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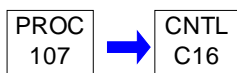
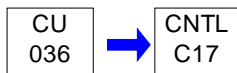
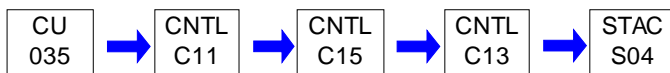
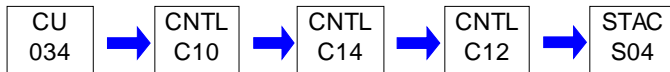
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
034	CFB BOILER 1	2,532.000	MMBTU/HR
035	CFB BOILER 2	2,532.000	MMBTU/HR
036	LIMESTONE DRYERS (4)		
103	EMERGENCY DIESEL GENERATOR ENGINE (685-BHP)		
104	SPACE HEATERS		
105	COOLING TOWER		
106	#2 FUEL OIL TANK (100,000 GALLON)		
107	MATERIAL HANDLING & OTHER FUGITIVE DUST SOURCES		
108	PHASE 3 MATERIAL HANDLING & SIZING EQPT		
109	DIESEL AIR COMPRESSOR ENGINE 1 (440-BHP)		
110	EMERGENCY BOILER FEEDWATER PUMP DIESEL ENGINE (600-BHP)		
111	EMERGENCY DIESEL FIREWATER PUMP ENGINE (265-BHP)		
112	DIESEL AIR COMPRESSOR ENGINE 2 (300-BHP)		
113	PORTABLE WATER PUMP DIESEL ENGINE (85-BHP)		
114	LIGHT TOWER DIESEL ENGINE (13.6-BHP)		
115	COLD CLEANING MACHINES (2 @ 30 GAL CAPACITY EACH)		
C10	UNIT 1 SNCR SYSTEM		
C11	UNIT 2 SNCR SYSTEM		
C12	UNIT 1 BOILER BAGHOUSE		
C13	UNIT 2 BOILER BAGHOUSE		
C14	UNIT 1 FLYASH REINJECTION		
C15	UNIT 2 FLYASH REINJECTION		
C16	MATERIAL HANDLING BAGHOUSE		
C17	LIMESTONE DRYER BAGHOUSES (4)		
S04	CFB BOILERS COMMON STACK		
S05	EMERGENCY FEEDWATER DIESEL ENGINE STACK		

PERMIT MAPS



PERMIT MAPS

PROC
110



STAC
S05

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

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

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

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

**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) N/A

(8) N/A

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), 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 either subsection (a)(9) or 129.15(c) 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 shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) 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.

(c) A person responsible for any source specified in subsections (a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter 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.

**SECTION C. Site Level Requirements**

(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.

(d) N/A

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 § 123.1(a)(1) -- (9) (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

In accordance with 25 Pa. Code, § 123.31, owner/operator shall not permit the emission of any malodorous air contaminants from any source in such a manner that the malodors, as determined by the Department, are detectable outside the owner/operator's property.

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:

- (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.

If the opacity limitations given by § 123.41 conflict with any other opacity limitation in this permit, the more stringent limitation applies.

006 [25 Pa. Code §129.14]

Open burning operations

(a) In air basins. – Not Applicable

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(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

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

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

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

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

**SECTION C. Site Level Requirements**

(4) Not applicable.

(5) Not applicable.

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

(7) A fire set solely for cooking food.

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

(1) As used in this subsection 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.

(2) Not applicable.

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, 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 or comply with subsection (b).

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[The Seward Generating Station is not located in an air basin.]

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

If, at any time, the Department has cause to believe that air contaminant emissions from the facility covered by this operating permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation, the Department shall require the permittee to conduct tests deemed necessary to demonstrate compliance. The permittee shall perform such testing in accordance with the applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the permittee is notified in writing, of the testing requirement.

008 [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.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 009 [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.

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

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

(a) The permittee shall conduct a daily inspection during daylight hours of sources covered by this permit that are operating at the facility to determine:

- (1) the presence of visible emissions.
- (2) the presence of visible fugitive emissions.
- (3) the presence of malodors beyond the boundaries of the facility.

(b) All detected visible emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.]

(a) The permittee shall keep records of the daily facility inspections. Records shall include the name of the person conducting the inspections, the date and time of the inspection, and the results of each inspection. If instances of unpermitted visible emissions, visible fugitive emissions and malodorous air emissions are observed, records shall be kept of the corrective action taken to abate same and/or to prevent future occurrences.

(b) These records shall be maintained in a logbook or equivalent recordkeeping approach, shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The Owner/Operator shall maintain monthly records of operating hours and fuel consumption for each source at this facility. Records shall include coal refuse, coal, fuel oil, ammonia, and limestone consumption. These records shall be used to calculate emissions for the sources at the facility and shall be used to determine compliance with emission limitations. The records and calculations shall be maintained on file for not less than five (5) years and shall be made available to the Department upon request.

013 [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.

**SECTION C. Site Level Requirements****V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.442]****Reporting requirements.**

(a) The owner or operator shall report each malfunction that occurs at this facility 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 citizen complaints to the Department. For purpose of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions that may result in citizen complaints include but are not limited to: large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property of the person on whose land the source is being operated.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or the environment, the notification shall be submitted to the Department no later than one hour after the incident. All other malfunctions that must be reported under subsection (a) shall be reported to the Department no later than the next business day.

(c) The report shall describe the:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction;
- (iii) time when the malfunction was first observed;
- (iv) expected duration of excess emissions; and
- (v) estimated rate of emissions.

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

(e) Subsequent to the malfunction, the owner/operator shall submit a full written report to the Department including the items identified in (c) and corrective measures taken on the malfunction within 15 days, if requested.

(f) The owner/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.

(g) 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

015 [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. 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.

016 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

With respect to reporting, the permit shall incorporate the applicable reporting requirements and require the following:

(1) Submittal of reports of required monitoring at least every 6 months. Instances of deviations from permit requirements shall be clearly identified in the reports. Required reports shall be certified by a responsible official.

**SECTION C. Site Level Requirements**

(2) Reporting of deviations from permit requirements within the time required by the terms and conditions of the permit including those attributable to upset conditions as defined in the permit, the probable cause of the deviations and corrective actions or preventive 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.

017 [25 Pa. Code §127.513]**Compliance certification.**

Owner/operator shall submit a Title V Compliance Certification for this facility by February 28 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. This Certification shall be submitted to both the Director, Air, Toxics, and Radiation of EPA, Region III and the Regional Air Quality Program Manager, PA DEP. The Title V Compliance Certification may be emailed to EPA Region III at R3_APD_Permits@epa.gov in lieu of mailing a hard copy. 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.

018 [25 Pa. Code §135.21]**Emission statements**

The owner or operator of each stationary source emitting oxides of nitrogen and/or VOCs 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 or the plant manager that the information contained in the statement is accurate.

019 [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 preceding 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.

020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]**Subpart A - General Provisions****Address.**

Owner /operator shall comply with all applicable notification and reporting requirements contained in 40 CFR, Part 60,

Subpart Da (Standards of Performance for Electric Utility Steam Generating Units) and;

Subpart Y (Standards of Performance for Coal Preparation and Processing Plants) and;

Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) and;

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

and contained in 40 CFR, Part 63,

Subpart ZZZZ (National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines.) and;

Subpart UUUUU (National Emission Standards for Hazardous Pollutants for Coal- and Oil-fired Electric Steam Utility Steam Generating Units).

In accordance with 40 CFR § 60.4 and 40 CFR § 63.13, copies of all requests, reports, applications, submittals and other communications shall be forwarded to both the Environmental Protection Agency and the Pennsylvania Department of Environmental Protection at the addresses shown below, unless otherwise noted:

**SECTION C. Site Level Requirements**

Director, Air, Toxics, and Radiation
 Environmental Protection Agency
 Region III
 Office of Air Quality
 1650 Arch Street
 Philadelphia, PA 19103

PA Department of Environmental Protection
 Regional Air Quality Program Manager
 400 Waterfront Drive
 Pittsburgh, PA 15222-4745

VI. WORK PRACTICE REQUIREMENTS.**# 021 [25 Pa. Code §127.444]****Compliance requirements.**

The owner/operator shall maintain and operate all the sources at this facility in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.**# 022 [25 Pa. Code §123.42]****Exceptions**

The limitations for opacity (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).
- (4) N/A.

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Compliance with the emission limits herein shall be demonstrated through engineering calculations based on fuel usage, hours of operation, fuel analysis, CEM data, stack testing, manufacturer's guarantee, AP-42, or other emission factors that are acceptable to the Department.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

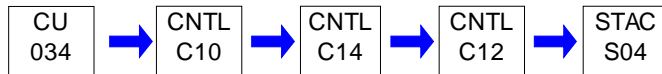
**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: CFB BOILER 1

Source Capacity/Throughput: 2,532.000 MMBTU/HR

Conditions for this source occur in the following groups: G01
G02

**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. *****



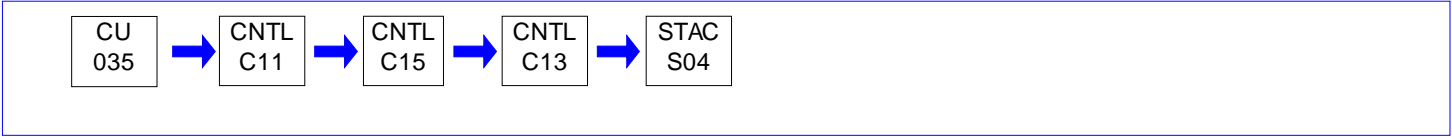
SECTION D. Source Level Requirements

Source ID: 035

Source Name: CFB BOILER 2

Source Capacity/Throughput: 2,532.000 MMBTU/HR

Conditions for this source occur in the following groups: G01
G02



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).

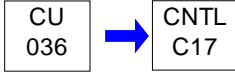
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: LIMESTONE DRYERS (4)

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner or Operator shall not permit the emission into the outdoor atmosphere of particulate matter emissions from the fuel or limestone handling and processing any stack emissions in a matter that the concentration of particulate matter in the effluent gas exceeds 0.02 gr/dscf.

[40 CFR § 60.672(a)(1), 25 Pa. Code § 127.1, and 25 Pa. Code § 127.12b, from Plan Approval, PA-32-00040B, Condition 12]

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.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants**Applicability and designation of affected facility.**

The Limestone Dryers (Source ID 036) are subject to the applicable requirements of 40 CFR Part 60, Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants.

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

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: EMERGENCY DIESEL GENERATOR ENGINE (685-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G03

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: 104

Source Name: SPACE HEATERS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter, at any time, in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas exceeds .04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

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

Throughput Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to condition #12 of Operating Permit 32-000-040 each space heater shall be limited to a maximum heat input of 20 MMBu/hr.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In accordance with condition #12 of Operating Permit 32-000-040 the total amount and type of fuel burned in these sources shall be recorded and used as the basis for annual reporting of the emissions.

Additionally, the fuel characteristics (sulfur content, btu heating value, etc.) shall also be recorded when used in determining emission rates.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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: 105

Source Name: COOLING TOWER

Source Capacity/Throughput:

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: 106

Source Name: #2 FUEL OIL TANK (100,000 GALLON)

Source Capacity/Throughput:

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.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.**

The Owner/Operator shall keep readily accessible records showing the dimensions of the #2 fuel oil storage tank and an analysis of the capacity of the #2 fuel oil storage tank.

[From Plan Approval, PA-32-00040B, Condition 24.]

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.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.110b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Applicability and designation of affected facility.**

The #2 Fuel Oil Tank (Source ID 106) is subject to the applicable requirements of 40 CFR Part 60, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984.

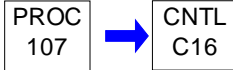
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: MATERIAL HANDLING & OTHER FUGITIVE DUST SOURCES

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

There shall be no fugitive emissions contrary to 25 Pa. Code §§ 123.1 and 123.2.

[From Plan Approval, PA-32-00040B, Condition 9.]

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The truck loading and unloading areas and the plant delivery roads shall be paved with asphalt, concrete, or an equivalent surface approved by the Department.

[From Plan Approval, PA-32-00040B, Condition 33.]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Road dust shall be controlled by a road sweeper and the use of water sprays, oils, or other dust surfactants including 250 feet of public highway on either side of the access road.

[From Plan Approval, PA-32-00040B, Condition 34.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The plant shall post and shall enforce a speed limit of 15 mph or less on all in-plant roads.

**SECTION D. Source Level Requirements**

[From Plan Approval, PA-32-00040B, Condition 37.]

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

A pressurized water truck shall be on site and in use when the facility is operating on an as needed basis acceptable to the Department.

[From Plan Approval, PA-32-00040B, Condition 35.]

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

All front-end loaders used to transfer and load coal and limestone shall maintain a minimal amount of drop from the front-end loader into bins or trucks so as to prevent fugitive emissions.

[From Plan Approval, PA-32-00040B, Condition 38.]

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

All conveyor belts shall be partially enclosed, and all screens and crushers shall be fully enclosed so as to prevent fugitive emissions from becoming airborne.

[From Plan Approval, PA-32-00040B, Condition 39.]

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Ash silos shall discharge through an ash conditioner which shall moisten the ash before it is loaded into trucks for disposal. Tanker truck pneumatic loading of dry ash is permitted.

[From Plan Approval, PA-32-00040B, Condition 40.]

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Coal and limestone shall not be stockpiled or loaded in any area that is not enclosed or adequately watered by the pressurized water truck and/or sprinkler system.

[From Plan Approval, PA-32-00040B, Condition 41.]

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

The plant shall post a sign stating and shall enforce the requirement that "All loaded trucks entering or exiting plant property shall be properly tarpaulin covered." The plant shall deny all non-tarped trucks access to the weigh station.

[From Plan Approval, PA-32-00040B, Condition 36.]

VII. ADDITIONAL REQUIREMENTS.**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.250]****Subpart Y - Standards of Performance for Coal Preparation Plants****Applicability and designation of affected facility.**

Coal processing and conveying systems that are part of Material Handling and Fugitive Dust Sources (Source ID 107) are subject to the applicable requirements of 40 CFR Part 60, Subpart Y - Standards of Performance for Coal Preparation and Processing Plants.

012 [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.**

**SECTION D. Source Level Requirements**

Limestone processing and conveying systems that are part of Material Handling and Fugitive Dust Sources (Source ID 107) are subject to the applicable requirements of 40 CFR Part 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

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

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: PHASE 3 MATERIAL HANDLING & SIZING EQPT

Source Capacity/Throughput:

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

Emissions from the Phase III Material Handling and Fuel Sizing Equipment (Source #108) shall be no greater than 11 tons/year of PM10 in any consecutive 12-month period.

[From Plan Approval, PA-32-00040B, Condition 15A.]

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

The Owner or Operator shall not permit the emission into the outdoor atmosphere of particulate matter emissions from the fuel handling and processing in a manner that the concentration of particulate matter in the effluent gas exceeds 0.02 gr/dscf.

[From Plan Approval, PA-32-00040B, Condition 12.]

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

All front-end loaders used to transfer and load coal shall maintain a minimal amount of drop from the front-end loader into bins or trucks so as to prevent fugitive emissions.

[From Plan Approval, PA-32-00040B, Condition 38.]

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

Coal shall not be stockpiled or loaded in any area that is not enclosed or adequately watered by the pressurized water truck and/or sprinkler system.

[From Plan Approval, PA-32-00040B, Condition 41.]

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

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.250]

Subpart Y - Standards of Performance for Coal Preparation Plants

Applicability and designation of affected facility.

The Phase 3 Material Handling and Sizing Equipment (Source ID 108) is subject to the applicable requirements of 40 CFR Part 60, Subpart Y - Standards of Performance for Coal Preparation and Processing Plants.

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

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: DIESEL AIR COMPRESSOR ENGINE 1 (440-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

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

Total NOx emissions from this Diesel Air Compressor Engine 1 (Source ID 109) shall be limited to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons in any consecutive 12-month period.

[From Plan Approval, PA-32-00040B, Condition 15B.]

The operators of the Seward Generating Station shall keep adequate monthly records of operation of this engine to ensure that these requirements are met.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

(a) N/A

(b) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in § 60.4201 for their 2007 model year and later stationary CI ICE, as applicable.

(c) N/A

(d) N/A

(e) Owners and operators of any modified or reconstructed non-emergency stationary CI ICE subject to this subpart must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed non-emergency stationary CI ICE that are specified in paragraphs (a) through (d) of this section.

(The following is from 40 CFR 60.4201)

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later non-emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 kilowatt (KW) (3,000 horsepower (HP)) and a displacement of less than 10 liters per cylinder to the certification emission standards for new nonroad CI engines in 40 CFR 89.112, 40 CFR 89.113, 40 CFR 1039.101, 40 CFR 1039.102, 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as applicable, for all pollutants, for the same model year and maximum engine power.

(The following is from 40 CFR 89.112)

(a) Exhaust emission from nonroad engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards contained in Table 1, as follows:

Rated Engine Power

Emissions shall not exceed the following:

4.0 g/kW-hr NMHC+NOx	(2.98 g/bhp-hr NMHC+NOx)
3.5 g/kW-hr CO	(2.61 g/bhp-hr CO)
0.20 g/kW-hr PM	(0.15 g/bhp-hr PM)

SECTION D. Source Level Requirements

(1 KW = 1.341 HP)

(The following is from 40 CFR 89.113)

(a) Exhaust opacity from compression-ignition nonroad engines for which this subpart is applicable must not exceed:

- (1) 20 percent during the acceleration mode;
- (2) 15 percent during the lugging mode; and
- (3) 50 percent during the peaks in either the acceleration or lugging modes.

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. *****

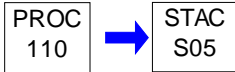
**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: EMERGENCY BOILER FEEDWATER PUMP DIESEL ENGINE (600-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

**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?**

(a) N/A

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

(c) N/A

(d) N/A

(e) Owners and operators of emergency stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests in-use must meet the NTE standards as indicated in 60.4212.

(f) Owners and operators of any modified or reconstructed emergency stationary CI ICE subject to this subpart must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed CI ICE that are specified in paragraphs (a) through (e) of this section.

(The following is from 40 CFR 60.4202)

(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) through (h) N/A

(The following is from 40 CFR 89.112)

(a) Exhaust emission from nonroad engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards contained in Table 1, as follows:

Rated Engine Power

**SECTION D. Source Level Requirements**

For >225 kW and <450 kW

Emissions shall not exceed the following:

4.0 g/kW-hr NMHC+NO_x (2.98 g/bhp-hr NMHC+NO_x)
 3.5 g/kW-hr CO (2.61 g/bhp-hr CO)
 0.20 g/kW-hr PM (0.15 g/bhp-hr PM)

(1 KW = 1.341 HP)

(The following is from 40 CFR 89.113)

(a) Exhaust opacity from compression-ignition nonroad engines for which this subpart is applicable must not exceed:

- (1) 20 percent during the acceleration mode;
- (2) 15 percent during the lugging mode; and
- (3) 50 percent during the peaks in either the acceleration or lugging modes.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the operation of the Emergency Boiler Feedwater Pump (Source #110) to a maximum of 500 hours per consecutive 12-month period.

[From Plan Approval, PA-32-00040B, Condition 15E.]

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).



SECTION D. Source Level Requirements

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 DIESEL FIREWATER PUMP ENGINE (265-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G03

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: 112

Source Name: DIESEL AIR COMPRESSOR ENGINE 2 (300-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.****7. Emissions Limits for Diesel Engines:**

a. Any diesel engine for which construction commenced prior to July 1, 1972: any diesel engine(s) operated may not, at any time, result in the emission of:

i. Visible emissions in excess of the limitations specified in 25 Pa. Code §123.41 (relating to limitations) as follows:

A. Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and

B. Equal to or greater than 60% at any time.

ii. Particulate matter in excess of 0.04 grain per dry standard cubic foot (dscf), when the effluent gas volume is less than 150,000 dry standard cubic feet per minute as specified in 25 Pa. Code §123.13 (c)(1)(i). Compliance with Condition 7.a.i. will be considered demonstration of compliance with the above particulate matter emission requirement of 0.04 grain per dscf.

iii. Sulfur oxides in such a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million by volume, dry basis. Compliance with sulfur content of the diesel fuel of 0.3% (by weight) or less would ensure compliance with this requirement.

iv. Odor emissions in such a manner that the malodors are detectable outside the property of the permittee as specified in 25 Pa. Code §123.31.

b. Any diesel engine for which construction commenced on or after July 1, 1972 and best available technology requirements have not been previously established:

i. If the diesel-fired internal combustion engine has an engine rating greater than 100 brake horsepower, the engine shall, at a minimum, comply with a Total Hydrocarbon (THC) emission standard of 1.0 gm/bhp-hr.

ii Diesel Compressor Engine 2 (Source ID 112) shall at a minimum comply with the NO_x emission standard of 6.9 gms/hp-hr.

iii Diesel Compressor Engine 2 (Source ID 112) shall be installed with CO Oxidation Catalyst that reduces emissions with a minimum of 90% control efficiency.

iv. The sulfur content in diesel fuel shall not, at any time exceed 0.3 percent (by weight).

v. The particulate matter emissions from each engine shall not exceed 0.4 gms/bhp-hr.

vi. Visible emissions from diesel engine(s) stacks shall not exceed the following limitations:

A. Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and

B. Equal to or greater than 30% at any time.

vii. Odor emissions in such a manner that the malodors are detectable outside the property of the permittee as specified in 25 Pa. Code §123.31.

**SECTION D. Source Level Requirements**

[From General Permit GPA/GP 9-Diesel or No. 2 Fuel-fired Internal Combustion Engines, GP9-32-00040, Condition 7.]

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]

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

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

(a) N/A

(b) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in § 60.4201 for their 2007 model year and later stationary CI ICE, as applicable.

(c) N/A

(d) N/A

(e) Owners and operators of any modified or reconstructed non-emergency stationary CI ICE subject to this subpart must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed non-emergency stationary CI ICE that are specified in paragraphs (a) through (d) of this section.

(The following is from 40 CFR 60.4201.)

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later non-emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 kilowatt (KW) (3,000 horsepower (HP)) and a displacement of less than 10 liters per cylinder to the certification emission standards for new nonroad CI engines in 40 CFR 89.112, 40 CFR 89.113, 40 CFR 1039.101, 40 CFR 1039.102, 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as applicable, for all pollutants, for the same model year and maximum engine power.

(The following is from 40 CFR 89.112)

(a) Exhaust emission from nonroad engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards contained in Table 1, as follows:

Rated Engine Power

For >130 kW and <225 kW

4.0 g/kW-hr NMHC+NO_x (2.98 g/bhp-hr NMHC+NO_x)

3.5 g/kW-hr CO (2.61 g/bhp-hr CO)

0.20 g/kW-hr PM (0.15 g/bhp-hr PM)

(1 KW = 1.341 HP)

(The following is from 40 CFR 89.113)

(a) Exhaust opacity from compression-ignition nonroad engines for which this subpart is applicable must not exceed:

- (1) 20 percent during the acceleration mode;
- (2) 15 percent during the lugging mode; and
- (3) 50 percent during the peaks in either the acceleration or lugging modes.

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the operation of the Diesel Air Compressor Engine 2 (Source #112) to a maximum of 3,999 hours per consecutive 12-month period.

[From General Permit GPA/GP 9-Diesel or No. 2 Fuel-fired Internal Combustion Engines, GP9-32-00040, Condition 7(b)(ii).]

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: 113

Source Name: PORTABLE WATER PUMP DIESEL ENGINE (85-BHP)

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 D. Source Level Requirements**

Source ID: 114

Source Name: LIGHT TOWER DIESEL ENGINE (13.6-BHP)

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 D. Source Level Requirements**

Source ID: 115

Source Name: COLD CLEANING MACHINES (2 @ 30 GAL CAPACITY EACH)

Source Capacity/Throughput:

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.**# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

SECTION D. Source Level Requirements

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) N/A.

(b) – (e) N/A.

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 E. Source Group Restrictions.**

Group Name: G01
 Group Description: CFB Boilers
 Sources included in this group

ID	Name
034	CFB BOILER 1
035	CFB BOILER 2

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

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

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

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

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

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

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

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

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

Pollutant	lbs/hr
NO _x	759.6
Filterable PM ₁₀	50.6
SO ₂	3038.4
CO	759.6
NM _{VOC} (as propane)	25.4
NH ₃	32.9

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

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

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

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

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

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

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

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

Pollutant	lb/MMBtu
NOx	0.15
Filterable PM10	0.01
SO2	0.6
CO	0.15
NM VOC (as propane)	0.005

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

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

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

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

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

Pollutant	tons/year
NOx	3,327
Filterable PM10	222
SO2	13,308
CO	3,327
NM VOC (as propane)	111
NH3	144

during each consecutive 12-month period, updated monthly.

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

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

1. The permittee shall conduct an initial source test for filterable PM-10 from the combined stack of Boiler #1 and Boiler #2, within four (4) calendar quarters of the issuance of this Operating Permit and subsequent source tests shall be conducted at least every two (2) years. Stack testing conducted within the two (2) year period prior to the issuance of this TVOP may be used to meet the requirements of this condition. However, should either CFB Boiler qualify as a Low Emitting EGU (LEE) for filterable particulate under 40 CFR 63.10005(h), subsequent testing for particulate, PM10, and PM2.5 shall take place within every three (3) year period, for as long as the unit continues to qualify as a LEE for filterable particulate under 40 CFR Part 63, Subpart UUUUU. Should the unit cease to qualify as a LEE for filterable particulate, under this subpart, a two (2) year testing cycle shall be reestablished.

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

3. All testing shall be performed while Source IDs 034 and 035 are operating at no less than 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

**SECTION E. Source Group Restrictions.**

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), Subpart Da and the most current version 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, Methods 5, 201A, and 202 shall be used to determine filterable particulate matter (FPM), filterable PM10, and condensable PM emission concentrations (grains/dscf) and emission rates (lbs/hour and lbs/MMBTU).
- c. 40 CFR 60, Appendix A, Method 19 shall be used to determine the emission rates 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 a minimum of 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. FF – Unit differential pressure [inches H2O]
- i. FF – Compartment differential pressures [inches H2O]
- j. Current draw of draft fans [amps]
- k. 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.

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

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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/ecommm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, one copy of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 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.

III. MONITORING REQUIREMENTS.**# 008 [25 Pa. Code §123.25]****Monitoring requirements**

(a) (This section is applicable to the CFB Boilers at the Seward Station.):

(b) A source subject to this section shall install, operate and maintain continuous SO₂ monitoring systems in compliance with Chapter 139 Subchapter C (relating to requirements for 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.

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

(d) N/A.

(e) 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.

(f) N/A.

(g) 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.

009 [25 Pa. Code §123.46]**Monitoring requirements**

(a) (This section is applicable to the CFB Boilers at the Seward Station.):

(b) All sources subject to the provisions of this section shall install, operate and maintain continuous opacity monitoring devices in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for stationary sources). Results of opacity monitoring shall be submitted to the Department on a regular basis in compliance with the requirements of Chapter 139, Subchapter C.

(c) N/A.

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

(e) N/A.

**SECTION E. Source Group Restrictions.****# 010 [25 Pa. Code §123.51]****Monitoring requirements**

(a) This section applies to combustion units with a rated heat input of 250 million Btus per hour or greater and with an annual average capacity factor of greater than 30%.

(b) Sources subject to this section 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).

(c) 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.

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

(e) - (f) N/A.

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

The Owner or Operator shall install, operate, and maintain a monitoring system for as-fired coal analysis in accordance with the requirements of 25 PA Code Chapter 139 or an alternate method approved by the Department. Sulfur analysis shall be determined on a daily basis with the results used to calculate monthly averages.

[From Plan Approval, PA-32-00040B, Condition 22.]

012 [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 upscale calibration error checks should be conducted immediately prior to maintenance, if possible.
2. Zero and upscale calibration error checks must be conducted immediately following any maintenance.
3. If the post maintenance zero or calibration error checks show calibration error in excess of twice the applicable performance specification, recalibration must be conducted in accordance with quarterly linearity 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 upscale calibration error 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 upscale calibration error performance specification are exceeded.
3. The zero calibration error 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 error check must be conducted at a measurement level at or between 40% and 100% of measurement device range unless an alternative level can be demonstrated to better represent normal source operating levels.

[From Department's Continuous Source Monitoring Manual (Revision No. 8), Quality Assurance Section, Subsections I.C.1 and 1.D.1.]

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Approval of alternatives to these procedures (e.g., those per 40 CFR Part 75 [Acid Rain Program]) may be requested via submittal to the Chief of the Division of Source Testing and Monitoring, Bureau of Air Quality (BAQ). The Department has the authority to determine which alternatives are applicable. [From Department's Continuous Source Monitoring Manual (Revision No. 8), Applicability Section]

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

From Department's Continuous Source Monitoring Manual (Revision No. 8), Quality Assurance Section, Subsection I.E.

(a) At least once in every four calendar quarters in which the source operates for 168 hours or more, or within 720 source operating hours after the close of such four quarters, the permittee shall conduct a System Performance Audit in accordance with the relative accuracy test audit procedures listed in the Department's Continuous Source Monitoring Manual.

(b) When eight consecutive calendar quarters elapse after the last System Performance Audit, a System Performance Audit must be conducted within 720 source-operating hours.

(c) Notification of System Performance Audit testing must be provided to the Department's Source Testing and Monitoring, Continuous Emission Monitoring Section at least 21 days prior to testing.

(d) Departmental approval must be obtained prior to the testing.

(e) A periodic self-audit conducted for purposes of meeting the requirements of the Department's Continuous Source Monitoring Manual may not be conducted within 6 months of the previous successful periodic self-audit on the same existing, previously approved monitoring system to which no changes have been made.

014 [25 Pa. Code §139.103]**Opacity monitoring requirements.**

This section applies to sources monitoring opacity.

(1) Opacity measurements shall be converted to represent plume opacity as described in the manual referenced in § 139.102(3) (relating to references). The conversion method shall be approved by the Department.

(2) Opacity monitoring systems shall meet at least one of the following minimum data availability requirements unless other data availability requirements are stipulated elsewhere in this title for a particular process:

(i) At least 90% of the hours in each calendar month shall be valid hours as set forth in the quality assurance section of the manual referenced in § 139.102(3).

(ii) At least 95% of the hours in each calendar quarter shall be valid hours as set forth in the quality assurance section of the manual referenced in § 139.102(3).

IV. RECORDKEEPING REQUIREMENTS.**# 015 [25 Pa. Code §139.101]****General requirements.**

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

1) All data shall be reduced to one-hour averages on a clock basis. 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;

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- c) The cause, time periods, and magnitudes of all exceedances;
- d) Data and results for all performance tests, audits, and recalibrations;
- e) Records of 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;

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

[From Department's Continuous Source Monitoring Manual (Revision No. 8), Recordkeeping and Reporting Section, Subsections I.A.]

V. REPORTING REQUIREMENTS.

016 [25 Pa. Code §135.4]

Report format

In accordance with the Department's "Continuous Source Testing Manual," the owner or operator shall submit to the Department calendar 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 tests, audits and recalibrations conducted during the quarter. The report certified by the responsible official shall be submitted to the Division of Source Testing and Monitoring, Continuous Testing Section at the following address, within thirty (30) days following the end of each quarter in accordance with the Department's Continuous Source Monitoring Manual requirements.
- 3) Subsequent data report changes must be submitted in in accordance with the Department's Continuous Source Monitoring Manual requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.531 and 127.511.]

[From Department's Continuous Source Monitoring Manual (Revision No. 8), Recordkeeping and Reporting Section, Subsections I.B.]

VI. WORK PRACTICE REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Owner or Operator shall install, maintain, and operate the boilers in accordance with the manufacturer's specifications.

[From Plan Approval, PA-32-00040B, Condition 31.]

VII. ADDITIONAL REQUIREMENTS.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for permit condition (a) is also derived from 40 CFR § § 64.3 & 64.6.]

(a) The permittee shall adhere to the following range to provide reasonable assurance of compliance with the filterable PM10 emission limit. A departure from the specified indicator range shall be defined as an excursion:

- (1) Filterable PM10 emissions are calculated by the DAHS using opacity, exhaust flow, CO2 concentration data and the Opacity vs. Particulate Correlation curve. An excursion of the calculated filterable PM-10 emission rate is defined as a 3-

**SECTION E. Source Group Restrictions.**

hour block average, where the rate is greater than 0.009 Lbs per MMBtu.

[Additional authority for permit conditions (b)-(d) is also derived from 40 CFR §64.3.]

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

(1) The permittee shall, for opacity measuring devices, maintain detector(s) or sensor(s) at locations approved by the Department for obtaining data that are representative of the baghouses exhaust gas opacity.

(2) The permittee shall develop verification procedures to confirm the operational status of new or modified monitoring equipment prior to commencement of the monitoring process.

(3) The permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

(c) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

(d) The permittee shall ensure that at least 90% of the monitoring data in a calendar month, or at least 95% of the monitoring data in a calendar quarter, has been properly and accurately collected.

[Additional authority for permit condition (e) is also derived from 40 CFR §64.4.]

(e) The permittee shall submit an implementation plan and schedule if the opacity indicator requires installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after the issuance date of this permit.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for permit conditions (a)-(e) is also derived from 40 CFR §64.8]

(a) The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if six or more excursions occur in a six-month reporting period.

(b) In general, the QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained within the QIP exceeds 180 days from the date on which the need to implement the QIP was determined. If the QIP requirement is triggered in accordance with paragraph (a) of this section, the QIP shall be developed within sixty (60) days thereafter and a final copy of the QIP shall be submitted to the Department at that time.

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

- (1) Improved preventative maintenance practices
- (2) Process operation changes
- (3) Appropriate improvements to control methods
- (4) Other steps appropriate to correct performance

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

- (1) Address the cause of the control device performance problem; or
- (2) Provide adequate procedures for correcting control device performance problems as expeditiously as practicable in

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accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any Federal, State, or Local laws or any other applicable requirements under the Clean Air Act.

[Additional authority for permit condition (f) is also derived from 40 CFR §64.9.]

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

020 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for permit conditions (a)-(c) is also derived from 40 CFR § 64.3 & 64.6.]

(a) The permittee shall use the opacity readings to obtain data and monitor the emission control equipment performance.

(b) The permittee shall use a Continuous Opacity Monitor (COM) to measure opacity downstream of the baghouses.

(c) The permittee shall monitor the aforementioned performance indicator on a continuous basis.

[Additional authority for permit conditions (a)-(c) is also derived from 40 CFR §64.3.]

(d) For the purposes of determining an excursion, the permittee shall collect opacity data points over one hour blocks.

021 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for permit condition (a) is also derived from 40 CFR §64.9 & §70.6 (a) (3) (iii) (A).]

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

022 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for permit conditions (a)-(d) is also derived from 40 CFR §64.9.]

(a) The permittee shall continuously record opacity, exhaust flow and CO₂ concentration readings using the data acquisition system (DAS).

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

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

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

[Additional authority for permit condition (e) is also derived from 40 CFR §70.6 (a) (3) (ii) (b).]

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

023 [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.

**SECTION E. Source Group Restrictions.**

(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 NO_x, that meets the requirements of this chapter, the Clean Air Act and the 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.

024 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.2]

Sections of PART 64

Applicability

[Authority for this condition is also derived from 40 CFR Part 64, Compliance Assurance Monitoring (CAM)]

Compliance Assurance Monitoring (CAM) Protocol

The purpose of this protocol is to outline procedures for the development, verification, operation, and ongoing maintenance of a continuous monitoring approach sufficient to demonstrate a reasonable assurance that Unit 1 and Unit 2 Boiler Baghouses (Source IDs C12 and C13) used to control the PM emissions from the CFB Boilers (Source IDs 034 and 035) operate in compliance with the filterable PM₁₀ emission limit.

Monitoring designed and operated in accordance with this protocol for a baghouse controlling PM emissions with an exhaust stack equipped with a continuous opacity monitoring system (COM) satisfies the requirements of the CAM rule's monitoring design criteria in 40 CFR Part 64.

**SECTION E. Source Group Restrictions.**

I. Indicator - Opacity of the single, combined baghouse exhaust

Measurement Approach - Continuous Opacity Monitoring System (COM)

II. Indicator Range

(a) The opacity indicator must be established at or below an opacity level where the baghouses have demonstrated at least a 10 percent margin of compliance with the filterable PM10 limit.

(b) Hourly average opacity value must be established to prevent momentary parameter changes from causing an excursion.

III. Performance Criteria

(a) Data Representativeness

(1) The % opacity measured by the COMs is proportional to the amount of particulate matter (PM) in the combined exhaust stream of the baghouses. Opacity shall be correlated to the mass emission rate through an approved particulate testing program which has been performed during routine, normal operations. Properly maintained baghouses emit particulate at a constant rate. This emission rate cannot be changed by modification of operational parameters. Therefore, the correlation of the particulate emission rate with opacity of the flue gas will be based on a single test.

(2) The % opacity will also act as a direct indication of the integrity of the baghouses and the various components involved. Further, baghouse integrity is representative of the particulate emission rate. The COM is located in the single flue, combined exhaust stack. The COM shall have a minimum accuracy as specified in PADEP's Continuous Source Monitoring Manual.

(b) Verification of Operational Status

(1) The operation of the COM shall be verified by a display in the control room and the presence of a valid opacity signal on the COM readout and the results of the initial performance evaluation conducted as per 25 Pa. Code 139.

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

(c) QA/QC Practices

Install and evaluate the COM per 25 Pa. Code 139.

To assure the accuracy of readings from the COM, the permittee shall perform daily drift checks, a quarterly calibration audit, and an annual RATA.

(d) Data Collection Procedures & Averaging Periods

(1) An electronic data handling and acquisition system (DAHS) shall collect data points from the COM approximately every 10 seconds. These % opacity data points are reduced to 1-minute averages and then to 1-hour averages. Overall averaging period is in one-hour blocks.

(2) An electronic DAHS shall collect data points from the flow meter and CO2 CEM approximately every second. The flow rate minute averages shall be calculated from the 1-second data. Hourly data shall be calculated from the minute data. Monitor response time shall be less than 15 minutes.

(3) An electronic DAHS shall collect a minimum of 4 equally-spaced data points every hour as per the requirements of 40 CFR §64.3 (b) (4) (ii). PM emission rates will be calculated using the Opacity vs. Particulate Correlation curve and indicator inputs, with hourly average PM emission rates used to calculate 3-hour block averages to demonstrate with reasonable assurance that the filterable PM10 emission limits are being met.

**SECTION E. Source Group Restrictions.****# 025 [40 CFR Part 72 Regulations on Permits §40 CFR 72.1]****Subpart A--Acid Rain Program General Provisions****Purpose and scope.**

The CFB Boilers are subject to the Title IV Acid Rain Program of the 1990 Clean Air Act Amendments, and shall comply with all applicable provisions of that Title, including the following:

- 40 CFR Part 72 Permits Regulations
- 40 CFR Part 73 Sulfur Dioxide Allowance System
- 40 CFR Part 75 Continuous Emissions Monitoring
- 40 CFR Part 77 Excess Emissions

The entire Title IV permit is attached to this Title V permit.

026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.9981]**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units****Am I subject to this subpart?**

The two CFB Boilers (Source IDs 034 and 035) are affected sources for the purposes of National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units. As the owner and operator of Source IDs 034 and 035, the permittee shall comply with all applicable requirements codified in 40 CFR Part 63 Subpart UUUUU, 40 CFR §§ 63.9980 through 63.10042, including Tables and Appendices.

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

**SECTION E. Source Group Restrictions.**

Group Name: G02

Group Description: CFB Boilers (PA CAIR Conditions)

Sources included in this group

ID	Name
034	CFB BOILER 1
035	CFB BOILER 2

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 [25 Pa. Code §145.204.]****Incorporation of Federal regulations by reference.**

(a) Except as otherwise specified in this subchapter, the provisions of the CAIR NO_x Annual Trading Program, found in 40 CFR Part 96 (relating to NO_x budget trading program and CAIR NO_x 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 NO_x 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.

002 [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

**SECTION E. Source Group Restrictions.**

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.

003 [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

**SECTION E. Source Group Restrictions.**

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 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.

**SECTION E. Source Group Restrictions.**

(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:

$$AA = [EA * X (0.013 * BNA)] / TRA$$

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.

**SECTION E. Source Group Restrictions.****# 004 [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).

005 [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.

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(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 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

**SECTION E. Source Group Restrictions.**

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.

006 [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).

007 [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

**SECTION E. Source Group Restrictions.**

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 Sec. 97.122 in accordance with the deadlines specified in Sec. 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 Sec. 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 Sec. 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 Sec. 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.

**SECTION E. Source Group Restrictions.**

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 Sec. 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 Sec. 97.113 for the CAIR designated representative for the source and each CAIR NOx 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 Sec. 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 Sec. 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.

**# 008 [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.

**SECTION E. Source Group Restrictions.**

(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 Sec. 97.222 in accordance with the deadlines specified in Sec. 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 Sec. 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 Sec. 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.

(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 Sec. 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.

**SECTION E. Source Group Restrictions.**

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 Sec. 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 Sec. 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 Sec. 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 Sec. 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.

**# 009 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.306]
Subpart AAAA - CAIR NO_x Ozone Season Trading Program General Provisions
Standard requirements.**

Permit requirements.

**SECTION E. Source Group Restrictions.**

(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 Sec. 97.322 in accordance with the deadlines specified in Sec. 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.

(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 Sec. 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 Sec. 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 Sec. 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

**SECTION E. Source Group Restrictions.**

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 Sec. 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 Sec. 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 Sec. 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 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.

**SECTION E. Source Group Restrictions.**

No provision of the CAIR NOx Ozone Season Trading Program, a CAIR permit application, a CAIR permit, or an exemption under Sec. 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: G03

Group Description: Existing Emergency Diesel Engines (Source IDs 103 & 111)

Sources included in this group

ID	Name
103	EMERGENCY DIESEL GENERATOR ENGINE (685-BHP)
111	EMERGENCY DIESEL FIREWATER PUMP ENGINE (265-BHP)

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

No person may permit the emission into the outdoor atmosphere of particulate matter, at any time, in excess of the rate in such a manner that the concentration of particulate matter in the effluent gas from each engine exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

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

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

Source ID 103 and Source ID 111 shall comply with the following, beginning May 3, 2013:

Compliance with the numerical emission limitations established in this subpart (Subpart ZZZZ) is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in § 63.6620 and Table 4 to this subpart.

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 1b and Table 2b to this subpart that apply to you.

(b) N/A.

Operation Hours Restriction(s).**# 004 [25 Pa. Code §129.93]****Presumptive RACT emission limitations**

Each emergency diesel engine shall be limited to operating no greater than 500 hours in any consecutive 12-month period.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations and operating limitations?**

Source ID 103 and Source ID 111 shall comply with the following, beginning May 3, 2013:

(1) You must operate the emergency stationary RICE according to the following requirements:

(a) There is no time limit on the use of emergency stationary RICE in emergency situations. (However, compliance must also be maintained with Condition #004.)

(b) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing,

**SECTION E. Source Group Restrictions.**

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.

(c) You may operate your emergency stationary RICE 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 engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent.

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.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

Source ID 103 shall comply with the following for the entire term of this Operating Permit. Source ID 111 shall comply with the following, beginning May 3, 2013:

(1) If you must comply with the emission and operating limitations, you must keep the following records:

(a) Records of the occurrence and duration of each malfunction of operation.

(b) Records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning engine its normal or usual manner of operation.

(2) Records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE according to your own maintenance plan.

(3) Records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations and operating limitations in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and

**SECTION E. Source Group Restrictions.**

monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

Source ID 103 shall comply with the following for the entire term of this Operating Permit. Source ID 111 shall comply with the following, beginning May 3, 2013:

- (1) You must operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:
- (2) You must install a non-resettable hour meter if one is not already installed.
- (3) You must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
- (4) You must also:
 - (a) Change oil and filter every 500 hours of operation or annually, whichever comes first;
 - (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
 - (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- (5) You have the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

VII. ADDITIONAL REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source ID 103 and Source ID 111 are subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines ZZZZ, effective May 3, 2013.

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

**SECTION E. Source Group Restrictions.**

Group Name: G04

Group Description: NSPS Diesel Engines (Source IDs 109, 110, 112, 113, and 114)

Sources included in this group

ID	Name
109	DIESEL AIR COMPRESSOR ENGINE 1 (440-BHP)
110	EMERGENCY BOILER FEEDWATER PUMP DIESEL ENGINE (600-BHP)
112	DIESEL AIR COMPRESSOR ENGINE 2 (300-BHP)
113	PORTABLE WATER PUMP DIESEL ENGINE (85-BHP)
114	LIGHT TOWER DIESEL ENGINE (13.6-BHP)

I. RESTRICTIONS.**Fuel Restriction(s).****# 001 [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?**

(a) N/A.

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

(The following requirement is from 40 CFR 80.510)

(a) N/A.

(b) Beginning June 1, 2010. Except as otherwise specifically provided in this subpart, all NR (nonroad) and LM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(ii) N/A.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(c) through (k) N/A.

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

The owner/operator shall install a non-resettable hour meter on each engine (Source IDs 109, 110, 112, 113, and 114) if one is not already installed and record the hours of operation of each engine.

**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).

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.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]
Subpart III - 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 § 60.4205 over the entire life of the engine.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - 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) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) through (g) N/A.

VII. ADDITIONAL REQUIREMENTS.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?**

The Diesel Air Compressor Engine 1 (Source ID 109), Emergency Boiler Feed Water Diesel Engine (Source ID 110), Diesel Air Compressor Engine 2 (Source ID 112), Portable Water Pump Diesel Engine (Source ID 113), and Portable Light Tower Diesel Engine (Source ID 114) are subject to the applicable requirements of 40 CFR Part 60, Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Internal Combustion Engines.

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

1. The capacities/throughputs listed in Section A, D, and E for informational purposes only and are not enforceable conditions.
2. The following description of the emission processes at Seward is for information purposes only:

This Operating Permit authorizes the Operation of an Electrical Generation Power Plant known as the Seward Generating Station, located in East Wheatfield Township, Indiana County. The main sources at this facility are two (2) circulating fluidized bed (CFB) waste coal-fired boilers (Source IDs 034 and 035), with nominal fuel heat inputs of 2,532 MMBtu/hour, each, which power a single electrical generator with a nameplate capacity of 525-MW. Emissions from the CFB boilers are controlled by limestone fed into the fluidized bed to control SO₂ emissions, selective non-catalytic reduction systems (SNCR) and low combustion temperatures to control NO_x emissions, flash dryer absorber (FDA), coarse particulate cyclone separation with reinjection into the bed, followed by pulsejet cleaned fabric filters to control PM emissions and further control SO₂ emissions. Collection of SO₂ and acid gases, including hydrochloric acid and hydrofluoric acid by calcium in the limestone takes place in the boiler. FDA, cyclone, and fabric filter. Run-of-mine virgin coal is also burned in the boilers as necessary, and No. 2 fuel oil is combusted during startup and emergencies.

Supporting equipment at this site includes one 685-bhp emergency diesel generator engine, one 600-bhp emergency diesel boiler feedwater engine, one 265-bhp emergency diesel firewater pump engine, two diesel air compressor engines (440-bhp & 300-bhp), a 100,000 gal fuel oil storage tank, coal and limestone processing, handling, and conveying equipment including a fuel barn, four fuel oil-fired limestone dryers, with a total heat input capacity of 68 MMBtu per hour, and plant roads.

3. The Owner or operator, in accordance with 25 PA Code 127.208, 127.209 & 127.211, secured by approved ERC registry transaction 72 VOC ERCs before commencement of operation of the CFB Boilers. The total ERCs represented a facility net potential emissions increase of 62 tons per year times the 1.15 offset ratio for the repowering project. On October 9, 2001 the Pennsylvania Department of Environmental Protection approved the transfer of 72 tpy of VOC credits from Rexam Beverage Can Company to Reliant Energy Seward, LLC, and revised the ERC registry to reflect this transaction. These ERCs were used by Reliant Energy Seward, LLC in accordance with the requirements of 25 PA Code Chapter 127.

[From Plan Approval, PA-32-00040B, Condition 6.]

4. The following have been identified as insignificant sources/activities at this facility:

- General Storage Tanks (as defined in the application)
- HAPs Storage Tanks (as defined in the application)
- Fly Ash Handling System (as defined in the application)
- Cylinder Gases for CEMs (as defined in the application)
- Water Treatment Systems (as defined in the application)
- Support Systems Equipment (as defined in the application)
- Battery Room
- Cooling Tower
- Transformers
- Lube Oil Reservoir Vapor Extractors
- Misc. Building Vents (as defined in the application)
- Misc. Vented Equipment (as defined in the application)
- Contractor Equipment (as defined in the application)
- Auger Sampling Fabric Filter
- Lime Silo Fabric Filter
- Coal Sampling System Fabric Filter (as defined in the application)
- Misc. Solvent Usage (as defined in the application)
- Ethylene Glycol Usage (as defined in the application)

5. The following have been identified as additional Responsible Officials for the GenOn Wholesale Generation, LP – Seward Generating Station:

Jay Bellingham – General Manager
Dickerson Generating Station

**SECTION H. Miscellaneous.**

21200 Martinsburg Road
Dickerson, MD 20842
Telephone: (301) 601-6521

Mark Gouveia – Vice President, Plant Operations
Chalk Point Generating Station
25100 Chalk Point Road
Aquasco, MD 20608
Telephone: (301) 870-7706

This Title V Operating Permit was amended on August 26, 2013 to change the name of the owner from GenOn Wholesale Generation, LP to NRG Wholesale Generation LP.

This Title V Operating Permit was amended on February 10, 2014 to change the name of the Responsible Official from Gregory J. Mitchell to Alan R. Metzler.



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