emission Limit			Pollutant
0.306	Lbs/MMBTU	of heat input	PM10
4.000	Lbs/MMBTU	any 1 hour pd.	SO2

SECTION G. Emission Restriction Summary.

Source Id	Source Description
035	BABCOCK & WILCOX (AUXILIARY BOILER 2)

Emission Limit			Pollutant
0.306	Lbs/MMBTU	of heat input	PM10
4.000	Lbs/MMBTU	any 1 hour pd.	SO2

Source Id	Source Description
104	3 EMERGENCY GENERATORS

Emission Limit			Pollutant
0.040	gr/DRY FT3	(dscf)	PM10
500.000	PPMV	dry basis	SO2

Site Emission Restriction Summary

Emission Limit	Pollutant

SECTION H. Miscellaneous.

1) Heat input capacities listed in Section A. (Site Inventory) and Section D. (Source Level Requirements) are for informational purposes only and are not enforceable limits.

2) The following sources are designated as "Plant Fugitive Emissions Sources - Source ID #107" as identified in the submitted application:

Coal Pile Wind Erosion
Paved Roads
Unpaved Roads
Material Transfers
Conveyors
Crushers
Bulldozing
Grading
Fly Ash Handling/Disposal
Bottom Ash Handling/Disposal

3) The following sources are designated as "Wastewater Treatment System - Source ID #102" as identified in the submitted application:

Grit Chambers
Inflow Trenches
Ash Settling Basin
Clear Wells
Overflow Weirs
Outflow Trench
Neutralization Basin
Lagoon

4) The following sources are designated as "No. 2 Fuel Oil Storage Tanks - Source ID #101" as identified in the submitted application:

Tank #A2H
Tank #A3H
Tank #A8H
Tank #A9H

5) In addition to those listed by PA DEP, the following sources and activities at this facility are considered trivial due to their low emission levels; they have no additional applicable requirements:

Turbine Hydrogen Purge
Unit 1 - #11 Turbine Oil Reservoir Tank
Unit 2 - #12 Turbine Oil Reservoir Tank
Unit 2 Turbine Oil Filter Tank
Unit 2 - #21 Turbine Oil Reservoir Tank
Unit 2 - #22 Turbine Oil Reservoir Tank
Unit 3 Turbine Oil Filter Tank
Unit 3 - #31 Turbine Oil Reservoir Tank
Unit 3 - #32 Turbine Oil Reservoir Tank
Main Turbine Oil Reservoir Tank
Unit 1 Clean Turbine Oil Storage Tank
Unit 1 Dirty Turbine Oil Storage Tank
Unit 2 Clean Turbine Oil Storage Tank
Unit 2 Dirty Turbine Oil Storage Tank
Unit 3 Clean Turbine Oil Storage Tank
Unit 3 Dirty Turbine Oil Storage Tank
H_2SO_4 Storage Tank
(4) Dowtherm SR1 Storage Tank
Waste Oil Storage Tank

SECTION H. Miscellaneous.

(3) Kerosene Storage Tank
Gasoline Storage Tank
Caustic (NaOH) Tank
(2) Water Treatment Chemical Tanks (Calgon product)
Glycol Tanks
Lubrication Oil Reservoir Tanks
Hydraulic Oil Reservoir Tanks
Insulating Oil Tanks (Switchyard Transformers)
Combustion of waste oils with total halides less than 1,000 parts per million burned in the station boilers.

6) The following are de minimis emission activities which have occurred at the facility since the issuance of the previous Title V operating permit. These activities have been approved in accordance with 25 Pa. Code Section 127.450:

• De Minimis #30-00099A was approved for a 900 lbs per year increase in ammonia emissions in November 2006.

• De Minimis #30-00099C was approved for the installation of a replacement emergency diesel-fired fire pump in or around August 2007. The de minimis increase in sulfur dioxide emissions was less than 0.14 lbs/hr and 70 lbs/yr (0.04 tpy).

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