



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: July 12, 2018

Effective Date: July 12, 2018

Expiration Date: July 12, 2023

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

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

TITLE V Permit No: 54-00008

Federal Tax Id - Plant Code: 23-2366929-1

Owner Information

Name: NORTHEASTERN POWER CO

Mailing Address: PO BOX 7
MCADOO, PA 18237-0007

Plant Information

Plant: NORTHEASTERN POWER CO/MCADOO COGEN

Location: 54 Schuylkill County 54933 Kline Township

SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: DONALD RUPP

Title: DIRECTOR PLANT OPERATIONS

Phone: (570) 929 - 3242

Permit Contact Person

Name: ROBERT COIT

Title: EHS MANAGER

Phone: (570) 929 - 3242 Ext.8

[Signature] _____

MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER

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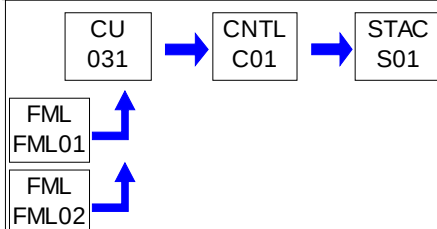
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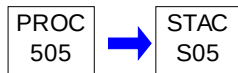
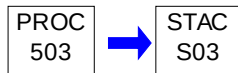
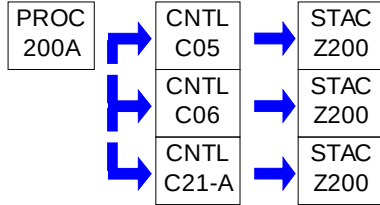
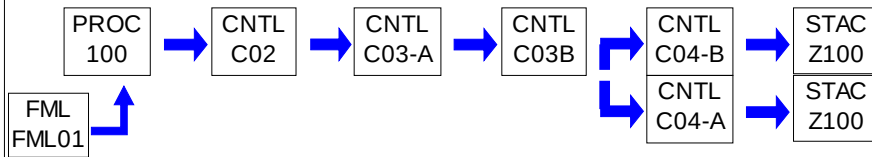
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	COMBUSTION ENG/LURGI	750.000 MMBTU/HR	
100	FUEL PREPARATION SYSTEM		
200	ASH HANDLING SYSTEM		
200A	FLY ASH TOP		
200B	BOTTOM ASH		
300	LIMESTONE MATERIALS HANDLING		
400	POWER SCREEN		
503	465 HP DIESEL GENERATOR (PLANT)		
505	196 HP DIESEL FIRE PUMP		
C03-B	SECONDARY FUELS BAGHOUSE B(CRUSHER DEK)		
C01	COMBUSTION ENG CYL/BGHSE		
C02	PRIMARY FUEL CRUSHING DUST COLLECTOR		
C03-A	SECONDARY FUELS BAGHOUSE A (SILO CONY)		
C03B	SECONDARY FUELS BAGHOUSE B		
C04-A	NEW FUELS BAGHOUSE #1		
C04-B	NEW FUELS BAGHOUSE #2		
C05	ASH TRANSPORT BAGHOUSE #1		
C06	ASH TRANSPORT BAGHOUSE #2		
C21-A	FLY ASH SILO BIN VENT FILTER		
C21B2	BOTTOM ASH SILO BIN VENT FILTER		
C30-A	LIMESTONE SILO BIN VENT FILTER		
C400	WATER SPRAYS		
FML01	CULM STORAGE		
FML02	FUEL OIL TANK		
S01	STACK - COMBUSTION ENG/LURGI		
S03	STACK - GENERATOR		
S05	STACK - FIRE PUMP		
Z100	FUGITIVE EMISSIONS - FUEL PREP		
Z200	FUGITIVE EMISSIONS - ASH HANDLING		
Z300	FUGITIVE EMISSIONS - LIMESTONE HAND		
Z400	FUGITIVE EMISSIONS		

PERMIT MAPS



PERMIT MAPS



SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

#004 [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.

#005 [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.

#006 [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.

#007 [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.

#008 [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.

#009 [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.

#010 [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

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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.

#011 [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.

#012 [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.

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#014 [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

SECTION B. General Title V Requirements

25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [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). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

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

#017 [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.

#018 [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).

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(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).

#019 [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.

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(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

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

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

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

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

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

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

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

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

#020 [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).

#021 [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,

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the device or technique may be used for control of malodors.

#022 [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.

#023 [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.

#024 [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.

#025 [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 #022(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.

#026 [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 #022 of this section.

#027 [25 Pa. Code § 127.3]

Operational Flexibility

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

- (1) Section 127.14 (relating to exemptions)

SECTION B. General Title V Requirements

- (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)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

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

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

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

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

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

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

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

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

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

SECTION B. General Title V Requirements

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 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).

#029 [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.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

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

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

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

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

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

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

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

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

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Sources and classes of sources other than those identified in paragraphs (1)-(6), 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.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in SECTION C - Condition #001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]

Limitations

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

004 [25 Pa. Code §123.41]

Limitations

(a) 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.

005 [25 Pa. Code §123.42]

Exceptions

- (a) The limitations of SECTION C - Condition #004 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 SECTION C - Condition #001.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §139.1]

Sampling facilities.

If requested by the Department, the permittee shall conduct performance (stack) tests in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department. The permittee will provide adequate sampling ports, safe

SECTION C. Site Level Requirements

sampling platforms, and adequate utilities for the performance by the Department of tests on such source(s). 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.

007 [25 Pa. Code §139.11]

General requirements.

(a) The following provisions are applicable to source tests for determining emissions from stationary sources:

(1) Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(2) The Department will consider for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum all of the following:

- (i) A thorough source description, including a description of any air cleaning devices and the flue.
- (ii) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions which may affect emissions from the process.
- (iii) The location of the sampling ports.
- (iv) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (v) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (vi) Laboratory procedures and results.
- (vii) Calculated results.

008 [25 Pa. Code §139.2]

Sampling by others.

(a) Sampling and testing done by persons other than the Department may be accepted by the Department provided that:

- (1) The Department has been given reasonable notice of the sampling and testing and has been given reasonable opportunity to observe and participate in the sampling and testing.
- (2) The sampling and testing is conducted under the direct supervision of persons qualified, by training and experience, to conduct such sampling and testing.
- (3) Procedures for the sampling and testing are in accord with the provisions of this chapter.
- (4) The reports of the sampling and testing are accurate and comprehensive.

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §123.43]

Measuring techniques

(a) 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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

VISIBLE, FUGITIVE, AND MALODOR EMISSIONS

(a) The permittee shall conduct daily inspections of the facility perimeter, during daylight hours when the plant is in operation, to detect visible, fugitive, and malodor emissions as follows:

- (1) Visible emissions in excess of the limits stated in SECTION C - Condition #004.

SECTION C. Site Level Requirements

(i) Visible emissions may be measured according to the methods specified in SECTION C - Condition #009, or alternatively, plant personnel who observe any visible emissions in excess of SECTION C - Condition #004 will report the incident of visible emissions to the Department within four (4) hours of each incident and make arrangements for a certified observer to verify the opacity of the emissions.

(2) The presence of fugitive emissions visible beyond the boundaries of the facility, as stated in SECTION C - Condition #002.

(3) The presence of malodor emissions beyond the boundaries of the facility, as stated in SECTION C - Condition #003.

011 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall monitor the quantity and type of fuel burned. The type of fuel shall be determined by certified fuel tests provided by the supplier or through certified testing conducted through the permittee. This testing shall, at a minimum, detail the sulfur and ash content of the fuel.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

FUGITIVE, VISIBLE, AND MALODOR EMISSIONS

(a) The permittee shall, at the conclusion of each daily inspection, record all occurrences of visible and fugitive emissions, and malodors which deviate from the limitations of SECTION C - Conditions #002, #003, and #004.

(b) The permittee shall record any and all corrective actions taken to abate each recorded deviation or prevent future occurrences.

013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a logbook of the facility inspections performed. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of visible emissions limitations, visible fugitive emissions limitations and malodorous air emissions limitations, and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall maintain fuel certification, fuel usage, and facility emission records at the facility. These records shall be updated on a monthly basis and the emissions shall be calculated on a 12-month rolling sum. All records shall be maintained for a period of not less than five (5) years and shall be made available to the Department upon request.

015 [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.

016 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

FUGITIVE AND VISIBLE EMISSIONS

(a) On a quarterly basis, the permittee shall compile a report of all logged instances of deviation from the fugitive and visible emission limitations that occurred and the actions taken in response to them. This report shall be submitted to the Department.

(b) If no deviations have been logged during the reported period, this report shall be retained at the facility and made available to the Department upon request.

(c) All quarterly reports shall be submitted based on the time periods of January 1 - March 31, April 1 - June 30, July 1 - September 30, and October 1 - December 31. Such reports shall be submitted to the Department within thirty (30) days of the end of each quarterly reporting period.

017 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The company, within one (1) hour of discovery of an occurrence, shall notify the Department of any malfunction, recordkeeping and reporting errors, or other possible non-compliance issues, which result in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulations contained in Article III of the Rules and Regulations of the Department of Environmental Protection.

(b) A written report shall be submitted to the Department within five (5) working days following the incident describing the malfunction, recordkeeping, and reporting error or other non-compliance issue and the corrective actions being taken. The Department may take enforcement action for any violations of the applicable standards.

018 [25 Pa. Code §127.513]

Compliance certification.

The reporting period for the certificate of compliance required by SECTION B - Condition #026 shall be for the previous calendar year and it shall be submitted within 60 days after the specified period but no later than March 1st.

019 [25 Pa. Code §135.3]

Reporting

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit an annual Air Information Management System (AIMS) report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

(b) A person who receives initial notification by the Department that an annual AIMS report is necessary shall submit an initial annual AIMS report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) A 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.

VI. WORK PRACTICE REQUIREMENTS.

020 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

SECTION C. Site Level Requirements

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

021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The use of any in-plant roads associated with the permit sources shall not result in the emission of fugitive particulate matter in excess of the limitation specified in section 123.1 and 123.2 of the Rules and Regulations of the Department of Environmental Protection.

022 [25 Pa. Code §129.14]

Open burning operations

- (a) 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.
- (b) Exceptions: The requirements of subsections (a) 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.
 - (4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
 - (5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.
 - (6) A fire set solely for recreational or ceremonial purposes.
 - (7) A fire set solely for cooking food.

VII. ADDITIONAL REQUIREMENTS.

023 [25 Pa. Code §121.7]

Prohibition of air pollution.

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001 through 4015).

024 [25 Pa. Code §121.9]

Circumvention.

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 article, except that with prior approval of the Department, the device or technique may be used for control of malodors.

025 [25 Pa. Code §127.512]

Operating permit terms and conditions.

SECTION C. Site Level Requirements

The facility is subject to requirements under the Cross State Air Pollution Rule (CSAPR).

(40 CFR 97.430 through 97.435" (TR NO_x Annual Trading Program), 97.530 through 97.535" (TR NO_x Ozone Season Trading Program), 97.630 through 97.635 (TR SO₂ Trading Program), and/or "97.730 through 97.735" (TR SO₂ Trading Program).

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

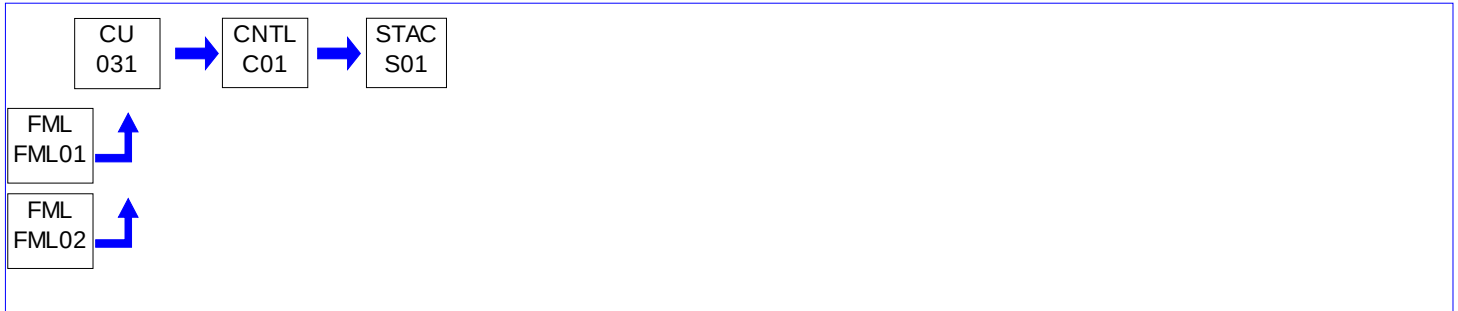
SECTION D. Source Level Requirements

Source ID: 031

Source Name: COMBUSTION ENG/LURGI

Source Capacity/Throughput: 750.000 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 03
GROUP 04



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 127.83 and 40 CFR Part 52, Section 52.21 (j)(2) for Control Technology Review. This condition also assures compliance with NSPS, Subpart Da 60.42Da(a) and 25 Pa. Code, Section 123.11 (a)(3)]

The concentration of Particulate matter (expressed as TSP) in the effluent gases from SOURCE ID 031 shall not exceed 0.03 pounds per million BTU heat input.

002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §129.97 - RACT 2]. PLEASE REFER TO GROUP 04 FOR ADDITIONAL REQUIREMENTS.

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The nitrogen oxide (NOx) emissions from SOURCE ID 031 shall not exceed 0.16 pounds per million Btu of heat input (based upon a rolling 30-day average).

003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code, Section 127.83 and 40 CFR Part 52, Section 52.21 (j)(2) for Control Technology Review. This condition also assures compliance with NSPS-Subpart Da 60.43Da(a), NESHAP - Subpart UUUUU, and 25 Pa. Code, Section 123.22 (a)(4) and the 1972 SIP requirement of 123.22].

The concentration of Sulfur Oxides (expressed as SO2) in the effluent gases from SOURCE ID 031 shall not exceed 0.20 lb./MMBtu heat input on a 30 day rolling average. THIS IS THE MOST STRINGENT LIMIT OBTAINED FROM THE EGU MACT - SUBPART UUUUUU TABLE 2 THEREFORE IS APPLICABLE.

004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 127.83 and 40 CFR Part 52, Section 52.21(j)(2) for Control Technology Review. This condition also assures compliance with NSPS Subpart Da and 25 Pa. Code, Section

SECTION D. Source Level Requirements

123.41].

(a) This source shall be regulated under SECTION C - Condition #004 for the opacity and in addition shall be regulated for opacity as follows:

(1) Shall not exhibit greater than 20 % opacity (6 minutes average), except for one 6-minute period per hour of not more than 27 % opacity.

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.9991].

What emission limitations, work practice standards, and operating limits must I meet?

(a) You must meet the requirements in paragraphs (a)(1) and (2) of this section. You must meet these requirements at all times.

(1) You must meet each emission limit and work practice standard in Table 1 through 3 to this subpart that applies to your EGU, for each EGU at your source, except as provided under §63.10009.

(2) NA.

(b) As provided in §63.6(g), the Administrator may approve use of an alternative to the work practice standards in this section.

(c) You may use the alternate SO₂ limit in Tables 1 and 2 to this subpart only if your EGU:

(1) Has a system using wet or dry flue gas desulfurization technology and an SO₂ continuous emissions monitoring system (CEMS) installed on the EGU; and

(2) At all times, you operate the wet or dry flue gas desulfurization technology and the SO₂ CEMS installed on the EGU consistent with §63.10000(b).

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23402, Apr. 19, 2012; 81 FR 20180, Apr. 6, 2016]

From Table 3 - Work Practice Standards:

1. An existing EGU: Conduct a tune-up of the EGU burner and combustion controls at least each 36 calendar months, or each 48 calendar months if neural network combustion optimization software is employed, as specified in §63.10021(e).

2. N/A.

3. A coal-fired, liquid oil-fired (excluding limited-use liquid oil-fired subcategory units), or solid oil-derived fuel-fired EGU during startup.

a. You have the option of complying using either of the following work practice standards:

(1) If you choose to comply using paragraph (1) of the definition of "startup" in §63.10042, you must operate all CMS during startup. Startup means either the first-ever firing of fuel in a boiler for the purpose of producing electricity, or the firing of fuel in a boiler after a shutdown event for any purpose. Startup ends when any of the steam from the boiler is used to generate electricity for sale over the grid or for any other purpose (including on site use). For startup of a unit, you must use clean fuels as defined in §63.10042 for ignition. Once you convert to firing coal, residual oil, or solid oil-derived fuel, you must engage all of the applicable control technologies except dry scrubber and SCR. You must start your dry scrubber and SCR systems, if present, appropriately to comply with relevant standards applicable during normal operation. You must comply with all applicable emissions limits at all times except for periods that meet the applicable definitions of startup and shutdown in this subpart. You must keep records during startup periods. You must provide reports concerning activities and startup periods, as specified in §63.10011(g) and §63.10021(h) and (i).

(2) NA.

b. N/A.

c. If you choose to use just one set of sorbent traps to demonstrate compliance with the applicable Hg emission limit, you must comply with the limit at all times; otherwise, you must comply with the applicable emission limit at all times except for startup and shutdown periods.

SECTION D. Source Level Requirements

d. You must collect monitoring data during startup periods, as specified in §63.10020(a) and (e). You must keep records during startup periods, as provided in §§63.10032 and 63.10021(h). You must provide reports concerning activities and startup periods, as specified in §§63.10011(g), 63.10021(i), and 63.10031.

4. A coal-fired, liquid oil-fired (excluding limited-use liquid oil-fired subcategory units), or solid oil-derived fuel-fired EGU during shutdown You must operate all CMS during shutdown. You must also collect appropriate data, and you must calculate the pollutant emission rate for each hour of shutdown for those pollutants for which a CMS is used. While firing coal, residual oil, or solid oil-derived fuel during shutdown, you must vent emissions to the main stack(s) and operate all applicable control devices and continue to operate those control devices after the cessation of coal, residual oil, or solid oil-derived fuel being fed into the EGU and for as long as possible thereafter considering operational and safety concerns. In any case, you must operate your controls when necessary to comply with other standards made applicable to the EGU by a permit limit or a rule other than this Subpart and that require operation of the control devices. If, in addition to the fuel used prior to initiation of shutdown, another fuel must be used to support the shutdown process, that additional fuel must be one or a combination of the clean fuels defined in §63.10042 and must be used to the maximum extent possible, taking into account considerations such as not compromising boiler or control device integrity. If, in addition to the fuel used prior to initiation of shutdown, another fuel must be used to support the shutdown process, that additional fuel must be one or a combination of the clean fuels defined in §63.10042 and must be used to the maximum extent possible, taking into account considerations such as not compromising boiler or control device integrity.

Relative to the syngas not fired in the combustion turbine of an IGCC EGU during shutdown, you must either: NA.

You must comply with all applicable emission limits at all times except during startup periods and shutdown periods at which time you must meet this work practice. You must collect monitoring data during shutdown periods, as specified in §63.10020(a). You must keep records during shutdown periods, as provided in §§63.10032 and 63.10021(h). Any fraction of an hour in which shutdown occurs constitutes a full hour of shutdown. You must provide reports concerning activities and shutdown periods, as specified in §§63.10011(g), 63.10021(i), and 63.10031.

[81 FR 20196, Apr. 6, 2016]

006 [25 Pa. Code §127.512] Operating permit terms and conditions.

The permittee shall comply with Title 25, Chapter 145 NOx Budget Trading Program as follows:

Allowance - Source 031 - 188 Tons.

007 [25 Pa. Code §127.512] Operating permit terms and conditions.

(a) This source shall combust culm as its primary fuel with a simultaneous firing of #2 fuel oil and/or anthracite coal during start up and flame stabilization conditions. Maximum fuel firing capacity of #2 fuel oil is 176 MMBTU/hr.

(b) Flame stabilization conditions are temporary periods when the boiler steam output fall below required steam output to maintain proper running conditions of the steam condenser.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR subpart 63.9991] SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units What emission limitations, work practice standards, and operating limits must I meet?

TABLE 2 TO SUBPART UUUUU OF PART 63—EMISSION LIMITS FOR EXISTING EGUS

As stated in §63.9991, you must comply with the following applicable emission limits, work practice standards, and requirements as appropriate (e.g., specified sampling volume or test run duration) and limitations with the test methods in Table 5 to this Subpart.

(1) Coal-fired unit not low rank virgin coal.

SECTION D. Source Level Requirements

- (a) Filterable particulate matter (PM); 3.0E-2 lb/MMBtu or 3.0E-1 lb/MWh²; Collect a minimum of 1 dscm per run.
- (b) Sulfur dioxide (SO₂); 2.0E-1 lb/MMBtu or 1.5E0 lb/MWh; SO₂ CEMS - based on a rolling 30 day average.
- (c) Mercury (Hg): 1.2E0 lb/TBtu or 1.1E-2 lb/GWh; LEE Testing for 30 days with a sampling period consistent with that given in section 5.2.1 of Appendix A to this subpart per Method 30B at Appendix A-8 to part 60 of this chapter run or Hg CEMS or sorbent trap monitoring system only.

Note:

Source ID 031 is subject to the more stringent emission limits for Particulate Matter (EGU MACT - SUBPART UUUUU TABLE 2 - PM limit of 0.03 Lb./MMBtu) and Sulfur Dioxide (EGU MACT - SUBPART UUUUUU TABLE 2 - Limit of 0.20 Lb./MMBtu). THESE ARE THE MORE STRINGENT LIMITS THEREFORE ARE APPLICABLE.

Fuel Restriction(s).

009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The Fluidized Bed Boiler shall burn only anthracite culm or up to 25% anthracite coal/anthracite culm blend.

II. TESTING REQUIREMENTS.

010 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall obtain and test a representative sample of culm used to fuel the boiler. This representative sample shall be collected by taking one (1) grab sample every 12 hours from the crushed fuel going into the boiler. A representative sample of the composite shall be taken and tested on a weekly basis to determine the fuel characteristics. The fuel characteristics to be determined shall include, but not limited to, the following:

- (1) The heating value (Btu/lb)
- (2) The percent (%) sulfur content, by weight
- (3) The percent (%) ash content, by weight

Testing shall be done in accordance with applicable ASTM test method and 25 Pa. Code, Chapter 139. Measurements, records, and other data shall be maintained in accordance with SECTION B - General Title V Condition #023.

011 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall perform an analysis of each shipment of No.2 fuel oil delivered to the facility. A representative sample shall be obtained and tested. The fuel characteristics to be determined shall include, but not be limited to, the following:

- (1) The percent (%) sulfur content, by weight.
- (2) The percent (%) ash content, by weight.
- (3) Heat content in BTU per gallon.

(b) If the supplier of the oil can provide certification of the values of the fuel characteristics mentioned in section (a) (specific to each shipment of No.2 Fuel Oil delivered to the facility), the permittee may substitute such certification for the analysis of a representative sample.

012 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall maintain the Opacity Analyzer in accordance with the Quality Assurance and Performance Testing procedures specified in the most current publication of the DEP Continuous Source Monitoring Manual, and 25 Pa. Code, Chapter 139, Subpart C (relating to requirements for continuous in-stack monitoring for stationary sources).

SECTION D. Source Level Requirements

(b) The permittee shall maintain the Sulfur Dioxide and Nitrogen Oxide analyzers in accordance with the quality Assurance and Performance Testing procedures specified in the most current publication of the DEP Continuous Source Monitoring Manual, and in accordance with 25 Pa. Code, Chapter 139, Subchapter C.

(c) The permittee shall maintain the Carbon Dioxide or Oxygen analyzers in accordance with the Quality Assurance and Performance Testing procedures specified in the most current publication of the DEP Continuous Source Monitoring Manual, and in accordance with 25 Pa. Code, Chapter 139, Subchapter C.

013 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.10007].

What methods and other procedures must I use for the performance tests?

(a) Except as otherwise provided in this section, you must conduct all required performance tests according to §63.7(d), (e), (f), and (h). You must also develop a site-specific test plan according to the requirements in §63.7(c).

(1) If you use CEMS (Hg, HCl, SO₂, or other) to determine compliance with a 30- (or, if applicable, 90-) boiler operating day rolling average emission limit, you must collect quality- assured CEMS data for all unit operating conditions, including startup and shutdown (see §63.10011(g) and Table 3 to this subpart), except as otherwise provided in §63.10020(b). Emission rates determined during startup periods and shutdown periods (as defined in §63.10042) are not to be included in the compliance determinations, except as otherwise provided in §§63.10000(c)(1)(vi)(B) and 63.10005(a)(2)(iii).

(2) If you conduct performance testing with test methods in lieu of continuous monitoring, operate the unit at maximum normal operating load conditions during each periodic (e.g., quarterly) performance test. Maximum normal operating load will be generally between 90 and 110 percent of design capacity but should be representative of site specific normal operations during each test run.

(3) For establishing operating limits with particulate matter continuous parametric monitoring system (PM CPMS) to demonstrate compliance with a PM or non Hg metals emissions limit, operate the unit at maximum normal operating load conditions during the performance test period. Maximum normal operating load will be generally between 90 and 110 percent of design capacity but should be representative of site specific normal operations during each test run.

(b) You must conduct each performance test (including traditional 3-run stack tests, 30-boiler operating day tests based on CEMS data (or sorbent trap monitoring system data), and 30-boiler operating day Hg emission tests for LEE qualification) according to the requirements in Table 5 to this subpart.

(c) NA.

(d) Except for a 30-boiler operating day performance test based on CEMS (or sorbent trap monitoring system) data, where the concept of test runs does not apply, you must conduct a minimum of three separate test runs for each performance test, as specified in §63.7(e)(3). Each test run must comply with the minimum applicable sampling time or volume specified in Table 1 or 2 to this subpart. Sections 63.10005(d) and (h), respectively, provide special instructions for conducting performance tests based on CEMS or sorbent trap monitoring systems, and for conducting emission tests for LEE qualification.

(e) To use the results of performance testing to determine compliance with the applicable emission limits in Table 1 or 2 to this subpart, proceed as follows:

(1) Except for a 30-boiler operating day performance test based on CEMS (or sorbent trap monitoring system) data, if measurement results for any pollutant are reported as below the method detection level (e.g., laboratory analytical results for one or more sample components are below the method defined analytical detection level), you must use the method detection level as the measured emissions level for that pollutant in calculating compliance. The measured result for a multiple component analysis (e.g., analytical values for multiple Method 29 fractions both for individual HAP metals and for total HAP metals) may include a combination of method detection level data and analytical data reported above the method detection level.

(2) If the limits are expressed in lb/MMBtu or lb/TBtu, you must use the F-factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 in appendix A-7 to part 60 of this chapter. In cases where an appropriate F-factor is not listed in Table 19-2 of Method 19, you may use F-factors from Table 1 in section 3.3.5 of appendix F to part 75 of this chapter,

SECTION D. Source Level Requirements

or F-factors derived using the procedures in section 3.3.6 of appendix to part 75 of this chapter. Use the following factors to convert the pollutant concentrations measured during the initial performance tests to units of lb/scf, for use in the applicable Method 19 equations:

- (i) Multiply SO₂ ppm by 1.66×10^{-7} ;
- (ii) Multiply HCl ppm by 9.43×10^{-8} ;
- (iii) Multiply HF ppm by 5.18×10^{-8} ;
- (iv) Multiply HAP metals concentrations (mg/dscm) by 6.24×10^{-8} ; and
- (v) Multiply Hg concentrations (μg/scm) by 6.24×10^{-11} .

(3) To determine compliance with emission limits expressed in lb/MWh or lb/GWh, you must first calculate the pollutant mass emission rate during the performance test, in units of lb/h. For Hg, if a CEMS or sorbent trap monitoring system is used, use Equation A-2 or A-3 in appendix A to this subpart (as applicable). In all other cases, use an equation that has the general form of Equation A-2 or A-3, replacing the value of K with 1.66×10^{-7} lb/scf-ppm for SO₂, 9.43×10^{-8} lb/scf-ppm for HCl (if an HCl CEMS is used), 5.18×10^{-8} lb/scf-ppm for HF (if an HF CEMS is used), or 6.24×10^{-8} lb-scm/mg-scf for HAP metals and for HCl and HF (when performance stack testing is used), and defining Ch as the average SO₂, HCl, or HF concentration in ppm, or the average HAP metals concentration in mg/dscm. This calculation requires stack gas volumetric flow rate (scfh) and (in some cases) moisture content data (see §§63.10005(h)(3) and 63.10010). Then, if the applicable emission limit is in units of lb/GWh, use Equation A-4 in appendix A to this subpart to calculate the pollutant emission rate in lb/GWh. In this calculation, define (M)h as the calculated pollutant mass emission rate for the performance test (lb/h), and define (MW)h as the average electrical load during the performance test (megawatts). If the applicable emission limit is in lb/MWh rather than lb/GWh, omit the 103 term from Equation A-4 to determine the pollutant emission rate in lb/MWh.

(f) If you elect to (or are required to) use CEMS to continuously monitor Hg, HCl, HF, SO₂, or PM emissions (or, if applicable, sorbent trap monitoring systems to continuously collect Hg emissions data), the following default values are available for use in the emission rate calculations during startup periods or shutdown periods (as defined in §63.10042). For the purposes of this subpart, these default values are not considered to be substitute data.

(1) Diluent cap values. If you use CEMS (or, if applicable, sorbent trap monitoring systems) to comply with a heat input-based emission rate limit, you may use the following diluent cap values for a startup or shutdown hour in which the measured CO₂ concentration is below the cap value or the measured O₂ concentration is above the cap value:

- (i) For an IGCC EGU, you may use 1% for CO₂ or 19% for O₂.
- (ii) For all other EGUs, you may use 5% for CO₂ or 14% for O₂.

(2) Default gross output. If you use CEMS to continuously monitor Hg, HCl, HF, SO₂, or PM emissions (or, if applicable, sorbent trap monitoring systems to continuously collect Hg emissions data), the following default value is available for use in the emission rate calculations during startup periods or shutdown periods (as defined in §63.10042). For the purposes of this subpart, this default value is not considered to be substitute data. For a startup or shutdown hour in which there is heat input to an affected EGU but zero gross output, you must calculate the pollutant emission rate using a value equivalent to 5% of the maximum sustainable gross output, expressed in megawatts, as defined in section 6.5.2.1(a)(1) of appendix A to part 75 of this chapter. This default gross output is either the nameplate capacity of the EGU or the highest gross output observed in at least four representative quarters of EGU operation. For a monitored common stack, the default gross output is used only when all EGUs are operating (i.e., combusting fuel) are in startup or shutdown mode, and have zero electrical generation. Under those conditions, a default gross output equal to 5% of the combined maximum sustainable gross output of the EGUs that are operating but have a total of zero gross output must be used to calculate the hourly gross output-based pollutant emissions rate.

(g) Upon request, you shall make available to the EPA Administrator such records as may be necessary to determine whether the performance tests have been done according to the requirements of this section.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23403, Apr. 19, 2012; 78 FR 24085, Apr. 24, 2013; 79 FR 68789, Nov. 19, 2014; 81 FR 20182, Apr. 6, 2016]

014 [25 Pa. Code §127.512]

Operating permit terms and conditions.

(1) The permittee shall conduct quarterly source testing for Source 031 to determine the post-control emissions of total particulate matter (filterable and condensable). The Department may require additional testing for PM-10 and/or PM-2.5 for compliance demonstration).

SECTION D. Source Level Requirements

(2) The permittee shall conduct annual mercury (Hg) source emissions tests on Source 031 to verify mercury emission limitations.

The source testing shall be performed in accordance with all applicable requirements specified in 25 Pa. Code Chapter 139 while Source 031 is operating.

The permittee shall conduct such additional stack testing (on NO_x, SO_x, and other pollutants), as may be requested by the Department.

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

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

- a. 40 CFR 60, Appendix A, Methods 1-4 shall be used to determine the volumetric flow rate.
- b. 40 CFR 60, Appendix A, Method 5 shall be used to determine the filterable particulate matter (FPM) emission concentration (grains/dscf) and emission rate (lbs/hour and lbs/MMBTU).
- c. 40 CFR 60, Appendix A, Method 19 shall be used to determine the total particulate matter and total PM-10 emission rates in lbs/MMBTU. (if PM-10 testing required).
- d. 40 CFR 60, Appendix A, Method 202 shall be used to determine the organic and inorganic condensable particulate matter (CPM) concentration (grains/dscf) and emission rate (lbs/hr).
- e. The emission results (grains/dscf, lbs/hour, and lbs/MMBTU) for Methods 5 and 202 shall be summed to calculate the total PM concentrations and emission rates.

(5) At least sixty (60) calendar days prior to commencing an emission testing program required by this permit, a test protocol shall be submitted to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(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 Department's appropriate Regional Office. Written notification shall also be sent to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring. The notification shall not be made without prior receipt of a protocol acceptance letter from the Department. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing. In addition, the emissions testing shall not commence prior to receipt of a protocol acceptance letter from the Department.

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

- 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. Baghouse differential pressure [in. H₂O]
- i. Fan speed [rpm]

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

SECTION D. Source Level Requirements

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

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

(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, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the appropriate Regional Office.

(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.

015 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.10006].

When must I conduct subsequent performance tests or tune-ups?

(a) For liquid oil-fired, solid oil-derived fuel-fired and coal-fired EGUs and IGCC units using PM CPMS to monitor continuous performance with an applicable emission limit as provided for under §63.10000(c), you must conduct all applicable performance tests according to Table 5 to this subpart and §63.10007 at least every year.

(b) For affected units meeting the LEE requirements of §63.10005(h), you must repeat the performance test once every 3 years (once every year for Hg) according to Table 5 and §63.10007. Should subsequent emissions testing results show the unit does not meet the LEE eligibility requirements, LEE status is lost. If this should occur:

(1) For all pollutant emission limits except for Hg, you must conduct emissions testing quarterly, except as otherwise provided in §63.10021(d)(1).

(2) For Hg, you must install, certify, maintain, and operate a Hg CEMS or a sorbent trap monitoring system in accordance with appendix A to this subpart, within 6 calendar months of losing LEE eligibility. Until the Hg CEMS or sorbent trap monitoring system is installed, certified, and operating, you must conduct Hg emissions testing quarterly, except as otherwise provided in §63.10021(d)(1). You must have 3 calendar years of testing and CEMS or sorbent trap monitoring system data that satisfy the LEE emissions criteria to reestablish LEE status.

(c) NA.

(d) NA. The facility uses SO₂ CEMS.

(e) NA.

(f) Time between performance tests.

(1) Notwithstanding the provisions of §63.10021(d)(1), the requirements listed in paragraphs (g) and (h) of this section,

SECTION D. Source Level Requirements

and the requirements of paragraph (f)(3) of this section, you must complete performance tests for your EGU as follows:

- (i) At least 45 calendar days, measured from the test's end date, must separate performance tests conducted every quarter;
- (ii) For annual testing:
 - (A) At least 320 calendar days, measured from the test's end date, must separate performance tests;
 - (B) At least 320 calendar days, measured from the test's end date, must separate annual sorbent trap mercury testing for 30-boiler operating day LEE tests;
 - (C) NA - 30 day averaging group.
- (iii) At least 1,050 calendar days, measured from the test's end date, must separate performance tests conducted every 3 years.
- (2) For units demonstrating compliance through quarterly emission testing, you must conduct a performance test in the 4th quarter of a calendar year if your EGU has skipped performance tests in the first 3 quarters of the calendar year.
- (3) If your EGU misses a performance test deadline due to being inoperative and if 168 or more boiler operating hours occur in the next test period, you must complete an additional performance test in that period as follows:
 - (i) At least 15 calendar days must separate two performance tests conducted in the same quarter.
 - (ii) At least 107 calendar days must separate two performance tests conducted in the same calendar year.
 - (iii) At least 350 calendar days must separate two performance tests conducted in the same 3 year period.
- (g) NA.
- (h) NA.
- (i) If you are required to meet an applicable tune-up work practice standard, you must conduct a performance tune-up according to §63.10021(e).
 - (1) For EGUs not employing neural network combustion optimization during normal operation, each performance tune-up specified in §63.10021(e) must be no more than 36 calendar months after the previous performance tune-up.
 - (2) NA - no neural network combustion optimization.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23403, Apr. 19, 2012; 78 FR 24085, Apr. 24, 2013; 81 FR 20182, Apr. 6, 2016]

III. MONITORING REQUIREMENTS.

016 [25 Pa. Code §123.25]

Monitoring requirements

[This condition is streamlined with the requirement of Pa. Code, 123.25 and assures compliance with 40 CFR 60.13 Subpart A and 40 CFR 60.49Da, NSPS requirement.]

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

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

017 [25 Pa. Code §123.46]

Monitoring requirements

[This condition is streamlined with the requirement of Pa. Code, 123.46 and assures compliance with 40 CFR 60.13 Subpart A and 40 CFR 60.49Da, NSPS requirement.]

The permittee 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.

SECTION D. Source Level Requirements

018 [25 Pa. Code §123.51]

Monitoring requirements

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

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

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

019 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

(a) Data Representativeness

(1) The COM is located on the exhaust stack downstream of the baghouse. The percent opacity reported by the COM is proportional to the amount of particulates in the exhaust. Accuracy of the COM is verified with daily drift checks as specified in requirements of 40 CFR 60.

(2) The baghouse is inspected for evidence of bag failure, tube sheet cracking or internal erosion leading to internal leaks.

(b) Verification of Operational Status

(1) An automatic alarm is generated by the control room DCS if the instantaneous opacity exceeds 20%. Records of opacity from the COMs and boiler operation will be maintained onsite and available for inspection by PADEP personnel. The facility is currently required to submit quarterly reports containing opacity readings to the Department.

(2) Automatic alarms alert control room operators to abnormal baghouse pressure differentials.

(c) QA/QC Practices

(1) Daily drift checks, with daily zero/span drift not exceeding 4 percent of the upscale value for any one day per CEM Manual Rev 8.

(2) Qualified personnel conduct inspections and maintenance.

(d) Data Collection Procedures

(1) The data acquisition system (DAS) collects a data point every 10 seconds. The 10-second data are reduced to a 3-minute average percent opacity. The 3-minute average data are archived for at least 5 years.

(2) The results of inspections and maintenance activities are maintained in a computerized maintenance tracking system.

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 §64.6 & §64.3].

(a) The permittee shall use the pressure drop, exhaust gas temperature and opacity readings to obtain data and monitor the emission control equipment performance.

(b) The permittee shall use a differential pressure gauge to measure the pressure drop across the baghouse, a thermocouple to measure temperatures at the baghouse inlet, and a Continuous Opacity Meter (COM) to measure opacity downstream of the baghouse.

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

SECTION D. Source Level Requirements

021 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Opacity, sulfur dioxide and nitrous oxide emissions shall be recorded continuously. The results shall be made available to the Department upon request.

022 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU §63.10010].

What are my monitoring, installation, operation, and maintenance requirements?

(a) Flue gases from the affected units under this subpart exhaust to the atmosphere through a variety of different configurations, including but not limited to individual stacks, a common stack configuration or a main stack plus a bypass stack. For the CEMS, PM CPMS, and sorbent trap monitoring systems used to provide data under this subpart, the continuous monitoring system installation requirements for these exhaust configurations are as follows:

(1) Single unit-single stack configurations. For an affected unit that exhausts to the atmosphere through a single, dedicated stack, you shall either install the required CEMS, PM CPMS, and sorbent trap monitoring systems in the stack or at a location in the ductwork downstream of all emissions control devices, where the pollutant and diluents concentrations are representative of the emissions that exit to the atmosphere.

(2) NA.

(3) NA.

(4) NA.

(5) NA.

(6) NA.

(b) If you use an oxygen (O₂) or carbon dioxide (CO₂) CEMS to convert measured pollutant concentrations to the units of the applicable emissions limit, the O₂ or CO₂ concentrations shall be monitored at a location that represents emissions to the atmosphere, i.e., at the outlet of the EGU, downstream of all emission control devices. You must install, certify, maintain, and operate the CEMS according to part 75 of this chapter. Use only quality assured O₂ or CO₂ data in the emissions calculations; do not use part 75 substitute data values.

(c) If you are required to use a stack gas flow rate monitor, either for routine operation of a sorbent trap monitoring system or to convert pollutant concentrations to units of an electrical output-based emission standard in Table 1 or 2 to this subpart, you must install, certify, operate, and maintain the monitoring system and conduct on-going quality-assurance testing of the system according to part 75 of this chapter. Use only unadjusted, quality-assured flow rate data in the emissions calculations. Do not apply bias adjustment factors to the flow rate data and do not use substitute flow rate data in the calculations.

(d) NA LETTER FROM EPA ALLOWING NEPCO TO USE DEFAULT MOISTURE PERCENT.

(e) NA - UTILIZE SO₂ SURROGATE.

(f)

(1) If you use an SO₂ CEMS, you must install the monitor at the outlet of the EGU, downstream of all emission control devices, and you must certify, operate, and maintain the CEMS according to part 75 of this chapter.

(2) For on-going QA, the SO₂ CEMS must meet the applicable daily, quarterly, and semiannual or annual requirements in sections 2.1 through 2.3 of appendix B to part 75 of this chapter, with the following addition: You must perform the linearity checks required in section 2.2 of appendix B to part 75 of this chapter if the SO₂ CEMS has a span value of 30 ppm or less.

(3) Calculate and record a 30-boiler operating day rolling average SO₂ emission rate in the units of the standard, updated after each new boiler operating day. Each 30-boiler operating day rolling average emission rate is the average of all of the valid hourly SO₂ emission rates in the 30 boiler operating day period.

(4) Use only unadjusted, quality-assured SO₂ concentration values in the emissions calculations; do not apply bias adjustment factors to the part 75 SO₂ data and do not use part 75 substitute data values. For startup or shutdown hours (as

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defined in §63.10042) the default gross output and the diluent cap are available for use in the hourly SO₂ emission rate calculations, as described in §63.10007(f). Use a flag to identify each startup or shutdown hour and report a special code if the diluent cap or default gross output is used to calculate the SO₂ emission rate for any of these hours.

- (g) NA.
- (h) NA.
- (i) NA.
- (j) NA.
- (k) NA.
- (l) NA.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 78 FR 24086, Apr. 24, 2013; 79 FR 68789, Nov. 19, 2014; 81 FR 20185, Apr. 6, 2016]

023 [25 Pa. Code §139.101]

General requirements.

This section applies to monitoring systems as defined in the manual referenced at 139.102(3) (relating to references), installations required or approved under Chapters 122, 124, 127 and 129 or in an order issued under section 4 of the act (35 P. S. 4004).

(1) The submittal procedures specified in the publication entitled "Continuous Source Monitoring Manual," available from the Department shall be utilized to obtain Department approval. This publication includes:

- (i) Installation requirements.
- (ii) Performance specifications.
- (iii) Test procedures.
- (iv) Reporting requirements.
- (v) Quality assurance requirements.
- (vi) Administrative procedures for obtaining Department approval.

(2) The monitoring system installation, certification and operation shall be conducted under the direct supervision of persons qualified by training and experience.

(3) The monitoring systems may be designed to monitor source emissions or stack emissions if the representativeness of emissions can be verified. The method of conversion of monitoring results to source or stack emissions shall be approved by the Department.

(4) The location of monitoring devices shall be approved by the Department prior to installation. The selection of the monitoring location shall utilize applicable criteria in the manual referenced in 139.102(3). The Department has the authority to determine which of the criteria are applicable. The representativeness of the measurements at the chosen monitoring location shall be verified.

(5) The owner of a monitored source shall maintain records containing monitoring information and report data to the Department as specified in the manual referenced in 139.102(3). The records shall be maintained for 5 years and be available for inspection by Department personnel.

(6) The owner of a monitored source shall provide permanent sampling facilities as specified in 139.1 (relating to sampling facilities) to permit verification testing by the Department. For extractive monitors, calibration gas inlets shall be available as near as possible to the monitor probe inlet to permit the Department to verify calibration of the monitoring system. Facilities shall be approved by the Department prior to construction.

(7) Verification testing for monitoring systems shall be in accordance with Subchapter B (relating to monitoring duties of certain sources), and of the manual referenced in 139.102(3).

(8) A quality assurance program shall be established and maintained by the owner of the monitored source. This program shall be in accordance with the criteria in the sources listed in 139.102.

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(9) The Department's approval will be based on the criteria specified in the manual referenced in 139.102(3). Failure to utilize the specified procedures or to conduct the quality assurance program could result in denying or rescinding the Department's approval.

(10) The owner of a monitored source shall notify the Department when the monitoring system is inoperative for more than 1 hour during an air pollution episode as specified in Chapter 137 (relating to air pollution episodes). The notice shall be given within 2 hours of the malfunction.

(11) Manual sampling conducted under Subchapter B may be required if the Department determines that the monitoring system data is not accurate or that the owner of the monitored source does not conduct the quality assurance program specified in the manual referenced in 139.102(3).

(12) Required monitoring shall meet at least one of the following minimum data availability requirements unless other data availability requirements are stipulated elsewhere in this title, in a plan approval or permit condition under Chapter 127 (relating to construction, modification, reactivation and operation of sources), or in an order issued under section 4 of the act. For purposes of calculating data availability, "process down" time, as specified in the manual referenced in 139.102(3), shall be considered valid time.

(i) In each calendar month, at least 90% of the time periods for which an emission standard or an operational parameter applies shall be valid as set forth in the quality assurance section of the manual referenced in 139.102(3).

(ii) In each calendar quarter, at least 95% of the hours during which the monitored source is operating shall be valid as set forth in the quality assurance section of the manual referenced in 139.102(3).

(13) The monitor results shall be expressed in terms of the applicable standard or criteria required. The method used to convert monitor data shall be approved by the Department.

(14) Monitoring systems shall comply with the applicable performance specifications section of the manual referenced in 139.102(3). The Department has the authority to determine which of the performance specifications are applicable.

(15) Verification of calibration standards shall be conducted in accordance with the applicable sampling methods in the Department's "Source Testing Manual" or as otherwise approved by the Department. The "Source Testing Manual" may be obtained from the Department.

(16) The requirements of this section apply to monitoring to demonstrate compliance with emissions standards and process operational parameter criteria.

024 [25 Pa. Code §139.103]

Opacity monitoring requirements.

(a) 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).

025 [25 Pa. Code §139.104]

Sulfur dioxide and nitrogen oxides monitoring requirements for combustion sources.

In addition to sulfur dioxide or to NO_x, either oxygen or carbon dioxide shall be monitored to provide data to permit conversion of monitoring system data, when applicable, to the standard of pounds of sulfur dioxide per million Btus of heat input or to the standard of pounds of NO_x, expressed as nitrogen dioxide, per million Btus of heat input. These conversions shall be performed by using the "F Factor" as specified in the manual referenced in 139.102(3) (relating to references). The Department may approve other methods of conversion to units of pounds pollutant per million Btus of heat input.

SECTION D. Source Level Requirements

026 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.13]

Subpart A - General Provisions

Monitoring requirements.

(a) Owners and operators of all continuous emission monitoring systems installed in accordance with the provisions of this part shall check the zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once daily in accordance with a written procedure. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications in appendix B. The system must allow the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified, whenever specified. For continuous monitoring systems measuring opacity of emissions, the optical surfaces exposed to the effluent gases shall be cleaned prior to performing the zero and span drift adjustments except that for systems using automatic zero adjustments. The optical surfaces shall be cleaned when the cumulative automatic zero compensation exceeds 4 percent opacity.

(b) Unless otherwise approved by the Administrator, the following procedures shall be followed for continuous monitoring systems measuring opacity of emissions. Minimum procedures shall include a method for producing a simulated zero opacity condition and an upscale (span) opacity condition using a certified neutral density filter or other related technique to produce a known obscuration of the light beam. Such procedures shall provide a system check of the analyzer internal optical surfaces and all electronic circuitry including the lamp and photodetector assembly.

IV. RECORDKEEPING REQUIREMENTS.

027 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The facility shall record the results of the visual inspections of the control devices. The results of the inspection shall be recorded on a daily basis, maintained in a logbook, and made available to the Department upon request. The records of the inspections shall be maintained in accordance with SECTION B - General Title V Requirements, Condition #024.

028 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall record the results of each monthly fuel analysis, as required by Source Level Requirements - Conditions #010 and #011. These records and the records of the quantity of fuel consumed, shall be used with EPA's AP-42 emission factors in the calculation of particulate emissions from the boilers. These records shall be maintained on-site and made available to the Department upon request.

029 [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 §64.9].

(a) 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.

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

(c) 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 (d) is also derived from 40 CFR §70.6(a)(3)(ii)(B).]

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

SECTION D. Source Level Requirements

030 [25 Pa. Code §127.512]

Operating permit terms and conditions.

(a) The permittee shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of the Source Level Requirements, such that the records provide sufficient data and calculations to clearly demonstrate that the Source Level Requirements are met.

(b) The file shall include, but not be limited to the following:

(i) air pollution control system performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this source.

(c) All records shall be maintained in accordance with SECTION B - General Title V Requirements #024.

031 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Whenever the source is in operation, the control device for the source shall be in operation. On a daily basis, the control device for the source shall be inspected. The inspection shall consist of a visible inspection to insure compliance with SECTION C - Condition #001 and #002. The recordkeeping shall be done in accordance with recordkeeping requirements stated in Condition #027.

032 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(5) and 139.101(12)].

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

Records shall be retained for at least 5 years and shall be made available to the Department upon request.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

033 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.10033].

In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

034 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.10032].

What records must I keep?

SECTION D. Source Level Requirements

(a) You must keep records according to paragraphs (a)(1) and (2) of this section. If you are required to (or elect to) continuously monitor Hg and/or HCl and/or HF emissions, you must also keep the records required under appendix A and/or appendix B to this subpart.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance stack tests, fuel analyses, or other compliance demonstrations and performance evaluations, as required in §63.10(b)(2)(viii).

(b) For each CEMS and CPMS, you must keep records according to paragraphs (b)(1) through (4) of this section.

(1) Records described in §63.10(b)(2)(vi) through (xi).

(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3).

(3) Request for alternatives to relative accuracy test for CEMS as required in §63.8(f)(6)(i).

(4) Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(c) You must keep the records required in Table 7 to this subpart including records of all monitoring data and calculated averages for applicable PM CPMS operating limits to show continuous compliance with each emission limit and operating limit that applies to you.

(d) For each EGU subject to an emission limit, you must also keep the records in paragraphs (d)(1) through (3) of this section.

(1) You must keep records of monthly fuel use by each EGU, including the type(s) of fuel and amount(s) used.

(2) NA.

(3) For an EGU that qualifies as an LEE under §63.10005(h), you must keep annual records that document that your emissions in the previous stack test(s) continue to qualify the unit for LEE status for an applicable pollutant, and document that there was no change in source operations including fuel composition and operation of air pollution control equipment that would cause emissions of the pollutant to increase within the past year.

(e) NA.

(f) Regarding startup periods or shutdown periods:

(1) Should you choose to rely on paragraph (1) of the definition of "startup" in §63.10042 for your EGU, you must keep records of the occurrence and duration of each startup or shutdown.

(2) NA.

(g) You must keep records of the occurrence and duration of each malfunction of an operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(h) You must keep records of actions taken during periods of malfunction to minimize emissions in accordance with §63.10000(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(i) You must keep records of the type(s) and amount(s) of fuel used during each startup or shutdown.

(j) NA.

[77 FR 9464, Feb. 16, 2012, as amended at 79 FR 68792, Nov. 19, 2014; 81 FR 20189, Apr. 6, 2016]

035 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]

Subpart A - General Provisions

Notification and record keeping.

(a) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of this boiler; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is in operative.

SECTION D. Source Level Requirements

(b) The permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection.

V. REPORTING REQUIREMENTS.

036 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall, on a monthly basis, compile a report of the testing results of the anthracite culm and fuel oil characteristic tests for submission to the Department.

037 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) At the close of each calendar quarter, the permittee shall submit to the Department the following Continuous Emission Monitor (CEM) reports:

(1) The permittee shall compile a Sulfur Oxide (SO₂) Emission Report, from the SO₂ CEM emission data collected during the three (3) preceding months, for submission to the Department. The SO₂ emissions shall be expressed on an hourly basis, in units of lbs/MMBtu.

(2) The permittee shall compile an Opacity Emission Report, from the Opacity CEM data, of the hourly average opacity, during the preceding three (3) months for submittal to the Department. Opacity shall be expressed as a percentage (%).

(3) The permittee shall compile a Nitrogen Oxide (NO_x) Emission Report, from the NO_x CEM emission data collected during the three (3) preceding months, for submission to the Department. The NO_x emissions shall be expressed on an hourly basis, in units of Lbs/MMBtu.

(b) Each of these reports shall be submitted to the Department within thirty (30) days of the close of each quarter. The Department reserves the right to require that any CEM reports made requisite by the conditions of this permit be submitted in an electronic / digital format acceptable to the Department.

038 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this permit condition is derived from 40 CFR Part 60, 25 Pa. Code Chapter 139 and the Department's "Continuous Source Monitoring Manual"]

The permittee shall submit to the Department the results of the System Performance/Relative Accuracy Test Audits (RATA) required on the continuous emission monitoring systems associated with Source ID 031. Said submittals shall be made within 60 days of the performance of each audit.

039 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The CEMS results and reports for the opacity, sulfur dioxide and nitrous oxides emissions shall be submitted within thirty (30) days of the end of each calendar quarter but no later than the time frame established in the Department's latest Continuous Source Monitoring Manual. The Department reserves the right to require the report submission in an electronic / digital format acceptable to the Department.

040 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(10) and 139.101(12).]

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for

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stationary sources, (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction. Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter. Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

041 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.10030].

What notifications must I submit and when?

(a) You must submit all of the notifications in §§63.7(b) and (c), 63.8 (e), (f)(4) and (6), and 63.9 (b) through (h) that apply to you by the dates specified.

(b) As specified in §63.9(b)(2), if you startup your EGU that is an affected source before April 16, 2012, you must submit an Initial Notification not later than 120 days after April 16, 2012.

(c) As specified in §63.9(b)(4) and (b)(5), if you startup your new or reconstructed EGU that is an affected source on or after April 16, 2012, you must submit an Initial Notification not later than 15 days after the actual date of startup of the EGU that is an affected source.

(d) When you are required to conduct a performance test, you must submit a Notification of Intent to conduct a performance test at least 30 days before the performance test is scheduled to begin.

(e) When you are required to conduct an initial compliance demonstration as specified in §63.10011(a), you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable.

(1) A description of the affected source(s), including identification of the subcategory of the source, the design capacity of the source, a description of the add-on controls used on the source, description of the fuel(s) burned, including whether the fuel(s) were determined by you or EPA through a petition process to be a non-waste under 40 CFR 241.3, whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR 241.3, and justification for the selection of fuel(s) burned during the performance test.

(2) Summary of the results of all performance tests and fuel analyses and calculations conducted to demonstrate initial compliance including all established operating limits.

(3) Identification of whether you plan to demonstrate compliance with each applicable emission limit through performance testing; fuel moisture analyses; performance testing with operating limits (e.g., use of PM CPMS); CEMS; or a sorbent trap monitoring system.

(4) Identification of whether you plan to demonstrate compliance by emissions averaging.

(5) A signed certification that you have met all applicable emission limits and work practice standards.

(6) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a brief description of the deviation, the duration of the deviation, emissions point identification, and the cause of the deviation in the Notification of Compliance Status report.

(7) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following:

(i) A summary of the results of the annual performance tests and documentation of any operating limits that were reestablished during this test, if applicable. If you are conducting stack tests once every 3 years consistent with

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§63.10005(h)(1)(i), the date of each stack test conducted during the previous 3 years, a comparison of emission level you achieved in each stack test conducted during the previous 3 years to the 50 percent emission limit threshold required in §63.10006(i), and a statement as to whether there have been any operational changes since the last stack test that could increase emissions.

(ii) Certifications of compliance, as applicable, and must be signed by a responsible official stating:

(A) "This EGU complies with the requirements in §63.10021(a) to demonstrate continuous compliance." and

(B) "No secondary materials that are solid waste were combusted in any affected unit."

(iii) For each of your existing EGUs, identification of each emissions limit as specified in Table 2 to this subpart with which you plan to comply.

(A) You may switch from a mass per heat input to a mass per gross output limit (or vice-versa), provided that:

(1) You submit a request that identifies for each EGU or EGU emissions averaging group involved in the proposed switch both the current and proposed emission limit;

(2) Your request arrives to the Administrator at least 30 calendar days prior to the date that the switch is proposed to occur;

(3) Your request demonstrates through performance stack test results completed within 30 days prior to your submission, compliance for each EGU or EGU emissions averaging group with both the mass per heat input and mass per gross output limits;

(4) You revise and submit all other applicable plans, e.g., monitoring and emissions averaging, with your request; and

(5) You maintain records of all information regarding your choice of emission limits.

(B) You begin to use the revised emission limits starting in the next reporting period, after receipt of written acknowledgement from the Administrator of the switch.

(C) From submission of your request until start of the next reporting period after receipt of written acknowledgement from the Administrator of the switch, you demonstrate compliance with both the mass per heat input and mass per gross output emission limits for each pollutant for each EGU or EGU emissions averaging group.

(8) Identification of whether you plan to rely on paragraph (1) or (2) of the definition of "startup" in §63.10042.

(i) NA.

(ii) The report shall be prepared, signed, and sealed by a professional engineer licensed in the state where your EGU is located.

(iii) You may switch from paragraph (1) of the definition of "startup" in §63.10042 to paragraph (2) of the definition of "startup" (or vice-versa), provided that:

(A) You submit a request that identifies for each EGU or EGU emissions averaging group involved in the proposed switch both the current definition of "startup" relied on and the proposed definition you plan to rely on;

(B) Your request arrives to the Administrator at least 30 calendar days prior to the date that the switch is proposed to occur;

(C) You revise and submit all other applicable plans, e.g., monitoring and emissions averaging, with your submission;

(D) You maintain records of all information regarding your choice of the definition of "startup"; and

(E) You begin to use the revised definition of "startup" in the next reporting period after receipt of written acknowledgement from the Administrator of the switch.

(f) You must submit the notifications in §63.10000(h)(2) and (i)(2) that may apply to you by the dates specified.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 78 FR 24087, Apr. 24, 2013; 79 FR 68791, Nov. 19, 2014; 81 FR 20187, Apr. 6, 2016]

042 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.10031].

What reports must I submit and when?

(a) You must submit each report in Table 8 to this subpart that applies to you. If you are required to (or elect to) continuously monitor Hg and/or HCl and/or HF emissions, you must also submit the electronic reports required under appendix A and/or appendix B to the subpart, at the specified frequency.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit

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each report by the date in Table 8 to this subpart and according to the requirements in paragraphs (b)(1) through (5) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in §63.9984 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.9984.

(2) The first compliance report must be postmarked or submitted electronically no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.9984.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) Each subsequent compliance report must be postmarked or submitted electronically no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) The compliance report must contain the information required in paragraphs (c)(1) through (9) of this section.

(1) The information required by the summary report located in 63.10(e)(3)(vi).

(2) The total fuel use by each affected source subject to an emission limit, for each calendar month within the semiannual reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure.

(3) Indicate whether you burned new types of fuel during the reporting period. If you did burn new types of fuel you must include the date of the performance test where that fuel was in use.

(4) Include the date of the most recent tune-up for each EGU. The date of the tune-up is the date the tune-up provisions specified in §63.10021(e)(6) and (7) were completed.

(5) NA.

(6) You must report emergency bypass information annually from EGUs with LEE status.

(7) A summary of the results of the annual performance tests and documentation of any operating limits that were reestablished during the test, if applicable. If you are conducting stack tests once every 3 years to maintain LEE status, consistent with §63.10006(b), the date of each stack test conducted during the previous 3 years, a comparison of emission level you achieved in each stack test conducted during the previous 3 years to the 50 percent emission limit threshold required in §63.10005(h)(1)(i), and a statement as to whether there have been any operational changes since the last stack test that could increase emissions.

(8) A certification.

(9) If you have a deviation from any emission limit, work practice standard, or operating limit, you must also submit a brief description of the deviation, the duration of the deviation, emissions point identification, and the cause of the deviation.

(d) For each excess emissions occurring at an affected source where you are using a CMS to comply with that emission limit or operating limit, you must include the information required in §63.10(e)(3)(v) in the compliance report specified in section (c).

(e) Each affected source that has obtained a Title V operating permit pursuant to part 70 or part 71 of this chapter must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 8 to this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any emission limit, operating limit, or work practice requirement in this subpart, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. Submission of a compliance report does not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(f) On or after July 1, 2018, within 60 days after the date of completing each performance test, you must submit the performance test reports required by this subpart to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of EPA's Electronic Reporting Tool (ERT)

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(see <http://www.epa.gov/ttn/chief/ert/index.html>). Only data collected using those test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to EPA via CDX as described earlier in this paragraph. At the discretion of the delegated authority, you must also submit these reports, including the confidential business information, to the delegated authority in the format specified by the delegated authority.

(1) On or after July 1, 2018, within 60 days after the date of completing each CEMS (SO₂, PM, HCl, HF, and Hg) performance evaluation test, as defined in §63.2 and required by this subpart, you must submit the relative accuracy test audit (RATA) data (or, for PM CEMS, RCA and RRA data) required by this subpart to EPA's WebFIRE database by using CEDRI that is accessed through EPA's CDX (www.epa.gov/cdx). The RATA data shall be submitted in the file format generated through use of EPA's Electronic Reporting Tool (ERT) (<http://www.epa.gov/ttn/chief/ert/index.html>). Only RATA data compounds listed on the ERT Web site are subject to this requirement. Owners or operators who claim that some of the information being submitted for RATAs is confidential business information (CBI) shall submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) by registered letter to EPA and the same ERT file with the CBI omitted to EPA via CDX as described earlier in this paragraph. The compact disk or other commonly used electronic storage media shall be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. At the discretion of the delegated authority, owners or operators shall also submit these RATAs to the delegated authority in the format specified by the delegated authority. Owners or operators shall submit calibration error testing, drift checks, and other information required in the performance evaluation as described in §63.2 and as required in this chapter.

(2) On or after July 1, 2018, for a PM CEMS, PM CPMS, or approved alternative monitoring using a HAP metals CEMS, within 60 days after the reporting periods ending on March 31st, June 30th, September 30th, and December 31st, you must submit quarterly reports to the EPA's WebFIRE database by using the CEDRI that is accessed through the EPA's CDX (www.epa.gov/cdx). You must use the appropriate electronic reporting form in CEDRI or provide an alternate electronic file consistent with EPA's reporting form output format. For each reporting period, the quarterly reports must include all of the calculated 30-boiler operating day rolling average values derived from the CEMS and PM CPMS.

(3) Reports for an SO₂ CEMS, a Hg CEMS or sorbent trap monitoring system, an HCl or HF CEMS, and any supporting monitors for such systems (such as a diluent or moisture monitor) shall be submitted using the ECMPS Client Tool, as provided for in Appendices A and B to this subpart and §63.10021(f).

(4) On or after July 1, 2018, submit the compliance reports required under paragraphs (c) and (d) of this section and the notification of compliance status required under §63.10030(e) to the EPA's WebFIRE database by using the CEDRI that is accessed through the EPA's CDX (www.epa.gov/cdx). You must use the appropriate electronic reporting form in CEDRI or provide an alternate electronic file consistent with EPA's reporting form output format.

(5) All reports required by this subpart not subject to the requirements in paragraphs (f) introductory text and (f)(1) through (4) of this section must be sent to the Administrator at the appropriate address listed in §63.13. If acceptable to both the Administrator and the owner or operator of an EGU, these reports may be submitted on electronic media. The Administrator retains the right to require submittal of reports subject to paragraphs (f) introductory text and (f)(1) through (4) of this section in paper format.

(6) Prior to July 1, 2018, all reports subject to electronic submittal in paragraphs (f) introductory text, (f)(1), (2), and (4) shall be submitted to the EPA at the frequency specified in those paragraphs in electronic portable document format (PDF) using the ECMPS Client Tool. Each PDF version of a submitted report must include sufficient information to assess compliance and to demonstrate that the testing was done properly. The following data elements must be entered into the ECMPS Client Tool at the time of submission of each PDF file:

- (i) The facility name, physical address, mailing address (if different from the physical address), and county;
- (ii) The ORIS code (or equivalent ID number assigned by EPA's Clean Air Markets Division (CAMD)) and the Facility Registry System (FRS) ID;
- (iii) The EGU (or EGUs) to which the report applies. Report the EGU IDs as they appear in the CAMD Business System;
- (iv) If any of the EGUs in paragraph (f)(6)(iii) of this section share a common stack, indicate which EGUs share the stack. If emissions data are monitored and reported at the common stack according to part 75 of this chapter, report the ID number of the common stack as it is represented in the electronic monitoring plan required under §75.53 of this chapter;
- (v) If any of the EGUs described in paragraph (f)(6)(iii) of this section are in an averaging plan under §63.10009, indicate which EGUs are in the plan and whether it is a 30- or 90-day averaging plan;

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(vi) The identification of each emission point to which the report applies. An "emission point" is a point at which source effluent is released to the atmosphere, and is either a dedicated stack that serves one of the EGUs identified in paragraph (f)(6)(iii) of this section or a common stack that serves two or more of those EGUs. To identify an emission point, associate it with the EGU or stack ID in the CAMD Business system or the electronic monitoring plan (e.g., "Unit 2 stack," "common stack CS001," or "multiple stack MS001");

(vii) The rule citation (e.g., §63.10031(f)(1), §63.10031(f)(2), etc.) for which the report is showing compliance;

(viii) The pollutant(s) being addressed in the report;

(ix) The reporting period being covered by the report (if applicable);

(x) The relevant test method that was performed for a performance test (if applicable);

(xi) The date the performance test was conducted (if applicable); and

(xii) The responsible official's name, title, and phone number.

(g) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 79 FR 68791, Nov. 19, 2014; 79 FR 68799, Nov. 19, 2014; 80 FR 15514, Mar. 24, 2015; 81 FR 20188, Apr. 6, 2016; 82 FR 16739, Apr. 6, 2017]

043 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]

Subpart A - General Provisions

Notification and record keeping.

Each owner or operator required to install a continuous monitoring system (CMS) or monitoring device shall submit an excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and/or a summary report form to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the CMS data are to be used directly for compliance determination, in which case quarterly reports shall be submitted; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each calendar half (or quarter, as appropriate). Written reports of excess emissions shall include the following information:

(1) The magnitude of excess emissions computed in accordance with 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.

(2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.

(3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.

(4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

VI. WORK PRACTICE REQUIREMENTS.

044 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

(a) The permittee shall adhere to the following ranges so that operation within the ranges shall provide reasonable assurance of compliance. A departure from the specified indicator range shall be defined as an excursion:

(1) The range of the pressure gauge is 0 to 20 inches (") of H₂O pressure. An excursion is defined as a pressure drop of less than 1" of H₂O or a pressure drop of greater than 12" of H₂O.

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(2) Inlet temperature into the baghouse may not exceed the maximum allowable temperature specified by the manufacturer of the bags being used.

(3) The range of the COM is 0 to 100 percent (%) opacity.

[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 the temperature and opacity measuring devices, maintain detectors or sensors at locations for obtaining data that are representative of the baghouse inlet temperature and exhaust gas opacity respectively.

(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 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 monitoring of the pressure drop, temperature or opacity requires the 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.

045 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[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 any of the following occurs:

(1) Six or more excursions occur in a six-month reporting period.

(2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(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.

(c) In accordance with 40 CFR Part 64, §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 reasonable 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 accordance with good air pollution control practices for minimizing emissions.

SECTION D. Source Level Requirements

(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.

046 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Subpart UUUUU 63.100021].

(a) You must demonstrate continuous compliance with each emissions limit, operating limit, and work practice standard in Tables 1 through 4 to this subpart that applies to you, according to the monitoring specified in Tables 6 and 7 to this subpart and paragraphs (b) through (g) of this section.

(b) Except as otherwise provided in §63.10020(c), if you use a CEMS to measure SO₂, PM, HCl, HF, or Hg emissions, or using a sorbent trap monitoring system to measure Hg emissions, you must demonstrate continuous compliance by using all quality-assured hourly data recorded by the CEMS (or sorbent trap monitoring system) and the other required monitoring systems (e.g., flow rate, CO₂, O₂, or moisture systems) to calculate the arithmetic average emissions rate in units of the standard on a continuous 30-boiler operating day (or, if alternate emissions averaging is used for Hg, 90-boiler operating day) rolling average basis, updated at the end of each new boiler operating day. Use Equation 8 to determine the 30- (or, if applicable, 90-) boiler operating day rolling average.

See Equation 8

Where:

Heri is the hourly emissions rate for hour i and n is the number of hourly emissions rate values collected over 30- (or, if applicable, 90-) boiler operating days.

(c) If you use a PM CPMS data to measure compliance with an operating limit in Table 4 to this subpart, you must record the PM CPMS output data for all periods when the process is operating and the PM CPMS is not out-of-control. You must demonstrate continuous compliance by using all quality-assured hourly average data collected by the PM CPMS for all operating hours to calculate the arithmetic average operating parameter in units of the operating limit (e.g., milliamps, PM concentration, raw data signal) on a 30 operating day rolling average basis, updated at the end of each new boiler operating day. Use Equation 9 to determine the 30 boiler operating day average.

See Equation 9

Where:

H_{pvi} is the hourly parameter value for hour i and n is the number of valid hourly parameter values collected over 30 boiler operating days.

(1) For any exceedance of the 30-boiler operating day PM CPMS average value from the established operating parameter limit for an EGU subject to the emissions limits in Table 1 to this subpart, you must:

- (i) Within 48 hours of the exceedance, visually inspect the air pollution control device (APCD);
- (ii) If the inspection of the APCD identifies the cause of the exceedance, take corrective action as soon as possible, and return the PM CPMS measurement to within the established value; and (iii) Within 45 days of the exceedance or at the time of the annual compliance test, whichever comes first, conduct a PM emissions compliance test to determine compliance with the PM emissions limit and to verify or re-establish the CPMS operating limit. You are not required to conduct any additional testing for any exceedances that occur between the time of the original exceedance and the PM emissions compliance test required under this paragraph.

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(2) PM CPMS exceedances of the operating limit for an EGU subject to the emissions limits in Table 1 of this subpart leading to more than four required performance tests in a 12-month period (rolling monthly) constitute a separate violation of this subpart.

(d) If you use quarterly performance testing to demonstrate compliance with one or more applicable emissions limits in Table 1 or 2 to this subpart, you

(1) May skip performance testing in those quarters during which less than 168 boiler operating hours occur, except that a performance test must be conducted at least once every calendar year.

(2) Must conduct the performance test as defined in Table 5 to this subpart and calculate the results of the testing in units of the applicable emissions standard; and

(3) Must conduct site-specific monitoring using CMS to demonstrate compliance with the site-specific monitoring requirements in Table 7 to this subpart pertaining to HCl and HF emissions from a liquid oil-fired EGU to ensure compliance with the HCl and HF emission limits in Tables 1 and 2 to this subpart, in accordance with the requirements of §63.10000(c)(2)(iii). The monitoring must meet the general operating requirements provided in §63.10020.

(e) Conduct periodic performance tune-ups of your EGU(s), as specified in paragraphs (e)(1) through (9) of this section. For your first tune-up, you may perform the burner inspection anytime prior to the tune-up or you may delay the first burner inspection until the next scheduled EGU outage provided you meet the requirements of §63.10005. Subsequently, you must perform an inspection of the burner at least once every 36 calendar months unless your EGU employs neural network combustion optimization during normal operations in which case you must perform an inspection of the burner and combustion controls at least once every 48 calendar months. If your EGU is offline when a deadline to perform the tune-up passes, you shall perform the tune-up work practice requirements within 30 days after the re-start of the affected unit.

(1) As applicable, inspect the burner and combustion controls, and clean or replace any components of the burner or combustion controls as necessary upon initiation of the work practice program and at least once every required inspection period. Repair of a burner or combustion control component requiring special order parts may be scheduled as follows:

(i) Burner or combustion control component parts needing replacement that affect the ability to optimize NOX and CO must be installed within 3 calendar months after the burner inspection,

(ii) Burner or combustion control component parts that do not affect the ability to optimize NOX and CO may be installed on a schedule determined by the operator;

(2) As applicable, inspect the flame pattern and make any adjustments to the burner or combustion controls necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available, or in accordance with best combustion engineering practice for that burner type;

(3) As applicable, observe the damper operations as a function of mill and/or cyclone loadings, cyclone and pulverizer coal feeder loadings, or other pulverizer and coal mill performance parameters, making adjustments and effecting repair to dampers, controls, mills, pulverizers, cyclones, and sensors;

(4) As applicable, evaluate windbox pressures and air proportions, making adjustments and effecting repair to dampers, actuators, controls, and sensors;

(5) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly. Such inspection may include calibrating excess O₂ probes and/or sensors, adjusting overfire air systems, changing software parameters, and calibrating associated actuators and dampers to ensure that the systems are operated as designed. Any component out of calibration, in or near failure, or in a state that is likely to negate combustion optimization efforts prior to the next tune-up, should be corrected or repaired as necessary;

(6) Optimize combustion to minimize generation of CO and NOX. This optimization should be consistent with the manufacturer's specifications, if available, or best combustion engineering practice for the applicable burner type. NOX optimization includes burners, overfire air controls, concentric firing system improvements, neural network or combustion efficiency software, control systems calibrations, adjusting combustion zone temperature profiles, and add-on controls such as SCR and SNCR; CO optimization includes burners, overfire air controls, concentric firing system improvements, neural network or combustion efficiency software, control systems calibrations, and adjusting combustion zone temperature profiles;

(7) While operating at full load or the predominantly operated load, measure the concentration in the effluent stream of CO and NOX in ppm, by volume, and oxygen in volume percent, before and after the tune-up adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). You may use portable CO, NOX and O₂ monitors for this measurement. EGU's employing neural network optimization systems need only provide a single pre- and post-tune-up value rather than continual values before and after each optimization adjustment made by the system;

(8) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in

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paragraphs (e)(1) through (e)(9) of this section including:

- (i) The concentrations of CO and NOX in the effluent stream in ppm by volume, and oxygen in volume percent, measured before and after an adjustment of the EGU combustion systems;
 - (ii) A description of any corrective actions taken as a part of the combustion adjustment; and
 - (iii) The type(s) and amount(s) of fuel used over the 12 calendar months prior to an adjustment, but only if the unit was physically and legally capable of using more than one type of fuel during that period; and
- (9) Report the dates of the initial and subsequent tune-ups in hard copy, as specified in §63.10031(f)(5), through June 30, 2018. On or after July 1, 2018, report the date of all tune-ups electronically, in accordance with §63.10031(f). The tune-up report date is the date when tune-up requirements in paragraphs (e)(6) and (7) of this section are completed.

(f) You must submit the reports required under §63.10031 and, if applicable, the reports required under appendices A and B to this subpart. The electronic reports required by appendices A and B to this subpart must be sent to the Administrator electronically in a format prescribed by the Administrator, as provided in §63.10031. CEMS data (except for PM CEMS and any approved alternative monitoring using a HAP metals CEMS) shall be submitted using EPA's Emissions Collection and Monitoring Plan System (ECMPS) Client Tool. Other data, including PM CEMS data, HAP metals CEMS data, and CEMS performance test detail reports, shall be submitted in the file format generated through use of EPA's Electronic Reporting Tool, the Compliance and Emissions Data Reporting Interface, or alternate electronic file format, all as provided for under §63.10031.

(g) You must report each instance in which you did not meet an applicable emissions limit or operating limit in Tables 1 through 4 to this subpart or failed to conduct a required tune-up. These instances are deviations from the requirements of this subpart. These deviations must be reported according to §63.10031.

(h) You must follow the startup or shutdown requirements as given in Table 3 to this subpart for each coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGU.

(1) You may use the diluent cap and default gross output values, as described in §63.10007(f), during startup periods or shutdown periods.

(2) You must operate all CMS, collect data, calculate pollutant emission rates, and record data during startup periods or shutdown periods.

(3) You must report the information as required in §63.10031.

(4) You may choose to submit an alternative non-opacity emission standard, in accordance with the requirements contained in §63.10011(g)(4). Until promulgation in the Federal Register of the final alternative non-opacity emission standard, you shall comply with paragraph (1) of the definition of "startup" in §63.10042.

(i) You must provide reports as specified in §63.10031 concerning activities and periods of startup and shutdown.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 78 FR 24086, Apr. 24, 2013; 79 FR 68791, Nov. 19, 2014; 81 FR 20187, Apr. 6, 2016; 82 FR 16739, Apr. 6, 2017]

047 [25 Pa. Code §139.104]

Sulfur dioxide and nitrogen oxides monitoring requirements for combustion sources.

(a) Continuous monitoring systems installed under the requirements of this section shall meet the following minimum data availability requirements:

(i) At least 23 days during each running 30-day period shall be valid days as set forth in the quality assurance section of the manual referenced in 139.102(3).

(ii) At least 50% of the hours during each running 30-day period shall be valid hours as set forth in the quality assurance section of the manual referenced in 139.102(3).

048 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]

Subpart A - General Provisions

Notification and record keeping.

The owner or operator of the source shall furnish the administrator written notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 60.14(e). This notice shall be postmarked 60 days or as

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soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

VII. ADDITIONAL REQUIREMENTS.

049 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(2), 139.101(3), 139.101(4), 139.101(6), 139.101(7), 139.101(8), 139.101(12), 139.101(14) and 139.101(15)].

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

050 [25 Pa. Code §127.512]

Operating permit terms and conditions.

145.1-145.90 NOx Budget Trading Program Incorporation:

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

051 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Source ID 031 is subject to all applicable requirements of 25 Pa. Code Section 145.

052 [25 Pa. Code §127.512]

Operating permit terms and conditions.

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

Sampling, Testing, and Monitoring Procedures.

(a) The permittee shall perform the emissions monitoring analysis procedures or test methods required under an applicable requirement including procedures and methods under Sections 114(a)(3) (42 U.S.C.A. §§ 7414 (a)(3)) or 504(b) (42 U.S.C.A. §§ 7661c(b)) of the Clean Air Act.

(b) Unless otherwise required by this permit, the permittee shall comply with applicable monitoring, quality assurance, recordkeeping and reporting requirements of the Air Pollution Control Act, 25 Pa. Code, Subpart C, Article III (relating to air resources), including Chapter 139 (relating to sampling and testing). The permittee shall also comply with applicable requirements related to monitoring, quality assurance, reporting and recordkeeping required by the Clean Air Act including applicable monitoring requirements including §§ 114(a)(3) and 504(b) and regulations adopted thereunder, unless otherwise required by this permit.

053 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Source ID 031 is subject to the National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units. As the owner and operator of Source ID 031, the permittee shall comply with all applicable

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requirements codified in 40 CFR Part 63 Subpart UUUUU (40 CFR §§ 63.9980 through 63.10042, including Tables and Appendices).

054 [25 Pa. Code §127.531]

Special conditions related to acid rain.

Source 031 at the Northeastern Power Company is the only affected unit subject to Phase II Acid Rain requirements under Title IV of the Clean Air Act (as Amended 1990) and 25 Pa. Code Section 127.531. This source shall comply with all applicable provisions of that Title, to include the following:

- (a) 40 CFR Part 72, relating to Permit Regulation,
- (b) 40 CFR Part 73, relating to Sulfur Dioxide Allowance System,
- (c) 40 CFR Part 75, relating to Continuous Emission Monitoring,
- (d) 40 CFR Part 76, relating to Nitrogen Oxides Emission Reduction Program; and,
- (e) 40 CFR Part 77, relating to Excess Emissions.

A copy of the Phase II Acid Rain Permit Application for Source 031, which is incorporated as part of the Title V Permit, is attached.

055 [25 Pa. Code §145.1]

Purpose

This subchapter establishes general provisions and the applicability, allowance, excess emissions, monitoring and opt-in provisions for the NOx Budget Trading Program as a means of mitigating the interstate transport of ozone and nitrogen oxides, an ozone precursor.

056 [25 Pa. Code §145.10.]

Authorization and responsibilities of the NOx authorized account representative.

- (a) Except as provided under 145.11 (relating to alternate NOx authorized account representative), each NOx budget source, including all NOx budget units at the source, shall have only one NOx authorized account representative, with regard to all matters under the NOx Budget Trading Program concerning the source or any NOx budget unit at the source.
- (b) The NOx authorized account representative of the NOx budget source shall be selected by an agreement binding on the owners and operators of the source and all NOx budget units at the source.
- (c) Upon receipt by the Department and the NOx Budget Administrator of a complete account certificate of representation under 145.13 (relating to account certificate of representation), the NOx authorized account representative of the source shall represent and, by his representations, actions, inactions or submissions, legally bind each owner and operator of the NOx budget source represented and each NOx budget unit at the source in all matters pertaining to the NOx Budget Trading Program, notwithstanding any agreement between the NOx authorized account representative and the owners and operators. The owners and operators shall be bound by any decision or order issued to the NOx authorized account representative by the Department, the Administrator or a court regarding the source or unit.
- (d) A NOx Allowance Tracking System account will not be established for a NOx budget unit at a source, until the Department and the NOx Budget Administrator have received a complete account certificate of representation under 145.13 for a NOx authorized account representative of the source and the NOx budget units at the source.
- (e) Document submission requirements are as follows:
 - (1) Each submission under the NOx Budget Trading Program shall be submitted, signed and certified by the NOx authorized account representative for each NOx budget source on behalf of which the submission is made. Each submission shall include the following certification statement by the NOx authorized account representative:

"I am authorized to make this submission on behalf of the owners and operators of the NOx budget sources or NOx budget

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units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

(2) The Department and NOx Budget Administrator will accept or act on a submission made on behalf of owner or operators of a NOx budget source or a NOx budget unit only if the submission has been made, signed and certified in accordance with paragraph (1).

057 [25 Pa. Code §145.30.]

Compliance certification report.

(a) Applicability and deadline. For each control period in which one or more NOx budget units at a source are subject to the NOx budget emissions limitation, the NOx authorized account representative of the source shall submit to the Department and the NOx Budget Administrator by November 30 of that year, a compliance certification report for the source covering all of the units.

(b) Contents of report. The NOx authorized account representative shall include in the compliance certification report under subsection (a) the following elements, in a format prescribed by the Department, concerning each unit at the source and subject to the NOx budget emissions limitation for the control period covered by the report:

(1) Identification of each NOx budget unit.

(2) At the NOx authorized account representative's option, the serial numbers of the NOx allowances that are to be deducted from each unit's compliance account under 145.54 (relating to compliance) for the control period.

(3) At the NOx authorized account representative's option, for units sharing a common stack and having NOx emissions that are not monitored separately or apportioned in accordance with 145.70-145.76 (relating to recordkeeping and reporting requirements), the percentage of allowances that is to be deducted from each unit's compliance account under 145.54(e).

(4) The compliance certification under subsection (c).

(c) Compliance certification. In the compliance certification report under subsection (a), the NOx authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NOx budget units at the source in compliance with the NOx Budget Trading Program, whether each NOx budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the NOx Budget Trading Program applicable to the unit, including the following:

(1) Whether the unit was operated in compliance with the NOx budget emissions limitation.

(2) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains the information necessary to attribute NOx emissions to the unit, in accordance with 145.70 - 145.76.

(3) Whether all the NOx emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with 145.70 -145.76. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made.

(4) Whether the facts that form the basis for certification under 145.70 - 145.76 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under 145.70 -145.76, if any, has changed.

(5) If a change is required to be reported under paragraph (4), specify the nature of the change, the reason for the change, when the change occurred and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

058 [25 Pa. Code §145.6]

Standard requirements.

(a) Monitoring requirements.

(1) The owners and operators and the NOx authorized account representative of each NOx budget source and each NOx budget unit at the source shall comply with the monitoring requirements of § 145.70—145.76 (relating to recordkeeping

SECTION D. Source Level Requirements

and recording requirements).

(2) The emissions measurements recorded and reported in accordance with § § 145.70—145.76 shall be used to determine compliance by the unit with the NOx budget emissions limitation under subsection (c).

(b) NOx requirements.

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

(2) Each ton of NOx emitted in excess of the NOx budget emissions limitation shall constitute a separate violation of this subchapter and the act.

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

(4) NOx allowances shall be held in, deducted from or transferred among NOx Allowance Tracking System accounts in accordance with § § 145.40—145.43, 145.50—145.57, 145.60—145.62 and 145.80—145.88.

(5) A NOx allowance may not be deducted, to comply with paragraph (1), for a control period in a year prior to the year for which the NOx allowance was allocated.

(6) A NOx allowance allocated by the Department under the NOx Budget Trading Program is a limited authorization to emit 1 ton of NOx in accordance with the NOx Budget Trading Program. No provision of the NOx Budget Trading Program or an exemption under § 145.4(b) or § 145.5 (relating to applicability; and retired unit exemption) and no provision of law limit the authority of the United States or the Department to terminate or limit the authorization.

(7) A NOx allowance allocated by the Department under the NOx Budget Trading Program does not constitute a property right.

(c) Excess emissions. The owners and operators of a NOx budget unit that has excess emissions in any control period shall do the following:

(1) Surrender the NOx allowances required for deduction under § 145.54(d)(1).

(2) Pay any fine, penalty or assessment or comply with any other remedy imposed under § 145.54(d)(3) or the act.

(d) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of the NOx budget source and each NOx budget unit at the source shall maintain at a central location and provide upon request by the Department or the NOx Budget Administrator the following documents for 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Department or the Administrator.

(i) The account certificate of representation for the NOx authorized account representative for the source and each NOx budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with § 145.13 (relating to account certificate of representation). The certificate and documents shall be retained beyond the 5-year period until the documents are superseded because of the submission of a new account certificate of representation changing the NOx authorized account representative.

(ii) The emissions monitoring information, in accordance with § § 145.70—145.76. To the extent that § § 145.70—145.76 provides for a 3-year period for recordkeeping, the 3-year period applies.

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

(iv) Copies of the documents used to complete any submission under the NOx Budget Trading Program or to demonstrate compliance with the NOx Budget Trading Program.

(2) The NOx authorized account representative of a NOx budget source and each NOx budget unit at the source shall submit the reports and compliance certifications required under the NOx Budget Trading Program, including those under § § 145.30, 145.31, 145.70—145.76 and 145.80—145.88.

(e) Liability.

(1) A permit revision may not excuse any violation of the requirements of the NOx Budget Trading Program that occurs

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prior to the date that the revision takes effect.

(2) Each NOx budget source and each NOx budget unit shall meet the requirements of the NOx Budget Trading Program.

(3) Any provision of the NOx Budget Trading Program that applies to a NOx budget source (including a provision applicable to the NOx authorized account representative of a NOx budget source) shall also apply to the owners and operators of the source and of the NOx budget units at the source.

(4) Any provision of the NOx Budget Trading Program that applies to a NOx budget unit (including a provision applicable to the NOx authorized account representative of a NOx budget unit) shall also apply to the owners and operators of the unit. Except with regard to the requirements applicable to units with a common stack under § 145.70—145.76 the owners and operators and the NOx authorized account representative of one NOx budget unit is not liable for any violation by any other NOx budget unit of which they are not owners or operators or the NOx authorized account representative and that is located at a source of which they are not owners or operators or the NOx authorized account representative.

(f) Effect on other authorities. No provision of the NOx Budget Trading Program or an exemption under § 145.4(b) or § 145.5 shall be construed as exempting or excluding the owners and operators and the NOx authorized account representative of a NOx budget source or NOx budget unit from compliance with any other provision of the regulations promulgated under the CAA or the act.

059 [25 Pa. Code §145.74.]

Recordkeeping and reporting.

General provisions.

(1) In addition to the requirements of Chapter 127 (relating to construction, modification, reactivation and operation of sources), the NOx authorized account representative shall comply with the recordkeeping and reporting requirements in this section and with the requirements of 145.10(e) (relating to authorization and responsibilities of the NOx authorized account representative).

(2) If the NOx authorized account representative for a NOx budget unit subject to an acid rain emission limitation who signed and certified any submission that is made under 40 CFR Part 75, Subpart F or G (relating to recordkeeping requirements; and reporting requirements) and which includes data and information required under this subchapter or 40 CFR Part 75, Subpart H (relating to NOx mass emissions provisions) is not the same person as the designated representative or the alternative designated representative for the unit under 40 CFR Part 72 (relating to permits regulation), the submission shall also be signed by the designated representative or the alternative designated representative.

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

Quarterly reports. The NOx authorized account representative shall submit quarterly reports, as follows:

(1) NOx budget units subject to an acid rain emission limitation shall meet the annual reporting requirements of this subchapter. The NOx authorized account representative shall submit a quarterly report for each calendar quarter beginning with one of the following:

(i) For units that elect to comply with the early reduction credit provisions under 145.43 (relating to compliance supplement pool), the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) or (c). Data shall be recorded and reported from the date and hour corresponding to the date and hour of provisional certification.

(ii) For units commencing operation on or before May 1, 2002, and that is not subject to subparagraph (i), the earlier of the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) or (c) or, if the certification tests are not completed by May 1, 2002, the partial calendar quarter from May 1, 2002 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of provisional certification or the first hour on May 1, 2002.

(iii) For a unit that commences operation after May 1, 2002, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(2) If a NOx budget unit is not subject to an acid rain emission limitation, the NOx authorized account representative shall do either of the following:

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(i) Meet all the requirements of 40 CFR Part 75 related to monitoring and reporting NO_x mass emissions during the entire year and meet the reporting deadlines specified in paragraph (1).

(ii) Submit quarterly reports covering the period May 1-September 30 of each year and including the data described in 40 CFR 75.74(c)(6) (relating to annual and ozone monitoring and reporting requirement). The NO_x authorized account representative shall submit a quarterly report for each calendar quarter beginning with:

(A) For units that intend to apply or apply for early reduction credits under 145.43, the calendar quarter that includes the date of initial provisional certification under 145.71(b)(3)(iii) and (c). Data shall be recorded and reported from the date and hour of provisional certification.

(B) For units commencing operation on or before May 1, 2002, and are not subject to subparagraph (i), the calendar quarter covering May 1 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under 145.71(b)(3)(iii) or (c) or the first hour of May 1, 2002.

(C) For units that commence operation after May 1, 2002, and during a control period, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(D) For units that commence operation after May 1, 2002, and not during a control period, the calendar quarter covering the first control period after the unit commences operation. Data shall be reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under 145.71(b)(3)(iii) or (c) or the first hour of May 1 of the first control period after the unit commences operation.

(3) The NO_x authorized account representative shall submit each quarterly report to the Department and NO_x Budget Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR Part 75, Subpart H and 40 CFR 75.64 (relating to quarterly reports).

(i) For units subject to an acid rain emissions limitation, quarterly reports shall include all of the data and information required in 40 CFR Part 75, Subpart H for each NO_x budget unit (or group of units using a common stack) as well as information required in 40 CFR Part 75, Subpart G (relating to reporting requirements).

(ii) For units not subject to an acid rain emissions limitation, quarterly reports are only required to include the data and information required in 40 CFR Part 75, Subpart H for each NO_x budget unit (or group of units using a common stack).

(4) The NO_x authorized account representative shall submit to the Department and NO_x Budget Administrator a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that the following conditions have been met:

(i) The monitoring data submitted were recorded in accordance with the applicable requirements of this subchapter and 40 CFR Part 75, including the quality assurance procedures and specifications.

(ii) For a unit with add-on NO_x emission controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1) (relating to units with add-on emission controls), the add-on emission controls were operating within the range of parameters listed in the quality assurance / quality control program under 40 CFR Part 75, Appendix B and the substitute values do not systematically underestimate NO_x emissions.

(iii) For a unit that is reporting on a control period basis under subparagraph (ii), the NO_x emission rate and NO_x concentration values substituted for missing data under 40 CFR Part 75, Subpart D (relating to missing data substitution procedures) are calculated using only values from a control period and do not systematically underestimate NO_x emissions.

060 [25 Pa. Code §145.8.]

Transition to CAIR NO_x Trading Programs.

(a) Allowances. The final year for NO_x allowance allocations to be made by the Department under §§ 145.41 and 145.42 (relating to timing requirements for NO_x allowance allocations; and NO_x allowance allocations) will be 2008. Allocations in 2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 CFR Part 97 (relating to Federal NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs). CAIR NO_x Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with Subchapter D (relating to CAIR NO_x and SO₂ Trading Programs).

(b) Termination and retirement of allowances. NO_x allowances already allocated under this subchapter for 2009 or later are terminated and may not be used for compliance with the CAIR NO_x Annual Trading Program or the CAIR NO_x Ozone Season Trading Program, as those terms are defined in 40 CFR 96.102 and 96.302 (relating to definitions). By January 1, 2009, the

SECTION D. Source Level Requirements

Department will permanently retire the Commonwealth's non-EGU NOx Trading Program Budget of 3,619 allowances established in § 145.40 (relating to State Trading Program budget).

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

(d) Non-EGU NOx Trading Program Budget. For units subject to the applicability requirements of § 145.4 (relating to applicability), but not subject to the CAIR NOx Ozone Season Trading Program requirements of Subchapter D, the following requirements apply:

(1) Statewide limitation. The sum of NOx ozone season emissions from all units subject to this subsection may not exceed the Commonwealth's non-EGU NOx Trading Program budget of 3,619 tons during any ozone season.

(2) CAIR NOx ozone season allowances. All units subject to this subsection shall monitor and report NOx emissions in accordance with 40 CFR Part 96, Subpart HHHH (relating to monitoring and reporting), and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF (relating to CAIR designated representative for CAIR NOx ozone season sources; and CAIR NOx ozone season allowance tracking system), incorporated into Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NOx Trading Program budget limitation of paragraph (1) and of retiring CAIR NOx ozone season allowances.

(3) CAIR NOx allowances. All units subject to this subsection shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF (relating to CAIR designated representative for CAIR NOx sources; and CAIR NOx allowance tracking system), incorporated into Subchapter D by reference, for the purpose of retiring CAIR NOx allowances.

(4) Emissions below Statewide limitation. If the total ozone season emissions from all units subject to this subsection are less than 3,438 tons of NOx, the Department's permanent retirement of allowances covers all applicable emissions and no additional account transactions are required by the units covered under this subsection.

(5) Allowable emissions per unit. By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:

Allowable emission rate X each unit's heat input

(Formula omitted...refer to regulation for exact formula notation)

Where "Allowable emission rate" = 3,438 tons of NOx

Combined heat input of all units during the most recent ozone season

(6) Allowance surrender for excess emissions. If the combined NOx emissions from all units subject to this subsection exceed 3,438 tons in an ozone season, then a unit whose actual emissions exceed the unit's allowable emissions for that ozone season, as determined under paragraph (5), shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx ozone season allowance and one CAIR NOx allowance for each ton of excess emissions. A unit whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Units under common ownership may include the allowable and actual emissions from multiple units to determine whether a unit must surrender allowances.

(7) Surrender procedure. To surrender allowances under paragraph (6), an owner or operator of a unit shall surrender the required CAIR NOx ozone season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

(i) The serial number of each allowance surrendered.

(ii) The calculations used to determine the quantity of allowances required to be surrendered.

SECTION D. Source Level Requirements

(8) Failure to surrender allowances. If an owner or operator fails to comply with paragraph (6), the owner or operator shall by June 30 surrender three CAIR NO_x ozone season allowances and three CAIR NO_x allowances of the current or later year vintage for each ton of excess emissions as calculated under paragraph (6).

(9) Liability not affected. The surrender of CAIR NO_x ozone season allowances and CAIR NO_x allowances under paragraph (6) does not affect the liability of the owner or operator of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

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

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

(10) Allowance retirement. The Department will permanently retire to the Department's CAIR NO_x retirement account the allowances surrendered under paragraphs (6)--(9).

(11) Actual emissions below allowable emissions. If a facility's allowable emissions exceed the facility's actual emissions for an ozone season, the owner or operator may deduct the difference or any portion of the difference from the actual emissions of units under the facility's common control that are subject to §§ 129.201--129.203 (relating to boilers; stationary combustion turbines; and stationary internal combustion engines).

(12) Corrections. One hundred and eighty-one tons of allowable NO_x emissions are available to the Department annually for accounting corrections.

061 [25 Pa. Code §145.90.] Emission reduction credit provisions.

(a) NO_x budget units may create, transfer and use emission reduction credits (ERCs) in accordance with Chapter 127 (relating to construction, modification, reactivation and operation of sources) and this section. ERCs may not be used to satisfy NO_x allowance requirements.

(b) A NO_x budget unit may transfer NO_x ERCs to a NO_x budget unit if the new or modified NO_x budget unit's ozone season (May 1 through September 30) allowable emissions do not exceed the ozone season portion of the baseline emissions which were used to generate the NO_x ERCs.

(c) A NO_x budget unit may transfer NO_x ERCs to a non-NO_x budget unit under the following conditions:

(1) The non-NO_x budget unit's ozone season (May 1-September 30) allowable emissions may not exceed the ozone season portion of the baseline emissions which were used to generate the NO_x ERCs.

(2) The NO_x allowance tracking system account for NO_x budget units which generated ERCs transferred to non-NO_x budget units, including prior to the date of publication in the Pennsylvania Bulletin, shall have a corresponding number of NO_x allowances retired that reflect the transfer of emissions regulated under this subchapter to the non-NO_x budget units. The amount of annual NO_x allowances deducted shall be equivalent to that portion of the non-NO_x budget unit's NO_x control period allowable emissions which were provided for by the NO_x ERCs from the NO_x budget unit.

(3) Allocations for NO_x allowance control periods following 2002 to the NO_x ERC generating source may not include the allowances identified in paragraph (2).

062 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40Da] Subpart Da - Standards of Performance for Electric Utility Steam Generating Units for Which Construction Is Commenced After September 18, 1978 Applicability and designation of affected facility.

(a) Except as specified in paragraph (e) of this section, the affected facility to which this subpart applies is each electric utility steam generating unit:

(1) That is capable of combusting more than 73 megawatts (MW) (250 million British thermal units per hour (MMBtu/hr)) heat input of fossil fuel (either alone or in combination with any other fuel); and

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(2) For which construction, modification, or reconstruction is commenced after September 18, 1978.

- (b) NA.
- (c) NA.
- (d) NA.
- (e) NA.

[72 FR 32722, June 13, 2007, as amended at 74 FR 5078, Jan. 28, 2009; 77 FR 9448, Feb. 16, 2012]

063 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42Da]
Subpart Da - Standards of Performance for Electric Utility Steam Generating Units for Which Construction Is Commenced After September 18, 1978
Standard for particulate matter.

(a) Except as provided in paragraph (f) of this section, on and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, an owner or operator of an affected facility shall not cause to be discharged into the atmosphere from any affected facility for which construction, reconstruction, or modification commenced before March 1, 2005, any gases that contain PM in excess of 13 ng/J (0.03 lb/MMBtu) heat input.

(b) Except as provided in paragraphs (b)(1) and (b)(2) of this section, on and after the date the initial PM performance test is completed or required to be completed under §60.8, whichever date comes first, an owner or operator of an affected facility shall not cause to be discharged into the atmosphere any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

[77 FR 9450, Feb. 16, 2012, as amended at 78 FR 24083, Apr. 24, 2013; 79 FR 68788, Nov. 19, 2014]

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

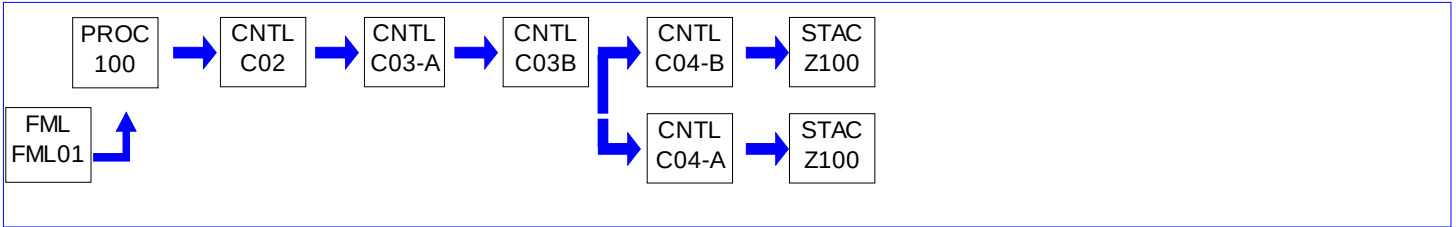
SECTION D. Source Level Requirements

Source ID: 100

Source Name: FUEL PREPARATION SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02



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. *****

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Source ID: 200

Source Name: ASH HANDLING SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

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. *****

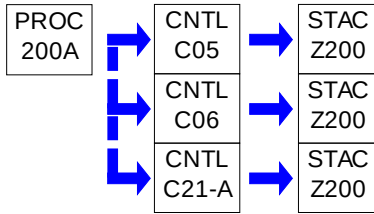
SECTION D. Source Level Requirements

Source ID: 200A

Source Name: FLY ASH TOP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02



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. *****

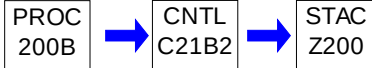
SECTION D. Source Level Requirements

Source ID: 200B

Source Name: BOTTOMASH

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02



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. *****

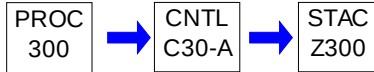
SECTION D. Source Level Requirements

Source ID: 300

Source Name: LIMESTONE MATERIALS HANDLING

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02



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: 400

Source Name: POWER SCREEN

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.512]

Operating permit terms and conditions.

(a) The operation of an anthracite culm processing unit shall not at any time result in the emission of:

Fugitive air contaminants in excess of the limitations specified in 25 Pa. Code §§ 123.1 and 123.2. All reasonable actions shall be taken to prevent particulate matter from becoming airborne. These actions include, but are not limited to, the following:

- (i) Proper installation of a water spray dust suppression system.
- (ii) Application of asphalt, water or suitable chemicals on dirt roads, material stockpiles and other surfaces, which may give rise to airborne dusts.
- (iii) Paving and maintenance of plant roadways.
- (iv) 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, erosions by water, or other means.

002 [25 Pa. Code §127.512]

Operating permit terms and conditions.

(a) Pursuant to the Best Available Technology provision of 25 Pa. Code, Chapter 127.12, the facility is subject to the following requirements;

- (i) Front end loader for material handling.
- (ii) Plant roadway must be delineated by paving or periodic chipping;
- (iii) Tarping of all trucks plus posted notice of tarping requirements.

Throughput Restriction(s).

003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

(a) The facility is restricted to the following production limits:

- (i) The company shall not process more than 200,000 tons of coal per year based on 365 days rolling sum.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

If, at any time, the Department has cause to believe that air contaminant emissions from the sources covered by this operating permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the company shall conduct tests deemed necessary by the Department. The company shall perform such testing in accordance with 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 company is notified, in writing, of the testing requirement.

SECTION D. Source Level Requirements**III. MONITORING REQUIREMENTS.**

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

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit. The file shall include, but not be limited to: all air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this operating permit. All measurements, records and other data required to be maintained by the company shall be retained for at least five (5) years following the date on which such measurements, records or data are recorded.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) Any changes in the location of Source ID 400, or any changes in the process or control equipment would be considered a modification and would require the submittal of an amended application for plan approval in accordance with the provisions of 25 Pa. Code 127.11 and 127.12.

(b) This source is subject to 40 CFR Part 60 Subpart Y of the federal New Source Performance Standards and shall comply with all applicable requirements of this Subpart.

(c) 40 CFR 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the appropriate Regional Office of the Department. The EPA copies shall be forwarded to:

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

(d) Any notification as a result of any condition herein should be directed to:

Mark J. Wejkszner
Program Manager
Department of Environmental Protection
Air Quality Program
2 Public Square
Wilkes-Barre, PA 18701-1915.

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The company shall keep on hand a sufficient quantity of spare nozzles in order to be able to immediately replace any nozzles requiring replacement due to clogging.

(b) The company shall keep on hand such equipment and materials as are necessary to take reasonable action (including but not necessarily limited to the application of water, oil or chemicals) to prevent fugitive particulate matter resulting from

SECTION D. Source Level Requirements

the use of any roadways and/or material stockpiling operations associated with the plant from becoming airborne and shall be used, as necessary, to prevent such fugitive particulate matter from becoming airborne.

(c) Water spray dust suppression systems on anthracite coal processing equipment shall be operated on any and all occasions that the respective plant is operated, except in those unusual instances where processed materials contain sufficient moisture such that operation of the plant without the simultaneous operation of the water spray dust suppression system can take place without creating air contaminant emissions in excess of the limitations and standards of this operating permit. If, however, the water spray dust suppression system is incapable of operation due to weather conditions or any other reason the plant may not operate at all.

(d) Source ID 400 may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval, and the application submitted for said plan approval (as approved by the Department), and in accordance with any conditions set forth herein.

(e) The company shall maintain and operates the air pollution control equipment and sources in accordance with good engineering practice.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The company shall not impose conditions upon or otherwise restrict the Department's access to Source ID 400 and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.

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

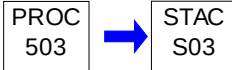
SECTION D. Source Level Requirements

Source ID: 503

Source Name: 465 HP DIESEL GENERATOR (PLANT)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 01
GROUP 03

**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. *****

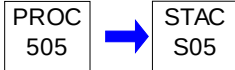
SECTION D. Source Level Requirements

Source ID: 505

Source Name: 196 HP DIESEL FIRE PUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 01
GROUP 03



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: C03-B

Source Name: SECONDARY FUELS BAGHOUSE B(CRUSHER DEK)

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 E. Source Group Restrictions.

Group Name: GROUP 01

Group Description: RICE ENGINES

Sources included in this group

ID	Name
503	465 HP DIESEL GENERATOR (PLANT)
505	196 HP DIESEL FIRE PUMP

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission of particulate matter into the outdoor atmosphere in excess of 0.04 grain 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.

003 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.93.]

NO_x RACT for the Sources listed in GROUP 01 shall be regulated under the Presumptive RACT Requirements. The Oil-Fired Sources must operate less than 500 hours each in a consecutive 12 month period, calculated on a 12-month rolling sum. Presumptive RACT shall be the installation maintenance and operation of each source in accordance with manufacturer's specifications.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

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

What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. Compliance with the numerical emission limitations established in this subpart 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.

For each . . . You must meet the following requirement, except during periods of startup . . .

1. Emergency stationary CI RICE and black start stationary CI RICE¹

- Change oil and filter every 500 hours of operation or annually, whichever comes first.²
- Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.³

During periods of startup you must . . .

Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.³

SECTION E. Source Group Restrictions.

1If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

2Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.

3Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[78 FR 6708, Jan. 30, 2013, as amended at 78 FR 14457, Mar. 6, 2013]

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.

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.93.]

The permittee shall log the hours of operation of each source in GROUP 01 to verify that the 500 hour limit of each source, as calculated on a 12-month rolling sum, is not exceeded.

006 [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?

(a) NA.

(b) NA.

(c) NA.

(d) NA.

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) 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:

(1) NA.

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

(3) NA.

(4) NA.

(5) NA.

(6) NA.

(7) NA.

(8) NA.

(9) NA.

SECTION E. Source Group Restrictions.

(10) NA.

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) NA.

(h) If you operate a new, reconstructed, or existing stationary engine, 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, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. 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 business 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 business 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.

(j) NA.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]

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

How do I monitor and collect data to demonstrate continuous compliance?

(a) If you must comply with emission and operating limitations, you must monitor and collect data according to this section.

(b) Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must monitor continuously at all times that the stationary RICE is operating.

(c) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. You must, however, use all the valid data collected during all other periods.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain records of the quantity of No.2 fuel, by source, used in each source listed in GROUP 01. These records with records of the heating value, ash content, and sulfur content of the No.2 fuel oil shall be used with EPA's AP-42

SECTION E. Source Group Restrictions.

emission factors to determine compliance with GROUP 01 - Conditions #001 and #002.

009 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.93.]

The permittee shall maintain records of hours of operation and maintenance performed on the sources. These records shall be updated on a monthly basis and annual limits shall be calculated on a 12-month rolling sum. All record keeping shall be calculated on a 12-month rolling sum. All record keeping shall be maintained in accordance with SECTION B - General Title V Requirement #024.

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

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

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

§63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) NA.

(c) NA.

(d) NA.

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this

SECTION E. Source Group Restrictions.

paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) NA.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

011 [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?

- (a) NA.
- (b) NA.
- (c) NA.
- (d) NA.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

- (1) NA.
- (2) An existing stationary emergency RICE.
- (3) NA.

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep 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 engine is used for the purposes specified in §63.6640(f)(2)(ii) or (iii) or §63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) NA.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

SECTION E. Source Group Restrictions.**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

- (a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).
- (b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

To demonstrate compliance with the emission limitations of GROUP 01 - Conditions #001 and #002, the permittee shall, on a quarterly basis, compile a sulfur dioxide (SO₂ in lbs/MMBtu) and particulate matter (PM in lbs/hr) emission report for operations during the preceding three (3) months. This report shall be submitted to the Department within thirty (30) days of the close of each calendar quarter.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What notifications must I submit and when?**

- (a) You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified.
- (b) NA.
- (c) NA.
- (d) If you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), your notification should include the information in §63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE).
- (e) NA.
- (f) NA.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What reports must I submit and when?**

- (a) through (e) and (g) are not applicable.
- (f) Each affected source that has obtained a Title V Operating Permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart,

SECTION E. Source Group Restrictions.

submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

VI. WORK PRACTICE REQUIREMENTS.

016 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, Section 129.93.]

The installation, maintenance and operation of the source shall be performed in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

017 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The engine sources of GROUP 01 are subject to 40 CFR 60, Subpart ZZZZ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines since they are located at a major source of HAPs.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

What parts of the General Provisions apply to me?

Table 8 of this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you. If you own or operate an existing 2SLB, an existing 4SLB stationary RICE, an existing CI stationary RICE, an existing stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE, you do not need to comply with any of the requirements of the General Provisions. If you own or operate a new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE, you do not need to comply with the requirements in the General Provisions except for the initial notification requirements.

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

SECTION E. Source Group Restrictions.

Group Name: GROUP 02

Group Description: LIME AND FLY ASH HANDLING

Sources included in this group

ID	Name
100	FUEL PREPARATION SYSTEM
200	ASH HANDLING SYSTEM
200A	FLY ASH TOP
200B	BOTTOM ASH
300	LIMESTONE MATERIALS HANDLING

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The permittee may not may permit the emission into the outdoor atmosphere of particulate matter from these processes in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

Each baghouse/dust collector must be equipped with a device for monitoring the pressure differential across the system.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain a logbook detailing any visible emission occurrences relating to GROUP 02 - Condition #001. The logbook shall describe the actions taken to correct the emissions and the plans implemented to prevent any future occurrences. The records shall be maintained in accordance with SECTION B - General Title V Requirement, Condition #024.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The facility shall record the results of the visual inspections of the control devices. The results of the inspection shall be recorded on a daily basis, maintained in a logbook, and made available to the Department upon request. The records of the inspections shall be maintained in accordance with SECTION B - General Title V Requirements, Condition #024.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The pressure differential measured across each control device shall be recorded weekly.

(b) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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).

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall keep on hand a sufficient quantity of spare filters for the baghouses/dust collectors associated with these sources in order for immediate requirement of replacement due to deterioration resulting from routine operation of the sources.

007 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The permittee shall, on a daily basis, perform a visual inspection of the coal conveyors and associated equipment to verify compliance with SECTION C - Condition #001.

008 [25 Pa. Code §127.512]

Operating permit terms and conditions.

Whenever the sources are in operation, the control devices for these sources shall be in operation. On a daily basis, the control devices for the sources shall be inspected. The inspection shall consist of a visible inspection to insure compliance with SECTION C - Conditions #001 and #002.

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: GROUP 03

Group Description: COMBUSTION UNITS

Sources included in this group

ID	Name
031	COMBUSTION ENG/LURGI
503	465 HP DIESEL GENERATOR (PLANT)
505	196 HP DIESEL FIRE PUMP

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

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

Grades Commercial Fuel Oil % Sulfur No. 2 and Lighter (0.05% sulfur by weight and viscosity less than or equal to 5.820cSt).

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

To demonstrate compliance with GROUP 03 - Condition #001, the permittee shall comply with the following requirements:

(a) The permittee shall perform an analysis of the No. 2 fuel oil delivered to the facility. A representative sample shall be obtained and tested. The fuel characteristics to be determined shall include, but not limited to, the following:

- (1) The heating value (Btu/lb)
- (2) The percent (%) sulfur content, by weight
- (3) The percent (%) ash content, by weight

Testing shall be done in accordance with reference test method ASTM D-129-64 and 25 Pa. Code, Chapter 139.

(b) If the supplier of the oil can provide certification of the values of the fuel characteristics mentioned in section (a) (specific to the No. 2 fuel oil delivered to the facility), the permittee may substitute such certification (signed and notarized by a responsible official) for the analysis of a representative sample.

003 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

If requested by the Department, the company shall perform a stack test in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection within the time specified by the Department.

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 §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record the results of each complete fuel oil analysis, any fuel characteristic certifications, the quantity of No. 2 fuel oil used and the hours of operation of the sources. These records shall be used, with EPA's AP-42 emission factors, in the calculation of sulfur emissions from the facility.

SECTION E. Source Group Restrictions.

All records shall be maintained in accordance with General Title V Requirement #024.

005 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of the Group Level Requirements and Section 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa. Code Section 129.91-94 are met. The file shall include, but not be limited to: air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this Group Level Requirement. All measurements, records and other data required to be maintained by the company shall be maintained in accordance with the SECTION B - General Title V Requirement #024.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a report of all fuel analysis and fuel characteristic certifications for the culm and No. 2 fuel oil delivered to the facility. The report shall be updated on a monthly basis and made available to the Department upon request.

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 E. Source Group Restrictions.

Group Name: GROUP 04

Group Description: RACT II Presumptive Sources for NO_x or VOCs for Combustion Units

Sources included in this group

ID	Name
031	COMBUSTION ENG/LURGI

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

(a) The owner and operator of a source listed in one or more of subsections (b)—(h) located at a major NO_x emitting facility or major VOC emitting facility subject to § 129.96 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (k)—(m) or § 129.99 (relating to alternative RACT proposal and petition for alternative compliance schedule):

- (1) January 1, 2017, for a source subject to § 129.96(a).
- (2) January 1, 2017, or 1 year after the date the source meets the definition of a major NO_x emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.96(b).

(g) Except as specified under subsection (c), the owner and operator of a NO_x air contamination source specified in this subsection, which is located at a major NO_x emitting facility or a VOC air contamination source specified in this subsection, which is located at a major VOC emitting facility subject to § 129.96 may not cause, allow or permit NO_x or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation:

- (1) A combustion unit or process heater:
 - (ii) For a distillate oil-fired combustion unit or process heater with a rated heat input equal to or greater than 50 million Btu/hour, 0.12 lb NO_x/million Btu heat input.
 - (vi) For a coal-fired combustion unit with a rated heat input equal to or greater than 250 million Btu/hour that is:
 - (A) A circulating fluidized bed combustion unit, 0.16 lb NO_x/million Btu heat input.

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.**# 002 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NO_x requirement or RACT emission limitation or VOC requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

- (1) For an air contamination source with a CEMS, monitoring and testing in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a 30-day rolling average, except municipal waste combustors.
 - (i) A 30-day rolling average emission rate for an air contamination source that is a combustion unit shall be expressed in pounds per million Btu and calculated in accordance with the following procedure:

SECTION E. Source Group Restrictions.

- (A) Sum the total pounds of pollutant emitted from the combustion unit for the current operating day and the previous 29 operating days.
- (B) Sum the total heat input to the combustion unit in million Btu for the current operating day and the previous 29 operating days.
- (C) Divide the total number of pounds of pollutant emitted by the combustion unit for the 30 operating days by the total heat input to the combustion unit for the 30 operating days.
 - (ii) A 30-day rolling average emission rate for each applicable RACT emission limitation shall be calculated for an affected air contamination source for each consecutive operating day.
 - (iii) Each 30-day rolling average emission rate for an affected air contamination source must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.
- (2) NA.
- (3) NA.
- (4) NA.
- (b) Except as provided in § 129.97(k) and § 129.99(i) (relating to alternative RACT proposal and petition for alternative compliance schedule), the owner and operator of an air contamination source subject to subsection (a) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation in accordance with the procedures in subsection (a) not later than:
 - (1) January 1, 2017, for a source subject to § 129.96(a) (relating to applicability).
 - (2) January 1, 2017, or 1 year after the date that the source meets the definition of a major NOx emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.96(b).
- (c) An owner or operator of an air contamination source subject to this section, § § 129.96 and 129.97 and § 129.98 (relating to facility-wide or system-wide NOx emissions averaging plan general requirements) may request a waiver from the requirement to demonstrate compliance with the applicable emission limitation listed in § 129.97 if the following requirements are met:
 - (1) The request for a waiver is submitted, in writing, to the Department not later than:
 - (i) October 24, 2016, for a source subject to § 129.96(a).
 - (ii) October 24, 2016, or 6 months after the date that the source meets the definition of a major NOx emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.96(b).
 - (2) The request for a waiver demonstrates that a Department-approved emissions source test was performed in accordance with the requirements of Chapter 139, Subchapter A, on or after:
 - (i) April 23, 2015, for a source subject to § 129.96(a).
 - (ii) April 23, 2015, or within 12 months prior to the date that the source meets the definition of a major NOx emitting facility or major VOC emitting facility, whichever is later, for a source subject to § 129.96(b).
 - (3) The request for a waiver demonstrates to the satisfaction of the Department that the test results show that the source's rate of emissions is in compliance with the source's applicable NOx emission limitation or VOC emission limitation.
 - (4) The Department approves, in writing, the request for a waiver.
- (d) The owner and operator of an air contamination source subject to this section and § § 129.96—129.99 shall keep records to demonstrate compliance with § § 129.96—129.99 in the following manner:
 - (1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96—129.99 are met.
 - (2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.
- (e) Beginning with the compliance date specified in § 129.97(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable NOx emission rate threshold specified in § 129.99(b) and the requirements of § 129.97 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.
- (f) NA.
- (g) The owner or operator of a combustion unit subject to § 129.97(b) shall record each adjustment conducted under the procedures in § 129.97(b). This record must contain, at a minimum:

SECTION E. Source Group Restrictions.

- (1) The date of the tuning procedure.
- (2) The name of the service company and the technician performing the procedure.
- (3) The final operating rate or load.
- (4) The final NOx and CO emission rates.
- (5) The final excess oxygen rate.
- (6) Other information required by the applicable operating permit.

(h) NA.

(i) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

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 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.

- (a) The Department received the operating permit application for this facility on 08/31/2009.
- (b) This permit is a renewal of operating permit TV 54-00008 and includes conditions from Plan Approval #54-035-021 issued June 21, 2007, RACT Permit #54-0008 issued May 26, 1995, and Acid Rain Permit Application attached.
- (c) This is a Title V Operating Permit facility.
- (d) The following is a list of sources that have been determined by the Department to be of minor significance under 25 Pa. Code, Chapter 127, Section 127.14(a)(8) and are not regulated in this TV Operating Permit. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-143:
1. RFD #54-0549 issued 04/26/2016 for permission to burn 125 ton of virgin wood chips that were purchased in 2015 for an approved trial burn.
 2. RFD #54-0527 issued 06/12/2015 for permission to burn up to 1000 tons of biomass up to a period of six months.
 3. RFD #54-0507 issued 10/03/2014 for replacement of an existing baghouse (CO3-A) with a more efficient baghouse.



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