



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

TITLE V/STATE OPERATING PERMIT

Issue Date:	October 28, 2015	Effective Date:	October 17, 2019
Revision Date:	October 17, 2019	Expiration Date:	October 28, 2020
Revision Type:	Amendment		

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

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

TITLE V Permit No: 32-00059

Federal Tax Id - Plant Code: 83-3299524-1

Owner Information

Name: KEYSTONE CONEMAUGH PROJ LLC
Mailing Address: 175 CORNELL RD STE 1
BLAIRSVILLE, PA 15717-8076

Plant Information

Plant: CONEMAUGH STATION
Location: 32 Indiana County 32936 West Wheatfield Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: CARSON J. LEIKAM
Title: GEN MGR - CONEMAUGH STA
Phone (724) 235 - 4500

Permit Contact Person

Name: JOHN P SHIMSHOCK
Title: ENV SPEC - CONEMAUGH STA
Phone: (724) 235 - 4596

[Signature] _____
ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



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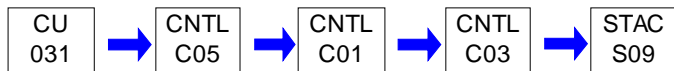
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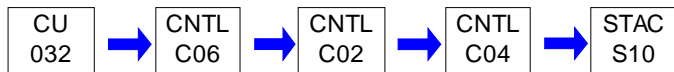
Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	MAIN BOILER 1 (PC, 8,280 MMBTU/HR)	8,280.000	MMBTU/HR
032	MAIN BOILER 2 (PC, 8,280 MMBTU/HR)	8,280.000	MMBTU/HR
039	AUXILIARY BOILER A (211.5 MMBTU/HR, STARTUP BOILER)	211.500	MMBTU/HR
041	AUXILIARY BOILER B (212.5 MMBTU/HR)	212.500	MMBTU/HR
101	PLANT FUGITIVE EMISSION SOURCES		
102	2 EMERGENCY DIESEL GENERATORS (1,662-BHP, EACH)		
103	FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY)		
104	PEAKING DIESEL A (3,600-BHP)		
105	PEAKING DIESEL B (3,600-BHP)		
106	PEAKING DIESEL C (3,600-BHP)		
107	PEAKING DIESEL D (3,600-BHP)		
108	PLANT SPACE HEATERS (29 MMBTU/HR)	29.000	MMBTU/HR
109	GASOLINE STORAGE TANKS		
110	COAL PROCESSING PLANT		
111	SORBENT STORAGE SILOS		
112	FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY)		
C01	ESP 1		
C02	ESP 2		
C03	FLUE GAS DESULPH. (SCRUBBER-UNIT 1)		
C04	FLUE GAS DESULPH. (SCRUBBER-UNIT 2)		
C05	LNB W/SOFA 1		
C06	LNB W/SOFA 2		
C07	SCR WITH AQUEOUS AMMONIA INJECTION (UNIT 1)		
C08	SCR WITH AQUEOUS AMMONIA INJECTION (UNIT 2)		
C101	UNIT 1 SORBENT INJECTION SYSTEM		
C102	UNIT 2 SORBENT INJECTION SYSTEM		
C111	BIN VENT FILTERS		
S03	AUX BOILERS STACK		
S04	DIESEL A STACK		
S05	DIESEL B STACK		
S06	DIESEL C STACK		
S07	DIESEL D STACK		
S09	BOILER 1 FGD STACK		
S10	BOILER 2 FGD STACK		
S111	LIMESTONE/SO3 SORBENT STORAGE SILO EMISSIONS POINTS		
Z101	PLANT FUGITIVES		
Z110	CONEMAUGH COAL PROCESSING PLANT FUGITIVES		



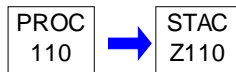
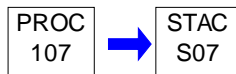
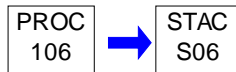
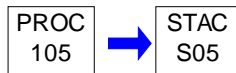
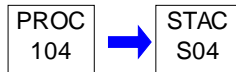
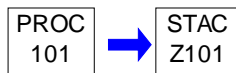
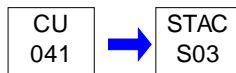
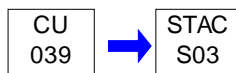
PERMIT MAPS



Alternative Operation:



Alternative Operation:



**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

**SECTION B. General Title V Requirements**

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).

**SECTION B. General Title V Requirements**

(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.

**SECTION B. General Title V Requirements**

(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,

**SECTION B. General Title V Requirements**

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 §121.7]****Prohibition of air pollution.**

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

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

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

(1) Construction or demolition of buildings or structures.

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

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Not applicable.

(8) Not applicable.

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and § 123.2 (relating to fugitive particulate matter) or of the requirements of § 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) See Work Practice Standards.

(d) Not applicable.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

**SECTION C. Site Level Requirements****# 004 [25 Pa. Code §123.31]****Limitations**

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

005 [25 Pa. Code §123.41]**Limitations**

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

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

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

006 [25 Pa. Code §129.14]**Open burning operations**

- (a) Not applicable.
- (b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:
 - (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
 - (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
 - (3) The emissions interfere with the reasonable enjoyment of life or property.
 - (4) The emissions cause damage to vegetation or property.
 - (5) The emissions are or may be deleterious to human or animal health.
- (c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:
 - (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
 - (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
 - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
 - (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.

**SECTION C. Site Level Requirements**

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

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

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

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

(2) Not applicable.

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

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

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

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

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

Fuel Restriction(s).

007 [25 Pa. Code §123.22]

Combustion units

(a) Nonair basin areas. Combustion units in nonair basin areas must conform with the following:

(1) N/A.

(2) Commercial fuel oil.

(i) Except as specified in subparagraphs (ii) and (iii), a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in nonair basin areas if the commercial fuel oil contains sulfur in excess of the applicable maximum allowable sulfur content set forth in the following tables:

(First Table) Grades Commercial Fuel Oil Maximum Allowable % Sulfur by Weight through June 30, 2016

No. 2 and Lighter (viscosity less than or equal to 5.820cSt) - 0.5

(Second Table) Maximum Allowable Sulfur Content Beginning July 1, 2016, Expressed as Parts per Million (ppm) by Weight or Percentage by Weight

Grades Commercial Fuel Oil (Consistent with ASTM D396)

No. 2 and lighter oil - 500 ppm (0.05%)

**SECTION C. Site Level Requirements**

(ii) Commercial fuel oil that was stored in this Commonwealth by the ultimate consumer prior to July 1, 2016, which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in subparagraph (i) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(iii) - (iv) N/A.

(3) - (4) N/A.

(b) - (h) N/A.

[The Conemaugh Station does not combust fuel oil heavier than No. 2. Prior to July 1, 2016, compliance with Table 1 for Auxiliary Boiler B (Source ID 041) is assured by 40 CFR Part 60, Subpart Db.]

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

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

009 [25 Pa. Code §139.1]**Sampling facilities.**

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

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

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

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

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

(c) This inspection may not require a Method 9 certified observer. However, if visible stack emissions in excess of permit limit persist beyond 24-hours (Or 48-hours on weekends or holidays.) and the condition is not abated, an observer certified in EPA Reference Method 9, found at 40 CFR Part 60, Appendix A, shall record Visible Emissions of the stack using the method for at least 1 hour during each 6-hour daylight period, until the opacity has been corrected.

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

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

The weekly inspection of the SCR and Sorbent Injection systems required in Condition #002 of III.-Monitoring

**SECTION C. Site Level Requirements**

Requirements, Section D, Source ID 111, of Plan Approval PA-32-00059E shall be combined into the required daily inspection required in this section of this permit. These portions of the daily inspection will take place on a daily basis, but shall only be required when the SCR and Sorbent Injection systems are operating. The results of these portions of the daily inspection shall be subject to the recordkeeping and reporting requirement of the daily inspection.

IV. RECORDKEEPING REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

At a minimum, all records and necessary calculations shall be retained for a minimum of at least five (5) years. These records and calculations shall be made available to the Department upon request.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

(b) These records shall be maintained in a logbook, or equivalent recordkeeping approach.

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

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The Owner/Operator shall maintain on site the following comprehensive and accurate records:

(a) Amount of ammonia, limestone, hydrated lime, or other stockpiled material delivered to the Facility per month.

(b) Amount of ammonia, limestone, hydrated lime, or other stockpiled material used in Units 1 and 2 each month.

(c) Pressure drop readings across each installed bin vent collector during silo loading, once per week.

(d) The manufacturer's recommended maintenance schedule for, and all maintenance activities performed on, the SCR systems.

(e) The manufacturer's recommended maintenance schedule for, and all maintenance activities performed on, each bin vent collector and ammonia tank.

[From PA-32-00059E, Section C, Condition #004.]

015 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The Owner/Operator shall maintain monthly records of operating hours and fuel consumption for each source at this facility. Records shall include coal, fuel oil, ammonia use by each SCR, and limestone consumption. These records shall be used to calculate emissions for the sources at the facility and shall be used to determine compliance with emission limitations as appropriate.

In addition, as established in RACT Operating Permit 32-000-059 and in accordance with 25 Pa Code §129.95, the permittee shall keep sufficient records to demonstrate compliance with the limitations, restrictions and requirements of the RACT Operating Permit. These records shall provide sufficient data and calculations to clearly demonstrate compliance with all averaging times and periods.

016 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including

**SECTION C. Site Level Requirements**

computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

V. REPORTING REQUIREMENTS.**# 017 [25 Pa. Code §127.442]****Reporting requirements.**

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

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

(c) The report shall describe the:

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

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

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

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

PADEP
Office of Air Quality
230 Chestnut Street
Meadville, PA 16335
814-332-6945

018 [25 Pa. Code §127.442]**Reporting requirements.**

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

019 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

Owner/operator shall submit the semi-annual monitoring reports for this facility 30 days after the end of each reporting period. The January 30 semi-annual monitoring report shall cover the period from July 1 through December 31. This semi-annual monitoring report may be included in the Title V Compliance Certification required by Title 25 PA Code § 127.513. The July 30 semi-annual monitoring report shall cover the period from January 1 through June 30. However, in accordance with Title 25 PA Code § 127.511(c), in no case shall the semi-annual monitoring report be submitted less often

**SECTION C. Site Level Requirements**

than every six (6) months.

020 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The following is required with respect to applicable required reporting:

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

(2) Reporting of deviations from permit requirements within the time required by the terms and conditions of the permit including those attributable to malfunctions as defined in the permit, the probable cause of the deviations and corrective actions or preventive measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source.

021 [25 Pa. Code §127.513]**Compliance certification.**

Permittee shall submit a Compliance Certification sufficient to demonstrate compliance with terms and conditions contained in the permit. Each Compliance Certification shall include the following:

- (a) The identification of each term or condition of the permit that is the basis of the certification.
- (b) The compliance status.
- (c) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (d) Whether compliance was continuous or intermittent.
- (e) Other facts the Department may require to determine the compliance status of the source.

Owner/operator shall submit a Title V Compliance Certification for this facility by January 30 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. This Certification shall be submitted to both the Director, Air, Toxics, and Radiation of EPA, Region III and the Regional Air Quality Program Manager, PA DEP. The Title V Compliance Certification may be emailed to EPA Region III at R3_APD_Permits@epa.gov in lieu of mailing a hard copy. However, in accordance with Title 25 PA Code § 127.513(5)(i), in no case shall the Title V Compliance Certification be submitted less often than annually. This may require that an interim Title V Compliance Certification (covering a period less than one year) be submitted to bring the facility into compliance with this schedule.

022 [25 Pa. Code §135.21]**Emission statements**

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

023 [25 Pa. Code §135.3]**Reporting**

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

(b) N/A.

(c) The source owner or operator may request an extension of time from the Department for the filing of a source report,

**SECTION C. Site Level Requirements**

and the Department may grant the extension for reasonable cause.

024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]**Subpart A - General Provisions****Address.**

Sources at the facility are subject to the applicable requirements of the following regulations and shall comply with all applicable notification and reporting requirements contained in 40 CFR, Part 60,

Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units) and;

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

and contained in 40 CFR, Part 63,

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

Subpart DDDDD (National Emission Standards for Hazardous Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.); and;

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

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

Director, Air Protection Division
Environmental Protection Agency
Region III
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103-2029

PA Department of Environmental Protection
Regional Air Quality Program Manager
230 Chestnut Street
Meadville, PA 16335

This permit contains language from the Code of Federal Regulations (CFR). Should the wording of the federal citations of the conditions in this permit be changed in the CFR, the new wording shall supersede the language of this permit.

025 [40 CFR Part 68 EPA Provisions for Chemical Accident Prevention §40 CFR 68.150]**Subpart G - Risk Management Plan****Submission.**

An updated Risk Management Plan shall be submitted to both EPA and the Department prior to the storage on site of any regulated toxic substances in excess of the threshold quantities listed in Table 1 to 40 CFR § 68.130 and in excess of the substances contained in the existing plan for the facility. The Risk Management Plan shall include all of the requirements of 40 CFR Part 68, Subpart G.

[From PA-32-00059E, Section C, Condition #007.]

VI. WORK PRACTICE REQUIREMENTS.**# 026 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(c) A person responsible for any source specified in § 123.1 (a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

**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.

027 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee is authorized to evaporate non-hazardous chemical cleaning waste generated at the facility, in Unit 1 or Unit 2 provided that the waste feed rate does not exceed 400 gallons/minute.

028 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

All air contamination sources and controls shall be operated per the manufacturer's specifications and maintained according to the manufacturer's recommended maintenance schedule.

[From PA-32-00059E, Section C, Condition #008.]

029 [25 Pa. Code §127.444]**Compliance requirements.**

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

030 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 031 [25 Pa. Code §123.42]****Exceptions**

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

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in § 123.1 (a)(1)-(9) (relating to prohibition of certain fugitive emissions).
- (4) N/A.

032 [25 Pa. Code §123.43]**Measuring techniques**

Visible emissions may be measured using either of the following:

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

**SECTION C. Site Level Requirements****# 033 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The plant manager is officially recognized as a delegated responsible official.

034 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Mass emissions may be determined using engineering calculations based on fuel and raw material purchase records, manufacturers specifications, AP-42 emission factors, source test results, operating records, material balance methods, and/or other applicable methods with written Departmental approval.

035 [25 Pa. Code §129.96]**Applicability**

(a) The NOx requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in §§ 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

(b) N/A

(c) This section and §§ 129.97—129.100 do not apply to the owner and operator of a NOx air contamination source located at a major NOx emitting facility that has the potential to emit less than 1 TPY of NOx or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

(d) N/A

[The Conemaugh Generating Station is both a major NOx and VOC emitting facility and sources at the facility (Source IDs 031, 032, 039, 041, 102 - 108, 112) have applicable requirements under RACT II (25 Pa. Code §§ 129.96 - 129.100).]

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 *****

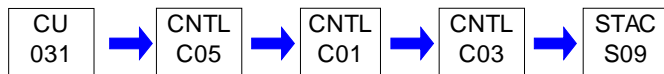
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: MAIN BOILER 1 (PC, 8,280 MMBTU/HR)

Source Capacity/Throughput: 8,280.000 MMBTU/HR

Conditions for this source occur in the following groups: G01
G06



This source occurs in alternate operation OPTIONAL SORBENT INJECTION SYSTEM 1

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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Transport Rule (TR) Trading Program Title V Requirements

Description of TR Monitoring Provisions

The TR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following table(s). These unit(s) are subject to the requirements for the TR NO_x Annual Trading Program, TR NO_x Ozone Season Trading Program, and TR SO₂ Group 1 Trading Program.

**SECTION D. Source Level Requirements**

Table A - Unit ID: Main Boiler 1 (8,280 MMBtu/hr, coal-fired, PC Boiler, Source ID 031)

1. Does the continuous emission monitoring system (CEMS) meet its requirements pursuant to 40 CFR Part 75, Subpart B (for SO₂ monitoring) and 40 CFR Part 75, Subpart H (for NO_x monitoring)?

Parameter

SO ₂	Yes
NO _x	Yes
Heat Input	Yes

2. Does the CEMS have EPA-approved alternative monitoring system requirements pursuant to 40 CFR Part 75, Subpart E?

Parameter

SO ₂	No
NO _x	No
Heat Input	No

1. The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 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 Group 1 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.

2. Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at <http://www.epa.gov/airmarkets/emissions/monitoringplans.html>.

3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR 75.66 and 97.435 (TR NO_x Annual Trading Program), 97.535 (TR NO_x Ozone Season Trading Program), 97.635 (TR SO₂ Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.

4. Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.430 through 97.434 (TR NO_x Annual Trading Program), 97.530 through 97.534 (TR NO_x Ozone Season Trading Program), 97.630 through 97.634 (TR SO₂ Group 1 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 97.435 (TR NO_x Annual Trading Program), 97.535 (TR NO_x Ozone Season Trading Program), 97.635 (TR SO₂ Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.

5. The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.430 through 97.434 (TR NO_x Annual Trading Program), 97.530 through 97.534 (TR NO_x Ozone Season Trading Program), 97.630 through 97.634 (TR SO₂ Group 1 Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.

002 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.404] Subpart AAAAA - CSAPR NO_x Annual Trading Program Applicability.

(a) Main Boiler 1. (Source ID 031) is subject to the applicable requirements of 40 CFR Part 97, Subpart AAAAA - TR NO_x Annual Trading Program As determined by § 97.410 and adjusted on an annual basis by EPA, Boiler 1 (Source ID 031) is

**SECTION D. Source Level Requirements**

allocated the following TR NOx Annual allowances for the years 2015 through 2020.

Year	NOx Annual Allocation (tons)
2015	6,149
2016	6,149
2017	6,105
2018	6,105
2019	6,105
2020	6,105

(b) In accordance with 40 CFR § 97.421, EPA will announce in a notice of data availability and record in the Boiler 1's Annual NOx Compliance Account, the allowance allocations for control periods beyond the year 2020.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

003 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.504] Subpart BBBBB - CSAPR NOx Ozone Season Group 1 Trading Program Applicability.

(a) Main Boiler 1. (Source ID 031) is subject to the applicable requirements of 40 CFR Part 97, Subpart BBBBB - TR NOx Ozone Season Trading Program. As determined by § 97.510 and adjusted on an annual basis by EPA, Boiler 1 (Source ID 031) is allocated the following TR NOx Ozone Season (May 1 through September 30) allowances for the years 2015 through 2020.

Year	NOx Ozone Season Annual Allocation (tons)
2015	3,107
2016	3,107
2017	3,080
2018	3,080
2019	3,080
2020	3,080

(b) In accordance with 40 CFR § 97.521, EPA will announce in a notice of data availability and record in the Boiler 1's Annual NOx Ozone Season Compliance Account, the allowance allocations for control periods beyond the year 2020.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

004 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.604] Subpart CCCCC - CSAPR SO2 Group 1 Trading Program Applicability.

(a) Main Boiler 1. (Source ID 031) is subject to the applicable requirements of 40 CFR Part 97 Subpart CCCCC - TR SO2 Group 1 Trading Program. As determined by § 97.610 and adjusted on an annual basis by EPA, Boiler 1 (Source ID 031) is allocated the following TR SO2 Group 1 allowances for the years 2015 through 2020.

Year	SO2 Group 1 Annual Allocation (tons)
2015	4,201
2016	4,201
2017	4,201
2018	4,201
2019	4,201
2020	4,201

**SECTION D. Source Level Requirements**

(b) In accordance with 40 CFR § 97.621, EPA will announce in a notice of data availability and record in the Boiler 1's Annual SO₂ Group 1 Compliance Account, the allowance allocations for control periods beyond the year 2020.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

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

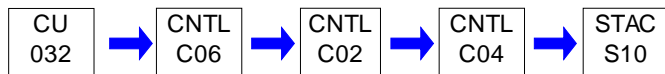
**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: MAIN BOILER 2 (PC, 8,280 MMBTU/HR)

Source Capacity/Throughput: 8,280.000 MMBTU/HR

Conditions for this source occur in the following groups: G01
G06



This source occurs in alternate operation OPTIONAL SORBENT INJECTION SYSTEM 2

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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Transport Rule (TR) Trading Program Title V Requirements

Description of TR Monitoring Provisions

The TR subject unit, and the unit-specific monitoring provisions at this source, are identified in the following table. This unit is subject to the requirements for the TR NO_x Annual Trading Program, TR NO_x Ozone Season Trading Program, and TR SO₂ Group 1 Trading Program.

**SECTION D. Source Level Requirements**

Table B - Unit ID: Main Boiler 2 (8,280 MMBtu/hr, coal-fired, PC Boiler, Source ID 032)

1. Does the continuous emission monitoring system (CEMS) meet its requirements pursuant to 40 CFR Part 75, Subpart B (for SO₂ monitoring) and 40 CFR Part 75, Subpart H (for NO_x monitoring)?

Parameter

SO ₂	Yes
NO _x	Yes
Heat Input	Yes

2. Does the CEMS have EPA-approved alternative monitoring system requirements pursuant to 40 CFR Part 75, Subpart E?

Parameter

SO ₂	No
NO _x	No
Heat Input	No

1. The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 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 Group 1 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.

2. Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at <http://www.epa.gov/airmarkets/emissions/monitoringplans.html>.

3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR 75.66 and 97.435 (TR NO_x Annual Trading Program), 97.535 (TR NO_x Ozone Season Trading Program), 97.635 (TR SO₂ Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.

4. Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.430 through 97.434 (TR NO_x Annual Trading Program), 97.530 through 97.534 (TR NO_x Ozone Season Trading Program), 97.630 through 97.634 (TR SO₂ Group 1 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 97.435 (TR NO_x Annual Trading Program), 97.535 (TR NO_x Ozone Season Trading Program), 97.635 (TR SO₂ Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.

5. The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.430 through 97.434 (TR NO_x Annual Trading Program), 97.530 through 97.534 (TR NO_x Ozone Season Trading Program), 97.630 through 97.634 (TR SO₂ Group 1 Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.

002 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.404] Subpart AAAAA - CSAPR NO_x Annual Trading Program Applicability.

(a) Main Boiler 2. (Source ID 032) is subject to the applicable requirements of 40 CFR Part 97, Subpart AAAAA - TR NO_x Annual Trading Program. As determined by § 97.410 and adjusted on an annual basis by EPA, Boiler 2 (Source ID 032) is

**SECTION D. Source Level Requirements**

allocated the following TR NOx Annual allowances for the years 2015 through 2020.

Year	NOx Annual Allocation (tons)
2015	5,754
2016	5,754
2017	5,713
2018	5,713
2019	5,713
2020	5,713

(b) In accordance with 40 CFR § 97.421, EPA will announce in a notice of data availability and record in the Boiler 2's Annual NOx Compliance Account, the allowance allocations for control periods beyond the year 2020.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

003 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.504] Subpart BBBBB - CSAPR NOx Ozone Season Group 1 Trading Program Applicability.

(a) Main Boiler 2. (Source ID 032) is subject to the applicable requirements of 40 CFR Part 97, Subpart BBBBB - TR NOx Ozone Season Trading Program. As determined by § 97.510 and adjusted on an annual basis by EPA, Boiler 2 (Source ID 032) is allocated the following TR NOx Ozone Season (May 1 through September 30) allowances for the years 2015 through 2020.

Year	NOx Ozone Season Annual Allocation (tons)
2015	2,968
2016	2,968
2017	2,942
2018	2,942
2019	2,942
2020	2,942

(b) In accordance with 40 CFR § 97.521, EPA will announce in a notice of data availability and record in the Boiler 2's Annual NOx Ozone Season Compliance Account, the allowance allocations for control periods beyond the year 2020.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

004 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.604] Subpart CCCCC - CSAPR SO2 Group 1 Trading Program Applicability.

(a) Main Boiler 2. (Source ID 031) is subject to the applicable requirements of 40 CFR Part 97 Subpart CCCCC - TR SO2 Group 1 Trading Program. As determined by § 97.610 and adjusted on an annual basis by EPA, Boiler 2 (Source ID 032) is allocated the following TR SO2 Group 1 allowances for the years 2015 through 2020.

Year	SO2 Group 1 Annual Allocation (tons)
2015	3,921
2016	3,921
2017	3,921
2018	3,921
2019	3,921
2020	3,921

**SECTION D. Source Level Requirements**

(b) In accordance with 40 CFR § 97.621, EPA will announce in a notice of data availability and record in the Boiler 2's Annual SO₂ Group 1 Compliance Account, the allowance allocations for control periods beyond the year 2020.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

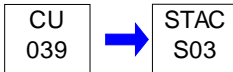
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**SECTION D. Source Level Requirements**

Source ID: 039

Source Name: AUXILIARY BOILER A (211.5 MMBTU/HR, STARTUP BOILER)

Source Capacity/Throughput: 211.500 MMBTU/HR

Conditions for this source occur in the following groups: G03
G06**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person shall not permit the emission into the outdoor atmosphere of particulate matter from Auxiliary Boiler A in excess of 0.180 pounds per MMBtu.

[Compliance with this restriction is ensured by compliance with Condition #002.]

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

In accordance with the conditions of Plan Approval/Operating Permit 32-302-033A:

Emissions from this unit shall not exceed the following:

WHEN BURNING NATURAL GAS

Pollutant	lb/mmBtu	lb/hr	tons/any consecutive 12-month period
Particulate	0.006	1.27	0.56
SO ₂	0.00056	0.118	0.05
NO _x	0.135	28.5	12.5
CO	0.143	30.24	13.24
VOCs	0.0042	0.888	0.39

WHEN BURNING FUEL OIL

Pollutant	lb/mmBtu	lb/hr	tons/any consecutive 12-month period
Particulate	0.05	9.93	3.8
SO ₂	0.52	103.28	39.97
NO _x	0.257	51.04	19.7
CO	0.167	33.17	12.8
VOC	0.0067	1.331	0.51

Fuel Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with Section 123.22(a)(2), fuel oil sulfur content shall not exceed 0.05% by weight.

[This condition superseded OP 32-302-033A fuel oil sulfur requirement of 0.5% by weight]

**SECTION D. Source Level Requirements****Throughput Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Annual Heat Input from oil to Auxiliary Boiler A is limited to 153,700 MMBtu during any consecutive 12-month period.

Annual Heat Input from sum all fuels (distillate oil and natural gas) to Auxiliary Boiler A is limited to 185,200 MMBtu during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

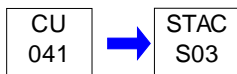
**SECTION D. Source Level Requirements**

Source ID: 041

Source Name: AUXILIARY BOILER B (212.5 MMBTU/HR)

Source Capacity/Throughput: 212.500 MMBTU/HR

Conditions for this source occur in the following groups: G03
G06

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

A person shall not permit the emission into the outdoor atmosphere of particulate matter from Auxiliary Boiler B in excess of 0.179 pounds per MMBtu.

[Compliance with this restriction is ensured by compliance with Condition #002.]

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

In accordance with the conditions of Plan Approval PA-32-00059A:

Emissions from this unit shall not exceed the following:

Pollutant	lb/mmBtu	lb/hr	tons/any consecutive 12-month period
PM10	0.03	6.38	2.79
SO2	0.051	101.3	39.9
NOx	0.224	44.5	19.5
CO	0.084	17.9	7.8
VOC	0.0067	1.3	0.6
HCl	0.0009	0.18	0.1

Throughput Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Annual Heat Input from distillate oil to Auxiliary Boiler B is limited to 156,471 MMBtu during any consecutive 12-month period.

Annual Heat Input from sum all fuels (distillate oil and natural gas) to Auxiliary Boiler B is limited to 186,150 MMBtu during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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



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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

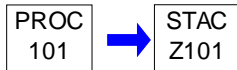
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: PLANT FUGITIVE EMISSION SOURCES

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: 2 EMERGENCY DIESEL GENERATORS (1,662-BHP, EACH)

Source Capacity/Throughput:

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

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 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.

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

In accordance with the special conditions of operating permit 32-000-059:

The four emergency power diesel engines shall each be limited to operating less than 500 hours during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses for this/these source(s).

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

In accordance with the special conditions of operating permit 32-000-059:

**SECTION D. Source Level Requirements**

These units shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control and engineering practices.

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

You must install a non-resettable hour meter on each engine comprising this source (Source ID 102) if one is not already installed.

007 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 008 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The owner or operator shall verify compliance with the particulate mass emission rate of 25 Pa. Code § 123.13, the opacity standards of 25 Pa. Code § 123.41, and SO₂ limitations of 25 Pa. Code § 123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What definitions apply to this subpart?**

Emergency stationary RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in §63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in §63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.

(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §63.6640(f).

(3) N/A.

[§63.6640(f) states:

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

**SECTION D. Source Level Requirements**

allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this 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) - (iii) N/A.

(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) N/A.]

[Each of the engines that comprise Source ID 102 are emergency engines not used for peak shaving or non-emergency demand response and complying with this definition of emergency stationary RICE under 40 CFR Part 63, Subpart ZZZZ. 40 CFR § 63.6590(b)(3) states:

(3) The following stationary RICE do not have to meet the requirements of this subpart(Subpart ZZZZ) and of subpart A of this part, including initial notification requirements:

(i) - (ii) N/A.

(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii).

(iv) - (v) N/A.

Therefore, these engines have no applicable requirements under 40 CFR Part 60, Subpart ZZZZ.]

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

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G05

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

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 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.

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.**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

**SECTION D. Source Level Requirements**

(1) Existing stationary RICE.

(i) N/A.

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) - (iv) N/A.

(2) - (3) N/A.

(b) - (c) N/A.

[Fire Pump Diesel Engine A (Source ID 103) is an existing, non-emergency, compression ignition (CI) engine with applicable requirements under 40 CFR Part 63, Subpart ZZZZ.]

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

(a) Affected sources. (1) If you have “an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013.” (2) - (7) N/A.

(b) - (c) N/A.

005 [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 than 500 brake HP located at a major source of HAP emissions?

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.

[Table 2c states: For each “3. Non-Emergency, non-black start CI stationary RICE larger than or equal to 100-bhp and smaller than or equal to 500-bhp”, you must meet the following requirement, except during periods of startup. Limit concentration of CO in the stationary RICE exhaust to 230 ppmvd or less at 15 percent O₂. 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.

The initial compliance test of Fire Pump Diesel Engine A, meeting the requirements of Table 4, took place on August 23, 2013.]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

**SECTION D. Source Level Requirements**

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

007 [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) - (g) N/A.

(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) - (j) N/A.

008 [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) You must submit each report in Table 7 of this subpart that applies to you.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

(1) - (2) N/A.

(3) For semiannual Compliance reports, 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) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) - (9) N/A.

(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) 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. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b), including actions taken to correct a malfunction.

**SECTION D. Source Level Requirements**

(5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

(6) N/A.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) N/A.

(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, 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.

(g) - (h) N/A.

[Table 7 states:

For each; 1. Existing non-emergency, non-black start stationary RICE larger than or equal to 100-bhp and smaller than or equal to 500-bhp located at a major source of HAP, you must submit a compliance report. The report must contain:

a. If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. You must submit the report; i. Semiannually according to the requirements in §63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to numerical emission limitations.

b. If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in §63.6650(d). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

c. If you had a malfunction during the reporting period, the information in §63.6650(c)(4). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

009 [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) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(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 that you submitted, according to the requirement in §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution

**SECTION D. Source Level Requirements**

control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (f) N/A.

010 [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 for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

011 [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 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 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 any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill 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. 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 the General Provisions specified in Table 8 except for the initial notification requirements: 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.

[Table 8 to Subpart ZZZZ of Part 63-Application of General Provisions to Subpart ZZZZ states:

General provisions citation A. Subject of citation B. Applies to subpart (Y/N) C. Explanation

§63.1 A. General applicability of the General Provisions B. Yes.

§63.2 A. Definitions B. Yes. C. Additional terms defined in §63.6675.

§63.3 A. Units and abbreviations B. Yes.

§63.4 A. Prohibited activities and circumvention B. Yes.

§63.5 A. Construction and reconstruction B. Yes.

§63.6(a) A. Applicability B. Yes.

§63.6(b)(1)-(4) A. Compliance dates for new and reconstructed sources B. Yes.

§63.6(b)(5) A. Notification B. Yes.

§63.6(b)(6) A. [Reserved]

**SECTION D. Source Level Requirements**

§63.6(b)(7)	A. Compliance dates for new and reconstructed area sources that become major sources B. Yes.
§63.6(c)(1)-(2)	A. Compliance dates for existing sources B. Yes.
§63.6(c)(3)-(4)	A. [Reserved]
§63.6(c)(5)	A. Compliance dates for existing area sources that become major sources B. Yes.
§63.6(d)	A. [Reserved]
§63.6(e)	A. Operation and maintenance B. No.
§63.6(f)(1)	A. Applicability of standard B. No.
§63.6(f)(2)	A. Methods for determining compliance B. Yes.
§63.6(f)(3)	A. Finding of compliance B. Yes.
§63.6(g)(1)-(3)	A. Use of alternate standard B. Yes.
§63.6(h)	A. Opacity and visible emission standards B. No. C. Subpart ZZZZ does not contain opacity or visible emission standards.
§63.6(i)	A. Compliance extension procedures and criteria B. Yes.
§63.6(j)	A. Presidential compliance exemption B. Yes.
§63.7(a)(1)-(2)	A. Performance test dates B. Yes. C. Subpart ZZZZ contains performance test dates at §§63.6610, 63.6611, and 63.6612.
§63.7(a)(3)	A. CAA section 114 authority B. Yes.
§63.7(b)(1)	A. Notification of performance test B. Yes. C. Except that §63.7(b)(1) only applies as specified in §63.6645.
§63.7(b)(2)	A. Notification of rescheduling B. Yes. C. Except that §63.7(b)(2) only applies as specified in §63.6645.
§63.7(c)	A. Quality assurance/test plan B. Yes. C. Except that §63.7(c) only applies as specified in §63.6645.
§63.7(d)	A. Testing facilities B. Yes.
§63.7(e)(1)	A. Conditions for conducting performance tests B. No. C. Subpart ZZZZ specifies conditions for conducting performance tests at §63.6620.
§63.7(e)(2)	A. Conduct of performance tests and reduction of data B. Yes. C. Subpart ZZZZ specifies test methods at §63.6620.
§63.7(e)(3)	A. Test run duration B. Yes.
§63.7(e)(4)	A. Administrator may require other testing under section 114 of the CAA B. Yes.
§63.7(f)	A. Alternative test method provisions B. Yes.
§63.7(g)	A. Performance test data analysis, recordkeeping, and reporting B. Yes.
§63.7(h)	A. Waiver of tests B. Yes.
§63.8(a)(1)	A. Applicability of monitoring requirements B. Yes. C. Subpart ZZZZ contains specific requirements for monitoring at §63.6625.
§63.8(a)(2)	A. Performance specifications B. Yes.
§63.8(a)(3)	A. [Reserved]
§63.8(a)(4)	A. Monitoring for control devices B. No.
§63.8(b)(1)	A. Monitoring B. Yes.
§63.8(b)(2)-(3)	A. Multiple effluents and multiple monitoring systems B. Yes.
§63.8(c)(1)	A. Monitoring system operation and maintenance B. Yes.
§63.8(c)(1)(i)	A. Routine and predictable SSM B. No.
§63.8(c)(1)(ii)	A. SSM not in Startup Shutdown Malfunction Plan B. Yes.
§63.8(c)(1)(iii)	A. Compliance with operation and maintenance requirements B. No.
§63.8(c)(2)-(3)	A. Monitoring system installation B. Yes.
§63.8(c)(4)	A. Continuous monitoring system (CMS) requirements B. Yes. C. Except that subpart ZZZZ does not require Continuous Opacity Monitoring System (COMS).
§63.8(c)(5)	A. COMS minimum procedures B. No. C. Subpart ZZZZ does not require COMS.
§63.8(c)(6)-(8)	A. CMS requirements B. Yes. C. Except that subpart ZZZZ does not require COMS.
§63.8(d)	A. CMS quality control B. Yes.
§63.8(e)	A. CMS performance evaluation B. Yes, except that §63.8(e) only applies as specified in §63.6645. C. Except for §63.8(e)(5)(ii), which applies to COMS.
§63.8(f)(1)-(5)	A. Alternative monitoring method B. Yes. C. Except that §63.8(f)(4) only applies as specified in §63.6645.
§63.8(f)(6)	A. Alternative to relative accuracy test B. Yes. C. Except that §63.8(f)(6) only applies as specified in §63.6645.

**SECTION D. Source Level Requirements**

§63.8(g)	A. Data reduction B. Yes. C. Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at §§63.6635 and 63.6640.
§63.9(a)	A. Applicability and State delegation of notification requirements B. Yes.
§63.9(b)(1)-(5)	A. Initial notifications B. Yes, except that §63.9(b) only applies as specified in §63.6645 C. Except that §63.9(b)(3) is reserved.
§63.9(c)	A. Request for compliance extension B. Yes. C. Except that §63.9(c) only applies as specified in §63.6645.
§63.9(d)	A. Notification of special compliance requirements for new sources B. Yes. C. Except that §63.9(d) only applies as specified in §63.6645.
§63.9(e)	A. Notification of performance test B. Yes. C. Except that §63.9(e) only applies as specified in §63.6645.
§63.9(f)	A. Notification of visible emission (VE)/opacity test B. No. C. Subpart ZZZZ does not contain opacity or VE standards.
§63.9(g)(1)	A. Notification of performance evaluation B. Yes. C. Except that §63.9(g) only applies as specified in §63.6645.
§63.9(g)(2)	A. Notification of use of COMS data B. No. C. Subpart ZZZZ does not contain opacity or VE standards.
§63.9(g)(3)	A. Notification that criterion for alternative to RATA is exceeded B. Yes, Except that §63.9(g) only applies as specified in §63.6645. C. If alternative is in use.
§63.9(h)(1)-(6)	A. Notification of compliance status B. Yes. C. Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. §63.9(h)(4) is reserved and except that §63.9(h) only applies as specified in §63.6645.
§63.9(i)	A. Adjustment of submittal deadlines B. Yes.
§63.9(j)	A. Change in previous information B. Yes.
§63.10(a)	A. Administrative provisions for recordkeeping/reporting B. Yes.
§63.10(b)(1)	A. Record retention B. Yes. C. Except that the most recent 2 years of data do not have to be retained on site.
§63.10(b)(2)(i)-(v)	A. Records related to SSM B. No.
§63.10(b)(2)(vi)-(xi)	A. Records B. Yes.
§63.10(b)(2)(xii)	A. Record when under waiver B. Yes.
§63.10(b)(2)(xiii)	A. Records when using alternative to RATA B. Yes. C. For CO standard if using RATA alternative.
§63.10(b)(2)(xiv)	A. Records of supporting documentation B. Yes.
§63.10(b)(3)	A. Records of applicability determination B. Yes.
§63.10(c)	A. Additional records for sources using CEMS B. Yes. C. Except that §63.10(c)(2)-(4) and (9) are reserved.
§63.10(d)(1)	A. General reporting requirements B. Yes.
§63.10(d)(2)	A. Report of performance test results Yes.
§63.10(d)(3)	A. Reporting opacity or VE observations B. No. C. Subpart ZZZZ does not contain opacity or VE standards.
§63.10(d)(4)	A. Progress reports B. Yes.
§63.10(d)(5)	A. Startup, shutdown, and malfunction reports B. No.
§63.10(e)(1) and (2)(i)	A. Additional CMS Reports B. Yes.
§63.10(e)(2)(ii)	A. COMS-related report B. No. C. Subpart ZZZZ does not require COMS.
§63.10(e)(3)	A. Excess emission and parameter exceedances reports B. Yes. C. Except that §63.10(e)(3)(i) (C) is reserved.
§63.10(e)(4)	A. Reporting COMS data B. No. C. Subpart ZZZZ does not require COMS.
§63.10(f)	A. Waiver for recordkeeping/reporting B. Yes.
§63.11	A. Flares B. No.
§63.12	A. State authority and delegations B. Yes.
§63.13	A. Addresses B. Yes.
§63.14	A. Incorporation by reference B. Yes.
§63.15	A. Availability of information B. Yes.]

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

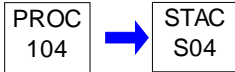
**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: PEAKING DIESEL A (3,600-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

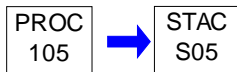
**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: PEAKING DIESEL B (3,600-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

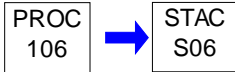
**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: PEAKING DIESEL C (3,600-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

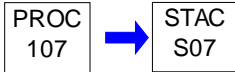
**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: PEAKING DIESEL D (3,600-BHP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G04

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: PLANT SPACE HEATERS (29 MMBTU/HR)

Source Capacity/Throughput: 29.000 MMBTU/HR

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

In accordance with the special conditions of operating permit 32-000-059:

Each space heater shall be limited to a maximum heat input of 20 mmBtu/hr.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

In accordance with the special conditions of operating permit 32-000-059:

All miscellaneous combustion sources, including the 13 space heaters shall be operated and maintained in accordance with manufacturer specifications and good air pollution control and engineering practices.

003 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate each space heater in accordance with the manufacturer's specifications and with good operating practices. [Authority for this requirement is based on 25 Pa. Code §129.97(c)(3)]

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: GASOLINE STORAGE TANKS

Source Capacity/Throughput:

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. Section 129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing volatile organic compounds) applies to this section. Petroleum liquid storage vessels which are used to store produced crude oil and condensate prior to lease custody transfer shall be exempt from the requirements of this section.

VII. ADDITIONAL REQUIREMENTS.

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

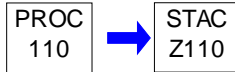
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: COAL PROCESSING PLANT

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.254]****Subpart Y - Standards of Performance for Coal Preparation Plants****Test methods and procedures.**

(a) On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.

(b) – (c) N/A.

[Compliance with the fugitive emission requirement of 123.1 in Section C, Condition # 002 and 20% opacity limit of 123.41 in Section C, Condition # 005 shall be sufficient to assure compliance with the 20% opacity limit of 40 CFR § 60.254(a).]

Throughput Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Throughputs during any consecutive 12-month period shall be limited as follows:

a. Facility

i. Raw coal delivered to the facility (includes Coal Processing Plant) shall not exceed 7,289,419 tons.

b. Coal Processing Plant

i. Crusher throughput shall not exceed 5,475,847 tons.

ii. Stockpile throughput shall not exceed 3,064,039 tons.

[From PA-32-00059B, Section D, Source ID 110, Condition #004.]

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).

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- a. Facility (includes Coal Processing Plant)
 - i. Tons of raw coal delivered.
- b. Coal Processing Plant
 - i. Tons of raw coal delivered.
 - ii. Tons of coal crushed.
 - iii. Tons of coal stockpile throughput.

[From PA-32-00059B, Section D, Source ID 110, Condition #006.]

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

The Coal Processing Plant shall not accept deliveries of trucked coal at any time when trucked coal is being delivered on the Conemaugh Power Plant side of SR-2008.

[From PA-32-00059B, Section D, Source ID 110, Condition #003.]

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

Coal shall be stockpiled in such a manner that it may be treated by the on-site pressurized water truck, or by surfactant application, as necessary to prevent fugitive emissions. All coal shall be adequately treated prior to, during, and after processing, as necessary to prevent fugitive emissions.

[From PA-32-00059B, Section D, Source ID 110, Condition #013.]

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

A pressurized water truck shall be maintained on site and shall be used for preventative dust suppression purposes. All paved roadways and areas of vehicle traffic shall be watered and swept, as needed on a preventative basis, such that visible fugitive emissions do not cross the property line in accordance with Title 25 PA Code §123.1 & §123.2. Other methods of dust control shall be used when weather conditions make in-plant road watering hazardous, as necessary, to prevent visible fugitive emissions from crossing the property line in accordance with Title 25 PA Code §123.1 & §123.2.

[From PA-32-00059B, Section D, Source ID 110, Condition #012.]

**SECTION D. Source Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

All conveying equipment, radial stackers and front-end loaders used to stockpile, transfer and load coal shall maintain a minimal amount of drop height at all times so as to prevent fugitive emissions.

[From PA-32-00059B, Section D, Source ID 110, Condition #014.]

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

All hoppers, transfer points, the crusher, and the screen shall be fully enclosed in a building and equipped with water/surfactant sprays. Water/surfactant sprays shall be operated at all times on the hoppers, the crusher, and the screen when those sources are in operation. Water/surfactant sprays on each transfer point shall be operated as necessary to prevent visible fugitive emissions.

[From PA-32-00059B, Section D, Source ID 110, Condition #015.]

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

All conveyors shall be covered.

[From PA-32-00059B, Section D, Source ID 110, Condition #016.]

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

The Owner/Operator shall maintain a truck tire wash for use, as necessary and weather permitting, to prevent fugitive emissions from crossing the property line.

[From PA-32-00059B, Section D, Source ID 110, Condition #018.]

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

The plant access road and entire truck haul route at the Conemaugh Coal Processing Plant shall be paved and maintained as such, so as to prevent fugitive emissions from crossing the property line. The remaining areas of vehicle traffic shall be periodically delineated with gravel or crushed stone, as necessary to prevent fugitive emissions from crossing the property line.

[From PA-32-00059B, Section D, Source ID 110, Condition #017.]

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

The Owner/Operator shall post the following:

- a. A requirement stating, "All loaded trucks entering or exiting the plant property shall be properly tarpaulin covered."

[From PA-32-00059B, Section D, Source ID 110, Condition #019.]

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Road watering and sweeping shall be performed, as needed, and earth or other material transported from the site shall be removed promptly, as needed, on the paved public road (State Routes 2008 & 2011) to prevent visible fugitive emissions in accordance with Title 25 PA Code §123.1(c).

**SECTION D. Source Level Requirements**

[From PA-32-00059B, Section D, Source ID 110, Condition #011.]

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: SORBENT STORAGE SILOS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Visible emissions from each sorbent storage silo shall not equal or exceed 10% opacity at any time.

[From PA-32-00059E, Section D, Source ID 111, Condition #001.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.25]

Compliance requirement.

Limestone and sorbent shall be delivered to the facility in enclosed trucks and pneumatically transferred to storage silos equipped with bin vent filters. Unloading shall not take place unless the pneumatic transfer and bin vent filters are working properly.

[From PA-32-00059E, Section D, Source ID 111, Condition #003.]

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: G05

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.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) N/A.

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) - (iv) N/A.

(2) - (3) N/A.

**SECTION D. Source Level Requirements**

(b) - (c) N/A.

[Fire Pump Diesel Engine B (Source ID 112) is an existing, non-emergency, compression ignition (CI) engine with applicable requirements under 40 CFR Part 63, Subpart ZZZZ.]

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****When do I have to comply with this subpart?**

(a) Affected sources. (1) If you have "an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013." (2) - (7) N/A.

(b) - (c) N/A.

003 [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 than 500 brake HP located at a major source of HAP emissions?**

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.

[Table 2c states: For each "4. Non-Emergency, non-black start CI stationary RICE larger than or equal to 100-bhp and smaller than or equal to 500-bhp", you must meet the following requirement, except during periods of startup Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd or less at 15 percent O₂; or Reduce CO emissions by 70 percent or more. 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.

The initial compliance test of Fire Pump Diesel Engine B, meeting the requirements of Table 4, took place on August 7, 2013.]

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What fuel requirements must I meet if I own or operate an existing stationary CI RICE?**

(a) If you own or operate an existing non-emergency, non-black start CI stationary RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel.

(b) - (d) N/A.

[CFR 80.510(b) states:

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

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

**SECTION D. Source Level Requirements**

(ii) N/A.

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

(i) A minimum cetane index of 40; or

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

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

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

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

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) - (f) N/A.

(g) If you own or operate an existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, you must comply with either paragraph (g)(1) or paragraph (2) of this section. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. Existing CI engines located at area sources in areas of Alaska that meet either §63.6603(b)(1) or §63.6603(b)(2) do not have to meet the requirements of this paragraph (g). Existing CI engines located on offshore vessels that meet §63.6603(c) do not have to meet the requirements of this paragraph (g).

(1) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or

(2) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates and metals.

(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) - (j) N/A.

007 [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) You must submit each report in Table 7 of this subpart that applies to you.

**SECTION D. Source Level Requirements**

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

(1) - (2) N/A.

(3) For semiannual Compliance reports, 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) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) - (9) N/A.

(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) 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. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b), including actions taken to correct a malfunction.

(5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

(6) N/A.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) N/A.

(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, 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.

(g) - (h) N/A.

**SECTION D. Source Level Requirements**

[Table 7 states:

For each; 1. Existing non-emergency, non-black start stationary RICE larger than or equal to 100-bhp and smaller than or equal to 500-bhp located at a major source of HAP, you must submit a compliance report. The report must contain:

a. If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. You must submit the report; i. Semiannually according to the requirements in §63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to numerical emission limitations.

b. If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in §63.6650(d). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

c. If you had a malfunction during the reporting period, the information in §63.6650(c)(4). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

008 [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) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(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 that you submitted, according to the requirement in §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (f) N/A.

009 [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 for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

010 [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?

**SECTION D. Source Level Requirements**

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

[The language of Table 8 is included for Source ID 112 by reference. The explicit language is also contained in this permit in Section D, Source ID 103.]

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

**SECTION E. Source Group Restrictions.**

Group Name: G01

Group Description: Main Boilers 1 & 2

Sources included in this group

ID	Name
031	MAIN BOILER 1 (PC, 8,280 MMBTU/HR)
032	MAIN BOILER 2 (PC, 8,280 MMBTU/HR)

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

The particulate matter emission rate from either Main Boiler #1 or Main Boiler #2 shall not exceed 0.1 lb/MMBtu of heat input.

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

(a) Nonair basin areas. Combustion units in nonair basin areas must conform with the following:

(1) - (3) N/A.

(4) Solid fossil fuel fired combustion units. Solid fossil fuel fired combustion units shall conform with the following:

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

(ii) N/A.

(iii) No person subject to this paragraph may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rates set forth in the following table:

3.7 lbs of SO₂/MMBtu of heat input not to be exceeded on a 30-day rolling average basis, updated daily.

4.0 lbs of SO₂/MMBtu of heat input not to be exceeded on a more than 2-calendar days on 30-day rolling average basis, updated daily.

4.8 lbs of SO₂/MMBtu of heat input not to be exceeded on any calendar day.

(iv) N/A.

(b) - (h) N/A.

[These emission limits apply to Main Boiler #1 and Main Boiler #2 individually, when combusting coal. The Conemaugh Station is not located in an air basin. Compliance with this condition is ensured by compliance with Condition 004.]

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

In accordance with Operating Permit 32-306-010A:

(a) Emissions of particulate matter from either Conemaugh's Unit No. 1 or No. 2 shall not exceed 0.1 pounds per mmBtu, 828 pounds per hour, or 3,627 tons per year. Compliance with the hourly particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A reference methods.

(b) Emissions of SO₂ from either Conemaugh's Unit No.1 or No. 2 shall not exceed 0.2 pounds per mmBtu, 1,656 pounds per hour, and 7,253 tons per year. Compliance with the heat input based rate and the annual rate, shall be based on a 12-consecutive month rolling average, updated monthly. Compliance with the hourly emission rate shall be based on a three hour block average. This annual SO₂ emission rate shall not affect the number of allowances allocated under Title IV of the Clean Air Act Amendments of 1990.

**SECTION E. Source Group Restrictions.**

(c) Emissions of NO_x (as NO₂) from either Conemaugh's Unit No. 1 or No. 2 shall not exceed 0.45 pounds NO_x per mmBtu, 4,753 pounds per hour, and 16,320 tons per year. Compliance with the heat input based rate and the annual rate, shall be based on a 12-consecutive month rolling average, updated monthly. Compliance with the hourly emission rate shall be based on a three hour block average.

(d) Compliance with section (b) of this condition ensures compliance with 25 Pa. Code § 123.22.

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

In accordance with RACT Operating Permit No. 32-000-059, emissions of NO_x (nitrogen oxides, expressed as NO₂) from either of Main Boilers #1 or #2 shall not exceed 0.45 pounds per million BTU, based on a thirty (30) day rolling average.

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

The emission of ammonia from the SCR system shall not exceed 5 ppmv at stack conditions as determined using USEPA Conditional Test Method (CTM-027), Procedure for Collection and Analysis of Ammonia in Stationary Sources or other procedure approved by the Department.

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

As required in the special conditions of operating permit 32-306-010A, and regarding Units 1 and 2:

Compliance with 25 Pa. Code § 123.41 shall be established by a visual observer certified in EPA Method 9 at any time that stack testing for TSP/PM₁₀ is being conducted, and at such other times as the Department may reasonably prescribe.

[The following is also required during stack testing for TSP/PM₁₀:

Opacity observation of the Main Boiler Stack by EPA Method 9 shall be performed during each sampling run unless atmospheric conditions make such readings impossible.]

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

1. The permittee shall conduct source testing for particulate (Filterable only.) from the stacks of Boiler #1 and Boiler #2, within 90-days of the issuance of this Operating Permit and subsequent source tests shall be conducted no less often quarter-year intervals. Stack testing conducted within the 90-day period prior to the issuance of this TVOP may be used to meet the requirements of this condition. However, should either boiler qualify as a Low Emitting EGU (LEE) for filterable particulate under 40 CFR 63.10005(h), subsequent testing for particulate shall take place within every three (3) year period, for as long as the unit continues to qualify as a LEE for filterable particulate under 40 CFR Part 63, Subpart UUUUU. Should the unit cease to qualify as a LEE for filterable particulate under this subpart, the quarter-year year testing cycle shall be reestablished.

2. The permittee shall conduct source testing for PM-10 (Both filterable and condensable.) from the stacks of Boiler #1 and Boiler #2, within four (4) calendar quarters of the issuance of this Operating Permit and subsequent source tests shall be conducted no less often than once every two (2) years. Stack testing conducted within the two (2) year period prior to the issuance of this TVOP may be used to meet the requirements of this condition. However, should either boiler qualify as a Low Emitting EGU (LEE) for filterable particulate under 40 CFR 63.10005(h), subsequent testing for particulate, and PM₁₀ shall take place within every three (3) year period, for as long as the unit continues to qualify as a LEE for filterable particulate under 40 CFR Part 63, Subpart UUUUU. Should the unit cease to qualify as a LEE for filterable particulate under this subpart, the quarter-year year testing cycle shall be reestablished.

3. Source testing shall be conducted on the stacks of Boiler #1 and Boiler #2 for H₂SO₄ no less often than once every five years. Testing for H₂SO₄ shall be conducted by EPA Method 8 or Department approved equivalent.

4. All testing shall be performed while Source IDs 031 and 032 are operating at no less than 90% of the maximum rated heat input, or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

**SECTION E. Source Group Restrictions.**

Soot blowing and ash removal in the boiler must be conducted at normal intervals and testing may not be scheduled to avoid such periods as they are considered to be normal operations.

5. All testing shall be conducted in accordance with any applicable federal regulations and the most current version of the Source Testing Manual of the Department. The following federal reference methods, or other test methods approved by the Department prior to testing, shall be used.

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

b. 40 CFR 60, Appendix A, Methods 5 and 202 shall be used to determine filterable particulate matter (FPM), filterable PM₁₀ (Corrections may be necessary to account for interference by liquid water.), and condensable PM emission concentrations (grains/dscf) and emission rates (lbs/hour and lbs/MMBTU).

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

6. At least ninety (90) calendar days prior to commencing an emission testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the Revision 3.3, or successor volume, of the Source Testing Manual of the Department.

7. At least fifteen (15) calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

8. The following process parameters shall be recorded at a minimum of 15-minute intervals during each test run (if possible). This data (including the units) and a summary thereof, averaged over each test run, must be included in the test report. Any exceptions to this recordkeeping requirement shall receive prior approval from the Department.

- a. Heat input rate of coal [MMBTU/hour]
- b. Coal feed rate to the boiler [tons/hour]
- c. Steam flow [lbs/hour]
- d. Steam temperature [°F]
- e. Steam pressure [psig]
- f. Soot blowing and/or ash removal (Yes/No)
- g. Oxygen level at the economizer [%]
- h. Flue gas pressure drop across the absorber [inches H₂O]
- i. Flue gas pressure drop across the mist eliminator [inches H₂O]
- j. Current draw of draft fans [amps]
- k. Output of powered electrical generator [mw]

9. Opacity observation of the Main Boiler Stack by EPA Method 9 shall be performed during each particulate test sampling run required by this condition. The results of these observations shall be used for verification of compliance by the required periodic EPA Method 9 stack observations.

10. Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

11. 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.

12. 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;

**SECTION E. Source Group Restrictions.**

- c. Summary of results with respect to each applicable permit condition; and
- d. Statement of compliance or non-compliance with each applicable requirement.

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

14. The Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Paper Copies shall be submitted to the following:

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Northwest Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 230 Chestnut Street
 Meadville, PA 16335

Electronic copies shall be emailed to the following:

Central Office
 RA-EPstacktesting@pa.gov

Northwest Region
 RA-EPNWstacktesting@pa.gov

15. 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.

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

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

(a) (This section is applicable to Main Boilers #1 and #2 at the Conemaugh Station.):

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

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

**SECTION E. Source Group Restrictions.**

(d) N/A.

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

(f) N/A.

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

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

As identified in Permit 32-306-010A and in accordance with 25 PA Code Section 123.46(c), the Department exempts Conemaugh's Main Boilers #1 and # 2 from the requirements of 25 PA Code Section 123.46(b).

010 [25 Pa. Code §123.51]**Monitoring requirements**

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

(b) Sources subject to this section shall install, operate and maintain continuous nitrogen oxides monitoring systems and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for statutory sources).

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

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

(e) - (f) N/A.

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

An observer certified in EPA Method 9 shall read and record Visible Emissions for at least 1 hour each calendar week from the Main Boiler stack, using EPA Reference Method 9, found at 40 CFR 60, Appendix A, unless atmospheric conditions make such readings impossible.

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

The Owner/Operator shall continuously monitor and record the following SCR system parameters for both Unit 1 and 2:

(a) Flue gas temperature when injecting ammonia.

(b) Pressure differential.

(c) Ammonia injection rate.

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

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

(A) MAINTENANCE:

1. Zero and upscale calibration error checks should be conducted immediately prior to maintenance, if possible.

2. Zero and upscale calibration error checks must be conducted immediately following any maintenance.

**SECTION E. Source Group Restrictions.**

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

(B) PERIODIC CALIBRATION:

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

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

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

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

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Quality Assurance Section, Subsections I.C.1 and 1.D.1.]

Approval of alternatives to these procedures (e.g., those per 40 CFR Part 75 [Acid Rain Program]) may be requested via submittal to the Chief of the Division of Source Testing and Monitoring, Bureau of Air Quality (BAQ). The Department has the authority to determine which alternatives are applicable.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Applicability Section.]

014 [25 Pa. Code §139.101]**General requirements.**

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

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

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

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

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

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Quality Assurance Section, Subsection I.E.]

IV. RECORDKEEPING REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep a monthly log of all aqueous ammonia shipments delivered to this facility.

**SECTION E. Source Group Restrictions.****# 016 [25 Pa. Code §139.101]****General requirements.**

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

- 1) All data shall be reduced to one-hour averages on a clock basis. The reduction methods must be in accordance with the data validation and reduction criteria of the Department's Quality Assurance requirements.
- 2) A chronological file shall be maintained which includes the following:
 - a) All measurements from the systems;
 - b) All valid averages as specified above;
 - c) The cause, time periods, and magnitudes of all exceedances;
 - d) Data and results for all performance tests, audits, and recalibrations;
 - e) Records of any repairs, adjustments, or maintenance;
 - f) Conversion methods;
 - g) The cause and time periods for any invalid data;
 - h) Records of all corrective actions taken in response to exceedances;

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

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Recordkeeping and Reporting Section, Subsections I.A.]

V. REPORTING REQUIREMENTS.**# 017 [25 Pa. Code §135.4]****Report format**

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

- 1) Information on the source and emissions in accordance with the appropriate reporting format approved by the Department.
- 2) The results of all performance tests, audits and recalibrations conducted during the quarter. The report certified by the responsible official shall be submitted to the Division of Source Testing and Monitoring, Continuous Testing Section within thirty (30) days following the end of each quarter in accordance with the Department's Continuous Source Monitoring Manual requirements.
- 3) Subsequent data report changes must be submitted in accordance with the Department's Continuous Source Monitoring Manual requirements.

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

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

018 [25 Pa. Code §139.101]**General requirements.**

Additional authority for (a) is also derived from 40 CFR §64.9 & §70.6 (a) (3) (iii) (A):

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 019 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate Main Boilers 1 & 2 (Source IDs 031 and 032) in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

As required in the special conditions of RACT Operating Permit 32-000-059:

For the purposes of establishing NO_x (nitrogen oxides, expressed as NO₂) and VOC potential to emit (PTE) only, the following shall apply:

SOURCE	TONS NO _x PER YEAR	TONS VOC PER YEAR
Main Unit 1	15,524.0	110.4
Main Unit 2	15,524.0	141.4

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

In accordance with Permit 32-306-010A, the continuous visible emission monitor shall be operated at a point upstream of the flue gas desulfurization system and downstream of the electrostatic precipitator. Data from this unit shall be used as an indicator of electrostatic precipitator performance and shall not be used for compliance purposes.

022 [25 Pa. Code §127.531]**Special conditions related to acid rain.**

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

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

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

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

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

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

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

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

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

**SECTION E. Source Group Restrictions.**

(4) Contravention of other provisions of the permit.

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

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

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

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

023 [40 CFR Part 72 Regulations on Permits §40 CFR 72.1]

Subpart A--Acid Rain Program General Provisions

Purpose and scope.

Main Boilers #1 and #2 (Source IDs 031 and 032) are subject to the Title IV Acid Rain Program of the 1990 Clean Air Act Amendments, and shall comply with all applicable provisions of that Title, including the following:

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

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

024 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.2]

Subpart A--General

Applicability.

Main Boilers #1 and #2 (Source IDs 031 and 032) are Acid Rain Program affected units subject to all applicable requirements of the program including, but not necessarily limited to, the Monitoring, Reporting, and Operation and Maintenance requirements of 40 CFR 75.

025 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.406]

Subpart AAAAA - CSAPR NOx Annual Trading Program

Standard requirements.

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.413 through 97.418.

(b) Emissions monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the designated representative, of each TR NOx Annual source and each TR NOx Annual unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.430 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.431 (initial monitoring system certification and recertification procedures), 97.432 (monitoring system out-of-control periods), 97.433 (notifications concerning monitoring), 97.434 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.435 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.430 through 97.435 shall be used to calculate allocations of TR NOx Annual allowances under 40 CFR 97.411(a)(2) and (b) and 97.412 and to determine compliance with the TR NOx Annual emissions limitation and assurance provisions under paragraph (c) below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.430 through 97.435 and rounded to the nearest ton, with any fraction of a ton less than 0.50

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being deemed to be zero.

(c) NOX emissions requirements.

(1) TR NOX Annual emissions limitation.

(i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOX Annual source and each TR NOX Annual unit at the source shall hold, in the source's compliance account, TR NOX Annual allowances available for deduction for such control period under 40 CFR 97.424(a) in an amount not less than the tons of total NOX emissions for such control period from all TR NOX Annual units at the source.

(ii) If total NOX emissions during a control period in a given year from the TR NOX Annual units at a TR NOX Annual source are in excess of the TR NOX Annual emissions limitation set forth in paragraph (c)(1)(i) above, then:

(A) The owners and operators of the source and each TR NOX Annual unit at the source shall hold the TR NOX Annual allowances required for deduction under 40 CFR 97.424(d); and

(B) The owners and operators of the source and each TR NOX Annual unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.

(2) TR NOX Annual assurance provisions.

(i) If total NOX emissions during a control period in a given year from all TR NOX Annual units at TR NOX Annual sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NOX emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NOX Annual allowances available for deduction for such control period under 40 CFR 97.425(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.425(b), of multiplying-

(A) The quotient of the amount by which the common designated representative's share of such NOX emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NOX emissions exceeds the respective common designated representative's assurance level; and

(B) The amount by which total NOX emissions from all TR NOX Annual units at TR NOX Annual sources in the state for such control period exceed the state assurance level.

(ii) The owners and operators shall hold the TR NOX Annual allowances required under paragraph (c)(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(iii) Total NOX emissions from all TR NOX Annual units at TR NOX Annual sources in the State during a control period in a given year exceed the state assurance level if such total NOX emissions exceed the sum, for such control period, of the state NOX Annual trading budget under 40 CFR 97.410(a) and the state's variability limit under 40 CFR 97.410(b).

(iv) It shall not be a violation of 40 CFR part 97, subpart AAAAA or of the Clean Air Act if total NOX emissions from all TR NOX Annual units at TR NOX Annual sources in the State during a control period exceed the state assurance level or if a common designated representative's share of total NOX emissions from the TR NOX Annual units at TR NOX Annual sources in the state during a control period exceeds the common designated representative's assurance level.

(v) To the extent the owners and operators fail to hold TR NOX Annual allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) above,

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(A) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B) Each TR NOX Annual allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.

(3) Compliance periods.

(i) A TR NOX Annual unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of January 1, 2015, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.

(ii) A TR NOX Annual unit shall be subject to the requirements under paragraph (c)(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i) A TR NOX Annual allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a TR NOX Annual allowance that was allocated for such control period or a control period in a prior year.

(ii) A TR NOX Annual allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NOX Annual allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each TR NOX Annual allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart AAAAA.

(6) Limited authorization. A TR NOX Annual allowance is a limited authorization to emit one ton of NOX during the control period in one year. Such authorization is limited in its use and duration as follows:

(i) Such authorization shall only be used in accordance with the TR NOX Annual Trading Program; and

(ii) Notwithstanding any other provision of 40 CFR part 97, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A TR NOX Annual allowance does not constitute a property right.

(d) Title V permit revision requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR NOX Annual allowances in accordance with 40 CFR part 97, subpart AAAAA.

(2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.430 through 97.435, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.406(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

(e) Additional recordkeeping and reporting requirements.

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(1) Unless otherwise provided, the owners and operators of each TR NOX Annual source and each TR NOX Annual unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i) The certificate of representation under 40 CFR 97.416 for the designated representative for the source and each TR NOX Annual unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.416 changing the designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR part 97, subpart AAAAA.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR NOX Annual Trading Program.

(2) The designated representative of a TR NOX Annual source and each TR NOX Annual unit at the source shall make all submissions required under the TR NOX Annual Trading Program, except as provided in 40 CFR 97.418. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

(f) Liability.

(1) Any provision of the TR NOX Annual Trading Program that applies to a TR NOX Annual source or the designated representative of a TR NOX Annual source shall also apply to the owners and operators of such source and of the TR NOX Annual units at the source.

(2) Any provision of the TR NOX Annual Trading Program that applies to a TR NOX Annual unit or the designated representative of a TR NOX Annual unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the TR NOX Annual Trading Program or exemption under 40 CFR 97.405 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR NOX Annual source or TR NOX Annual unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 026 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]
Subpart BBBBB - CSAPR NOx Ozone Season Group 1 Trading Program
Standard requirements.**

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.513 through 97.518.

(b) Emissions monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the designated representative, of each TR NOX Ozone Season source and each TR NOX Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.530 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.531 (initial monitoring system certification and recertification procedures), 97.532 (monitoring system out-of-control periods), 97.533 (notifications concerning monitoring), 97.534 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.535 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.530 through 97.535 shall be used to calculate allocations of TR NOX Ozone Season allowances under 40 CFR 97.511(a)(2) and (b) and 97.512 and to determine

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compliance with the TR NOX Ozone Season emissions limitation and assurance provisions under paragraph (c) below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.530 through 97.535 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

(c) NOX emissions requirements.

(1) TR NOX Ozone Season emissions limitation.

(i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOX Ozone Season source and each TR NOX Ozone Season unit at the source shall hold, in the source's compliance account, TR NOX Ozone Season allowances available for deduction for such control period under 40 CFR 97.524(a) in an amount not less than the tons of total NOX emissions for such control period from all TR NOX Ozone Season units at the source.

(ii) If total NOX emissions during a control period in a given year from the TR NOX Ozone Season units at a TR NOX Ozone Season source are in excess of the TR NOX Ozone Season emissions limitation set forth in paragraph (c)(1)(i) above, then:

(A) The owners and operators of the source and each TR NOX Ozone Season unit at the source shall hold the TR NOX Ozone Season allowances required for deduction under 40 CFR 97.524(d); and

(B) The owners and operators of the source and each TR NOX Ozone Season unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBB and the Clean Air Act.

(2) TR NOX Ozone Season assurance provisions.

(i) If total NOX emissions during a control period in a given year from all TR NOX Ozone Season units at TR NOX Ozone Season sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NOX emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NOX Ozone Season allowances available for deduction for such control period under 40 CFR 97.525(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.525(b), of multiplying-

(A) The quotient of the amount by which the common designated representative's share of such NOX emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NOX emissions exceeds the respective common designated representative's assurance level; and

(B) The amount by which total NOX emissions from all TR NOX Ozone Season units at TR NOX Ozone Season sources in the state for such control period exceed the state assurance level.

(ii) The owners and operators shall hold the TR NOX Ozone Season allowances required under paragraph (c)(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(iii) Total NOX emissions from all TR NOX Ozone Season units at TR NOX Ozone Season sources in the state during a control period in a given year exceed the state assurance level if such total NOX emissions exceed the sum, for such control period, of the State NOX Ozone Season trading budget under 40 CFR 97.510(a) and the state's variability limit under 40 CFR 97.510(b).

(iv) It shall not be a violation of 40 CFR part 97, subpart BBBB or of the Clean Air Act if total NOX emissions from all TR

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NOX Ozone Season units at TR NOX Ozone Season sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NOX emissions from the TR NOX Ozone Season units at TR NOX Ozone Season sources in the state during a control period exceeds the common designated representative's assurance level.

(v) To the extent the owners and operators fail to hold TR NOX Ozone Season allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) above,

(A) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B) Each TR NOX Ozone Season allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBBB and the Clean Air Act.

(3) Compliance periods.

(i) A TR NOX Ozone Season unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of May 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.

(ii) A TR NOX Ozone Season unit shall be subject to the requirements under paragraph (c)(2) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i) A TR NOX Ozone Season allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a TR NOX Ozone Season allowance that was allocated for such control period or a control period in a prior year.

(ii) A TR NOX Ozone Season allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR NOX Ozone Season allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each TR NOX Ozone Season allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart BBBBB.

(6) Limited authorization. A TR NOX Ozone Season allowance is a limited authorization to emit one ton of NOX during the control period in one year. Such authorization is limited in its use and duration as follows:

(i) Such authorization shall only be used in accordance with the TR NOX Ozone Season Trading Program; and

(ii) Notwithstanding any other provision of 40 CFR part 97, subpart BBBBB, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A TR NOX Ozone Season allowance does not constitute a property right.

(d) Title V permit revision requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR NOX Ozone Season allowances in accordance with 40 CFR part 97, subpart BBBBB.

(2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.530 through 97.535, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part

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75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.506(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each TR NOX Ozone Season source and each TR NOX Ozone Season unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i) The certificate of representation under 40 CFR 97.516 for the designated representative for the source and each TR NOX Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.516 changing the designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR part 97, subpart BBBB.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR NOX Ozone Season Trading Program.

(2) The designated representative of a TR NOX Ozone Season source and each TR NOX Ozone Season unit at the source shall make all submissions required under the TR NOX Ozone Season Trading Program, except as provided in 40 CFR 97.518. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

(f) Liability.

(1) Any provision of the TR NOX Ozone Season Trading Program that applies to a TR NOX Ozone Season source or the designated representative of a TR NOX Ozone Season source shall also apply to the owners and operators of such source and of the TR NOX Ozone Season units at the source.

(2) Any provision of the TR NOX Ozone Season Trading Program that applies to a TR NOX Ozone Season unit or the designated representative of a TR NOX Ozone Season unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the TR NOX Ozone Season Trading Program or exemption under 40 CFR 97.505 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR NOX Ozone Season source or TR NOX Ozone Season unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 027 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606]
Subpart CCCCC - CSAPR SO2 Group 1 Trading Program
Standard requirements.**

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.613 through 97.618.

(b) Emissions monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the designated representative, of each TR SO2 Group 1 source and each TR SO2 Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.630

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(general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.631 (initial monitoring system certification and recertification procedures), 97.632 (monitoring system out-of-control periods), 97.633 (notifications concerning monitoring), 97.634 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.635 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.630 through 97.635 shall be used to calculate allocations of TR SO₂ Group 1 allowances under 40 CFR 97.611(a)(2) and (b) and 97.612 and to determine compliance with the TR SO₂ Group 1 emissions limitation and assurance provisions under paragraph (c) below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.630 through 97.635 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

(c) SO₂ emissions requirements.

(1) TR SO₂ Group 1 emissions limitation.

(i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO₂ Group 1 source and each TR SO₂ Group 1 unit at the source shall hold, in the source's compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under 40 CFR 97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 units at the source.

(ii) If total SO₂ emissions during a control period in a given year from the TR SO₂ Group 1 units at a TR SO₂ Group 1 source are in excess of the TR SO₂ Group 1 emissions limitation set forth in paragraph (c)(1)(i) above, then:

(A) The owners and operators of the source and each TR SO₂ Group 1 unit at the source shall hold the TR SO₂ Group 1 allowances required for deduction under 40 CFR 97.624(d); and

(B) The owners and operators of the source and each TR SO₂ Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation 40 CFR part 97, subpart CCCCC and the Clean Air Act.

(2) TR SO₂ Group 1 assurance provisions.

(i) If total SO₂ emissions during a control period in a given year from all TR SO₂ Group 1 units at TR SO₂ Group 1 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such SO₂ emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR SO₂ Group 1 allowances available for deduction for such control period under 40 CFR 97.625(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.625(b), of multiplying-

(A) The quotient of the amount by which the common designated representative's share of such SO₂ emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such SO₂ emissions exceeds the respective common designated representative's assurance level; and

(B) The amount by which total SO₂ emissions from all TR SO₂ Group 1 units at TR SO₂ Group 1 sources in the state for such control period exceed the state assurance level.

(ii) The owners and operators shall hold the TR SO₂ Group 1 allowances required under paragraph (c)(2)(i) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

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(iii) Total SO₂ emissions from all TR SO₂ Group 1 units at TR SO₂ Group 1 sources in the state during a control period in a given year exceed the state assurance level if such total SO₂ emissions exceed the sum, for such control period, of the state SO₂ Group 1 trading budget under 40 CFR 97.610(a) and the state's variability limit under 40 CFR 97.610(b).

(iv) It shall not be a violation of 40 CFR part 97, subpart CCCCC or of the Clean Air Act if total SO₂ emissions from all TR SO₂ Group 1 units at TR SO₂ Group 1 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total SO₂ emissions from the TR SO₂ Group 1 units at TR SO₂ Group 1 sources in the state during a control period exceeds the common designated representative's assurance level.

(v) To the extent the owners and operators fail to hold TR SO₂ Group 1 allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) above,

(A) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B) Each TR SO₂ Group 1 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart CCCCC and the Clean Air Act.

(3) Compliance periods.

(i) A TR SO₂ Group 1 unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

(ii) A TR SO₂ Group 1 unit shall be subject to the requirements under paragraph (c)(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i) A TR SO₂ Group 1 allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a TR SO₂ Group 1 allowance that was allocated for such control period or a control period in a prior year.

(ii) A TR SO₂ Group 1 allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a TR SO₂ Group 1 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each TR SO₂ Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart CCCCC.

(6) Limited authorization. A TR SO₂ Group 1 allowance is a limited authorization to emit one ton of SO₂ during the control period in one year. Such authorization is limited in its use and duration as follows:

(i) Such authorization shall only be used in accordance with the TR SO₂ Group 1 Trading Program; and

(ii) Notwithstanding any other provision of 40 CFR part 97, subpart CCCCC, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A TR SO₂ Group 1 allowance does not constitute a property right.

(d) Title V permit revision requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR SO₂ Group 1

**SECTION E. Source Group Restrictions.**

allowances in accordance with 40 CFR part 97, subpart CCCCC.

(2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.630 through 97.635, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR part 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E), Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.606(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each TR SO₂ Group 1 source and each TR SO₂ Group 1 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i) The certificate of representation under 40 CFR 97.616 for the designated representative for the source and each TR SO₂ Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.616 changing the designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR part 97, subpart CCCCC.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR SO₂ Group 1 Trading Program.

(2) The designated representative of a TR SO₂ Group 1 source and each TR SO₂ Group 1 unit at the source shall make all submissions required under the TR SO₂ Group 1 Trading Program, except as provided in 40 CFR 97.618. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

(f) Liability.

(1) Any provision of the TR SO₂ Group 1 Trading Program that applies to a TR SO₂ Group 1 source or the designated representative of a TR SO₂ Group 1 source shall also apply to the owners and operators of such source and of the TR SO₂ Group 1 units at the source.

(2) Any provision of the TR SO₂ Group 1 Trading Program that applies to a TR SO₂ Group 1 unit or the designated representative of a TR SO₂ Group 1 unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the TR SO₂ Group 1 Trading Program or exemption under 40 CFR 97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR SO₂ Group 1 source or TR SO₂ Group 1 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Supart 63.9981]

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

Am I subject to this subpart?

The two coal fired-boilers (Source IDs 031 and 032) are affected sources for the purposes of National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units. As the operator of Source IDs 031 and 032, the permittee shall comply with all applicable requirements codified in 40 CFR Part 63, Subpart UUUUU, 40 CFR §§ 63.9980 through 63.10042, including Tables and Appendices. (See below.)

**SECTION E. Source Group Restrictions.**

[The Department, under the authority of CAA 112(i)(3)(B), has granted the owner/operator a time extension, such that the date of compliance with Subpart UUUUU for Source IDs 031 and 032 was October 16, 2015. This Department action also approved 6-month extensions to the required dates of the initial performance test and initiation of later recordkeeping and reporting requirements.

In addition, at the time of issuance of the TVOP, EPA had not yet finalized proposed changes related to monitoring and reporting for startup and shutdown periods. On May 22, 2015, the Department granted the owners/operators an additional 6-month extension, until April 16, 2016, for compliance with the requirements of 40 CFR §63.10020(e).]

[The owner/operator of the Conemaugh Station shall comply with the emission control limits on total, non-mercury, metallic HAPs by compliance with surrogate particulate emission limits. The initial stack tests to demonstrate compliance by EPA Method 5 shall be performed within 90-days of the issuance of this permit, irrespective of any authorized time extension from, or changes within, the requirements of Subpart UUUUU. In addition to assuring compliance with the applicable requirements of this subpart, this stack testing for particulate, conducted at the time intervals currently required in Subpart UUUUU, is also necessary to assure compliance with Condition #001.]

[On June 29, 2015, the Supreme Court of the United States remanded the case of an appeal regarding Subpart UUUUU, MICHIGAN v. EPA, 135 S. Ct. 2699, back to The United States Court of Appeals for the District of Columbia Circuit. Should this subpart be modified, the new language shall supersede the existing language of the subpart. Also, should Subpart UUUUU be changed such that testing for filterable particulate is no longer utilized as a surrogate for monitoring non-mercury metallic HAP emissions, this particulate testing shall continue to be required under the authority of 40 CFR § 64.2.]

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

**SECTION E. Source Group Restrictions.**

Group Name: G03

Group Description: Auxiliary Boilers A & B

Sources included in this group

ID	Name
039	AUXILIARY BOILER A (211.5 MMBTU/HR, STARTUP BOILER)
041	AUXILIARY BOILER B (212.5 MMBTU/HR)

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

(a) All fuel oil burned in Auxiliary Boilers A and B (Source IDs 039 and 041) shall have a nitrogen content of 0.30 weight percent or less.

(b) Fuel oil burned in Auxiliary Boilers A and B (Source IDs 039 and 041) shall meet the definition of very low sulfur oil, as defined in 40 CFR §60.41b.

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

(a) Emission rates of NO_x (as NO₂) and CO shall be determined by either EPA Reference Method stack test(s) or through the use of portable analyzers when operation in any calendar year equals or exceeds 750 hours. Testing shall be required to be performed during each of those years in which operation equals or exceeds 750 hours.

(b) When testing is required in accordance with (a), it shall be completed within six months with the results included in the subsequent semiannual monitoring report.

III. MONITORING REQUIREMENTS.**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.13]****Subpart A - General Provisions****Monitoring requirements.**

(a) At least once during each daylight shift when oil is combusted, an observer certified in accordance with EPA Method 9 shall perform a six-minute visible emission observation. In order to obtain representative results, the oil firing rate during the observation period must be the maximum rate during the shift.

(b) An observer certified in accordance with EPA Method 9 shall perform a six-minute visible emission observation whenever the boiler reaches operating load after a cold startup with oil.

(c) If the average opacity for a 6-minute set of readings made in accordance with (a) or (b) exceeds 10 percent, the observer must collect two additional six-minute sets of visible emission readings for a total of three sets.

(d) Records of the date and time of visible emission observations, along with the results of each observation, must be maintained for a period of five (5) years.

(e) Thirty (30) days after the end of each calendar quarter in which there are opacity excess emissions during oil combustion, the permittee must submit an excess emission report (EER) to the Department. If there are no opacity excess emissions during a calendar quarter, EERs may be submitted on a semiannual basis. For reporting purposes, excess emissions are defined as any six minute period during which the average opacity exceeds 20 percent, and EERs must indicate the total time of the visible emission observations during a calendar quarter and identify the duration of any excess emissions.

[Visible emission observations in conformance with this condition are required whenever Source ID 039 or Source ID 041 combusts oil (40 CFR § 60.13(i)(2)).]

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.**

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

Where the opacity standards given by 40 CFR § 60.43b(f) and those given by 25 Pa. Code § 123.41 do not agree, the more stringent opacity standard applies.

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40b]**Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Applicability and delegation of authority.**

The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).

(b) Any affected facility meeting the applicability requirements under paragraph (a) of this section and commencing construction, modification, or reconstruction after June 19, 1984, but on or before June 19, 1986, is subject to the following standards:

(1) - (2) N/A.

(3) Oil-fired affected facilities having a heat input capacity between 29 and 73 MW (100 and 250 MMBtu/hr), inclusive, are subject to the NOX standards under this subpart.

(4) N/A.

(c) - (m) N/A.

[Auxiliary Boilers A and B are subject to the applicable requirements of 40 CFR Subpart Db.]

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.41b]**Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Definitions.**

Very low sulfur oil means for units constructed, reconstructed, or modified on or before February 28, 2005, oil that contains no more than 0.5 weight percent sulfur or that, when combusted without SO₂ emission control, has a SO₂ emission rate equal to or less than 215 ng/J (0.5 lb/MMBtu) heat input. For units constructed, reconstructed, or modified after February 28, 2005 and not located in a noncontinental area, very low sulfur oil means oil that contains no more than 0.30 weight percent sulfur or that, when combusted without SO₂ emission control, has a SO₂ emission rate equal to or less than 140 ng/J (0.32 lb/MMBtu) heat input. For units constructed, reconstructed, or modified after February 28, 2005 and located in a noncontinental area, very low sulfur oil means oil that contains no more than 0.5 weight percent sulfur or that, when combusted without SO₂ emission control, has a SO₂ emission rate equal to or less than 215 ng/J (0.50 lb/MMBtu) heat input.

[Auxiliary Boiler A was constructed prior to February 28, 2005 and Auxiliary Boiler B was constructed after this date. Auxiliary

**SECTION E. Source Group Restrictions.**

Boiler A is required to burn fuel oil that contains no more than 0.5 weight percent sulfur. Auxiliary Boiler B is required to burn fuel oil that contains no more than 0.3 weight percent sulfur. Compliance with the sulfur in fuel oil limits in this condition is assured, as of July 1, 2016, by the fuel restrictions for fuel oil in Section C of this permit.]

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Standard for sulfur dioxide.**

(a) Except as provided in paragraphs (b), (c), (d), or (j) of this section, "N/A."

(b) - (c) N/A.

(d) On and after the date on which the performance test is completed or required to be completed under §60.8, whichever comes first, no owner or operator of an affected facility that commenced construction, reconstruction, or modification on or before February 28, 2005 and listed in paragraphs (d)(1), (2), (3), or (4) of this section shall cause to be discharged into the atmosphere any gases that contain SO₂ in excess of 520 ng/J (1.2 lb/MMBtu) heat input if the affected facility combusts coal, or 215 ng/J (0.5 lb/MMBtu) heat input if the affected facility combusts oil other than very low sulfur oil. Percent reduction requirements are not applicable to affected facilities under paragraphs (d)(1), (2), (3) or (4) of this section. For facilities complying with paragraphs (d)(1), (2), or (3) of this section, only the heat input supplied to the affected facility from the combustion of coal and oil is counted in this paragraph. No credit is provided for the heat input to the affected facility from the combustion of natural gas, wood, municipal-type solid waste, or other fuels or heat derived from exhaust gases from other sources, such as gas turbines, internal combustion engines, kilns, etc.

(1) Affected facilities that have an annual capacity factor for coal and oil of 30 percent (0.30) or less and are subject to a federally enforceable permit limiting the operation of the affected facility to an annual capacity factor for coal and oil of 30 percent (0.30) or less;

(2) - (4) N/A.

(e) N/A.

(f) Except as provided in paragraph (j)(2) of this section, "N/A."

(g) - (i) N/A.

(j) Percent reduction requirements are not applicable to affected facilities combusting only very low sulfur oil. The owner or operator of an affected facility combusting very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by: (1) N/A; or (2) maintaining fuel records as described in §60.49b(r).

(k)(1) Except as provided in paragraphs (k)(2), "N/A."

(2) Units firing only very low sulfur oil, gaseous fuel, a mixture of these fuels, or a mixture of these fuels with any other fuels with a potential SO₂ emission rate of 140 ng/J (0.32 lb/MMBtu) heat input or less are exempt from the SO₂ emissions limit in paragraph (k)(1) of this section.

(3) - (4) N/A.

[Auxiliary Boilers A and B are each operated with a maximum capacity factor of 10%, for each fuel (distillate oil and natural gas). Also, both boilers meet the 40 CFR Part 63, Subpart DDDDD definition of "Limited use boiler or process heater," meaning that the annual capacity factor from the sum of all fuels is a maximum of 10%.

Under (d)(1) and (k)(2) these boilers are not subject to SO₂ emission reduction or limiting standards.]

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Standard for particulate matter.**

(a) - (d) N/A.

**SECTION E. Source Group Restrictions.**

(e) For the purposes of this section, the annual capacity factor is determined by dividing the actual heat input to the steam generating unit during the calendar year from the combustion of coal, wood, or municipal-type solid waste, and other fuels, as applicable, by the potential heat input to the steam generating unit if the steam generating unit had been operated for 8,760 hours at the maximum heat input capacity.

(f) On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, oil, wood, or mixtures of these fuels with any other fuels shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. "N/A."

(g) The PM and opacity standards apply at all times, except during periods of startup, shutdown, or malfunction.

(h)(1) Except as provided in paragraphs (h)(2), (h)(3), (h)(4), (h)(5), and (h)(6) of this section, on and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commenced construction, reconstruction, or modification after February 28, 2005, and that combusts coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 13 ng/J (0.030 lb/MMBtu) heat input,

(2) - (6) N/A.

[While both Auxiliary Boilers are subject to the opacity standard of (f), only Auxiliary Boiler B is subject to the particulate emission standard of (h)(1).]

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.44b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Standard for nitrogen oxides.**

(a) - (i) N/A.

(j) N/A:

(1) Combust, alone or in combination, only natural gas, distillate oil, or residual oil with a nitrogen content of 0.30 weight percent or less;

(2) Have a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less; and

(3) Are subject to a federally enforceable requirement limiting operation of the affected facility to the firing of natural gas, distillate oil, and/or residual oil with a nitrogen content of 0.30 weight percent or less and limiting operation of the affected facility to a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less.

(k) Affected facilities that meet the criteria described in paragraphs (j)(1), (2), and (3) of this section, and that have a heat input capacity of 73 MW (250 MMBtu/hr) or less, are not subject to the NOX emission limits under this section.

(l) N/A.

[Each of Auxiliary Boilers A and B meet the criteria described as follows and are therefore not subject to the aforementioned restriction:

(1) combusts alone, or in combination, only natural gas or distillate oil.

(2) restricted to an annual capacity factor of 10%.

(3) is only permitted (federally enforceable) to operate in accordance with (1) and (2) above.]

**SECTION E. Source Group Restrictions.****# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Emission monitoring for particulate matter and nitrogen oxides.**

(a) Except as provided in paragraph (j) of this section, the owner or operator of an affected facility subject to the opacity standard under §60.43b shall install, calibrate, maintain, and operate a continuous opacity monitoring systems (COMS) for measuring the opacity of emissions discharged to the atmosphere and record the output of the system. The owner or operator of an affected facility subject to an opacity standard under §60.43b and meeting the conditions under paragraphs (j)(1), (2), (3), (4), (5), or (6) of this section who elects not to use a COMS shall conduct a performance test using Method 9 of appendix A-4 of this part and the procedures in §60.11 to demonstrate compliance with the applicable limit in §60.43b by April 29, 2011, within 45 days of stopping use of an existing COMS, or within 180 days after initial startup of the facility, whichever is later, and shall comply with either paragraphs (a)(1), (a)(2), or (a)(3) of this section. The observation period for Method 9 of appendix A-4 of this part performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

(1) Except as provided in paragraph (a)(2) and (a)(3) of this section, the owner or operator shall conduct subsequent Method 9 of appendix A-4 of this part performance tests using the procedures in paragraph (a) of this section according to the applicable schedule in paragraphs (a)(1)(i) through (a)(1)(iv) of this section, as determined by the most recent Method 9 of appendix A-4 of this part performance test results.

(i) If no visible emissions are observed, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 12 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that fuel with an opacity standard is combusted, whichever is later;

(ii) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that fuel with an opacity standard is combusted, whichever is later;

(iii) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted or within 45 days of the next day that fuel with an opacity standard is combusted, whichever is later; or

(iv) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 of appendix A-4 of this part performance test must be completed within 45 calendar days from the date that the most recent performance test was conducted.

(2) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 of appendix A-4 of this part performance test, the owner or operator may, as an alternative to performing subsequent Method 9 of appendix A-4 of this part performance tests, elect to perform subsequent monitoring using Method 22 of appendix A-7 of this part according to the procedures specified in paragraphs (a)(2)(i) and (ii) of this section.

(i) The owner or operator shall conduct 10 minute observations (during normal operation) each operating day the affected facility fires fuel for which an opacity standard is applicable using Method 22 of appendix A-7 of this part and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period (i.e., 30 seconds per 10 minute period). If the sum of the occurrence of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrence of visible emissions is greater than 5 percent of the observation period (i.e., 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30 minute observation (i.e., 90 seconds) or conduct a new Method 9 of appendix A-4 of this part performance test using the procedures in paragraph (a) of this section within 45 calendar days according to the requirements in §60.46d(d)(7).

(ii) If no visible emissions are observed for 10 operating days during which an opacity standard is applicable, observations can be reduced to once every 7 operating days during which an opacity standard is applicable. If any visible emissions are observed, daily observations shall be resumed.

**SECTION E. Source Group Restrictions.**

(3) N/A.

(b) N/A - (h) N/A.

(i) The owner or operator of an affected facility described in §60.44b(j) or §60.44b(k) is not required to install or operate a CEMS for measuring NOX emissions.

(j) The owner or operator of an affected facility that meets the conditions in either paragraph (j)(1), (2), (3), (4), (5), (6), or (7) of this section is not required to install or operate a COMS if:

(1) - (6) N/A; or

(7) The affected facility burns only gaseous fuels or fuel oils that contain less than or equal to 0.30 weight percent sulfur and operates according to a written site-specific monitoring plan approved by the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard.

(k) N/A.

(l) An owner or operator of an affected facility that is subject to an opacity standard under §60.43b(f) is not required to operate a COMS provided that the unit burns only gaseous fuels and/or liquid fuels (excluding residue oil) with a potential SO2 emissions rate no greater than 26 ng/J (0.060 lb/MMBtu), and the unit operates according to a written site-specific monitoring plan approved by the permitting authority is not required to operate a COMS. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard. For testing performed as part of this site-specific monitoring plan, the permitting authority may require as an alternative to the notification and reporting requirements specified in §§60.8 and 60.11 that the owner or operator submit any deviations with the excess emissions report required under §60.49b(h).

[The owner/operator is not required to operate COMS on the combined stack (Stack ID S03) of Auxiliary Boilers A and B. In lieu of continuous opacity monitoring (COM) system installation and operation, EPA Reference Method 9 visible emission observations are required whenever Source ID 039 or Source ID 041 combusts oil.]

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]
Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.**

(a) - (c) N/A.

(d) Except as provided in paragraph (d)(2) of this section, the owner or operator of an affected facility shall record and maintain records as specified in paragraph (d)(1) of this section.

(1) The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

(2) N/A.

(e) N/A.

(f) For an affected facility subject to the opacity standard in §60.43b, the owner or operator shall maintain records of opacity. In addition, an owner or operator that elects to monitor emissions according to the requirements in §60.48b(a) shall maintain records according to the requirements specified in paragraphs (f)(1) through (3) of this section, as applicable to the visible emissions monitoring method used.

(1) For each performance test conducted using Method 9 of appendix A-4 of this part, the owner or operator shall keep the records including the information specified in paragraphs (f)(1)(i) through (iii) of this section.

**SECTION E. Source Group Restrictions.**

(i) Dates and time intervals of all opacity observation periods;

(ii) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and

(iii) Copies of all visible emission observer opacity field data sheets;

(2) For each performance test conducted using Method 22 of appendix A-4 of this part, the owner or operator shall keep the records including the information specified in paragraphs (f)(2)(i) through (iv) of this section.

(i) Dates and time intervals of all visible emissions observation periods;

(ii) Name and affiliation for each visible emission observer participating in the performance test;

(iii) Copies of all visible emission observer opacity field data sheets; and

(iv) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

(3) N/A.

(g) N/A.

(h) The owner or operator of any affected facility in any category listed in paragraphs (h)(1) or (2) of this section is required to submit excess emission reports for any excess emissions that occurred during the reporting period.

(1) Any affected facility subject to the opacity standards in §60.43b(f) or to the operating parameter monitoring requirements in §60.13(i)(1).

(2) N/A.

(3) For the purpose of §60.43b, excess emissions are defined as all 6-minute periods during which the average opacity exceeds the opacity standards under §60.43b(f).

(4) N/A.

(i) - (n) N/A.

(o) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

(p) The owner or operator of an affected facility described in §60.44b(j) or (k) shall maintain records of the following information for each steam generating unit operating day:

(1) Calendar date;

(2) The number of hours of operation; and

(3) A record of the hourly steam load.

(q) The owner or operator of an affected facility described in §60.44b(j) or §60.44b(k) shall submit to the Administrator a report containing:

(1) The annual capacity factor over the previous 12 months;

(2) The average fuel nitrogen content during the reporting period, if residual oil was fired; and

**SECTION E. Source Group Restrictions.**

(3) N/A.

(r) The owner or operator of an affected facility who elects to use the fuel based compliance alternatives in §60.42b or §60.43b shall either:

(1) The owner or operator of an affected facility who elects to demonstrate that the affected facility combusts only very low sulfur oil, natural gas, wood, a mixture of these fuels, or any of these fuels (or a mixture of these fuels) in combination with other fuels that are known to contain an insignificant amount of sulfur in §60.42b(j) or §60.42b(k) shall obtain and maintain at the affected facility fuel receipts (such as a current, valid purchase contract, tariff sheet, or transportation contract) from the fuel supplier that certify that the oil meets the definition of distillate oil and gaseous fuel meets the definition of natural gas as defined in §60.41b and the applicable sulfur limit. For the purposes of this section, the distillate oil need not meet the fuel nitrogen content specification in the definition of distillate oil. Reports shall be submitted to the Administrator certifying that only very low sulfur oil meeting this definition, natural gas, wood, and/or other fuels that are known to contain insignificant amounts of sulfur were combusted in the affected facility during the reporting period; or

(2) N/A.

(s) - (u) N/A.

(v) N/A.

(w) The reporting period for the reports required under this subpart is each 6 month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

(x) - (y) N/A.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP, except as specified in §63.7491. For purposes of this subpart, a major source of HAP is as defined in §63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in §63.7575.

[Auxiliary Boilers A and B (Source IDs 039 and 041) are subject to the applicable requirements of 40 CFR Part 63, Subpart DDDDD.]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the affected source of this subpart?**

(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in §63.7575.

(2) N/A.

(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.

(c) N/A.

(d) A boiler or process heater is existing if it is not new or reconstructed.

**SECTION E. Source Group Restrictions.**

(e) N/A.

[Auxiliary Boilers A and B (Source IDs 039 and 041) are considered existing sources for the requirements of 40 CFR Part 63, Subpart DDDDD.]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

(a) N/A.

(b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).

(c) N/A.

(d) You must meet the notification requirements in §63.7545 according to the schedule in §63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.

(e) - (g) N/A.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]

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

What are the subcategories of boilers and process heaters?

The subcategories of boilers and process heaters, as defined in §63.7575 are:

(a) - (n) N/A.

(o) Limited-use boilers and process heaters.

(p) - (u) N/A.

[Auxiliary Boilers A and B are in the "Limited-use boilers and process heaters" subcategory.]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

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

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522. The output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers and process heaters that generate steam. The output-based emission limits, in units of pounds per megawatt-hour, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers that generate electricity. If you operate a new boiler or process heater, you can choose to comply with alternative limits as discussed in paragraphs (a)(1)(i) through (a)(1)(iii) of this section, but on or after January 31, 2016, you must comply with the emission limits in Table 1 to this subpart.

(i) - (iii) N/A.

(2) N/A.

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(3) At all times, you must operate and maintain any affected source (as defined in §63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) - (e) N/A.

(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with Table 3 to this subpart.

[Table 3 to this subpart states:

If your unit is (1.) A limited use boiler or process heater you must meet the following: Conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540.]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]

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

What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in §63.7500(f).

(b) - (d) N/A.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (d) N/A.

(e) You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than the compliance date, January 31, 2016.

(f) - (i) N/A.

(j) For existing affected sources (as defined in §63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in §63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in §63.7495.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

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

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

(a) - (c) N/A.

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after the initial startup of the new or reconstructed affected source.

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(e) - (i) N/A.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart and paragraphs (a)(1) through (19) of this section.

(1) N/A.

(2) – (9) N/A.

(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the 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). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) N/A.

(12) If your boiler or process heater meets the definition of limited-use boiler or process heater in § 63.7575, you must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72

**SECTION E. Source Group Restrictions.**

months.

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) N/A.

(b) – (d) N/A.

[Table 3 states: If your unit is 1. A limited use boiler:

You must Conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540.]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

(a) You must submit to the Administrator 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) - (h) N/A.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

(a) You must submit each report in Table 9 to this subpart that applies to you.

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct a 5-year tune-up according to § 63.7540(a)(12), and not subject to emission limits or operating limits, you may submit only a 5-year compliance report as specified in paragraphs (b)(1) through (4) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in §63.7495.

(2) The first compliance report must be postmarked or submitted 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 each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(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. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

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(2) – (4) N/A.

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) The total operating time during the reporting period.

(v) – (xiii) N/A.

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) - (xvi) N/A.

(xvii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(d) - (g) N/A.

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) - (2) N/A.

(3) You must submit all reports required by Table 9 of this subpart electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due the report you must submit the report to the Administrator at the appropriate address listed in § 63.13. At the discretion of the Administrator, you must also submit these reports, to the Administrator in the format specified by the Administrator.

[Table 9 states; You must submit a Compliance report. The report must contain; .a. Information required in § 63.7550(c)(1) through (5); and; b. If there were no deviations from the work practice standards during the reporting period and; c. If you have a deviation from a work practice standard during the reporting period, the report must contain the information in § 63.7550(d); and (d) N/A.; You must submit the report every 5 years according to the requirements in § 63.7550(b).]

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(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 that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) N/A.

(b) - (h) N/A.

024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

**SECTION E. Source Group Restrictions.**

(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, or they must be accessible from on site (for example, through a computer network), 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.

[Compliance with Paragraph (c) is ensured by the Recordkeeping requirement in Section C, Subsection IV., Recordkeeping of this permit, that all records be kept and available for review by the Department for 5 years.]

025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What definitions apply to this subpart?**

Terms used in this subpart are defined in the Clean Air Act, in § 63.2 (the General Provisions), and in this section as follows:

Annual capacity factor means the ratio between the actual heat input to a boiler or process heater from the fuels burned during a calendar year and the potential heat input to the boiler or process heater had it been operated for 8,760 hours during a year at the maximum steady state design heat input capacity.

Annual heat input means the heat input for the 12 months preceding the compliance demonstration.

Average annual heat input rate means total heat input divided by the hours of operation for the 12 months preceding the compliance demonstration.

Heat input means heat derived from combustion of fuel in a boiler or process heater and does not include the heat input from preheated combustion air, recirculated flue gases, returned condensate, or exhaust gases from other sources such as gas turbines, internal combustion engines, kilns, etc.

Industrial boiler means a boiler used in manufacturing, processing, mining, and refining or any other industry to provide steam, hot water, and/or electricity.

Limited-use boiler or process heater means any boiler or process heater that burns any amount of solid, liquid, or gaseous fuels and has a federally enforceable average annual capacity factor of no more than 10 percent.

Load fraction means the actual heat input of a boiler or process heater divided by heat input during the performance test that established the minimum sorbent injection rate or minimum activated carbon injection rate, expressed as a fraction (e.g., for 50 percent load the load fraction is 0.5).

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

**SECTION E. Source Group Restrictions.**

Group Name: G04

Group Description: Peaking Diesel Generator Engines

Sources included in this group

ID	Name
104	PEAKING DIESEL A (3,600-BHP)
105	PEAKING DIESEL B (3,600-BHP)
106	PEAKING DIESEL C (3,600-BHP)
107	PEAKING DIESEL D (3,600-BHP)

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

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 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.

Throughput Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 32-000-059:

Operation of Peaking Diesel Generators A-D (Source IDs 104-107) shall each not exceed a 5% annual heat input capacity factor. These units shall be operated and maintained in accordance with manufacturers' specifications, and good air pollution control and engineering practices.

[Compliance with this condition is demonstrated through Condition 004.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses that verify compliance with the annual operational limitations.

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate Peaking Diesel Generator Engines A-D (Source IDs 104 - 107) in accordance with the manufacturer's specifications and with good operating practices.

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

For the purposes of establishing NOx (nitrogen oxides, expressed as NO2) and VOC potential to emit (PTE) only, the following shall apply:

The sum of emissions from Diesel Generators A-D is 73.3 tpy NOx and 0.68 tpy VOC.

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The owner or operator shall verify compliance with the particulate mass emission rate of 25 Pa. Code § 123.13, the opacity standards of 25 Pa. Code § 123.41, and SO2 limitations of 25 Pa. Code § 123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

(ii) – (iv) N/A.

(2) – (3) N/A.

(b) Stationary RICE subject to limited requirements. (1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

(1) – (2) N/A.

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) – (iii) N/A.

(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(v) N/A.

(c) N/A.

[Peaking Diesel Engines 3, 4, 5, and 6 (Source IDs 101, 102, 103, and 104) are existing, limited use, stationary RICE, subject to the applicable requirements of 40 CFR Part 60, Subpart ZZZZ.]

**SECTION E. Source Group Restrictions.**

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

Terms used in this subpart (40 CFR Part 63, Subpart ZZZZ) are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; (40 CFR Part 63) and in this section as follows:

Limited use stationary RICE means any stationary RICE that operates less than 100 hours per year.

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

**SECTION E. Source Group Restrictions.**

Group Name: G05

Group Description: Fire Pump Diesel Engines A & B

Sources included in this group

ID	Name
103	FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY)
112	FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY)

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

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from each of these sources in a manner that the concentration of particulate matter in the effluent gas exceeds 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.

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

In accordance with the special conditions of operating permit 32-000-059:

The two fire pump diesel engines shall each be limited to operating less than 500 hours during any consecutive 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses for this/these source(s).

V. REPORTING REQUIREMENTS.

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

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

In accordance with the special conditions of operating permit 32-000-059:

These units shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control and engineering practices.

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

You must install a non-resettable hour meter on each engine (Source IDs 103 and 112), if one is not already installed.

007 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate Fire Pump Diesel Engines A & B (Source IDs 103 and 112) in accordance with the manufacturer's specifications and with good operating practices. [Authority for this requirement is based on 25 Pa. Code §129.97(c)(5)]

VII. ADDITIONAL REQUIREMENTS.**# 008 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The owner or operator shall verify compliance with the particulate mass emission rate of 25 Pa. Code § 123.13, the opacity standards of 25 Pa. Code § 123.41, and SO₂ limitations of 25 Pa. Code § 123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

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

**SECTION E. Source Group Restrictions.**

Group Name: G06

Group Description: RACT II (Source ID 031, 032, 039 and 041)

Sources included in this group

ID	Name
031	MAIN BOILER 1 (PC, 8,280 MMBTU/HR)
032	MAIN BOILER 2 (PC, 8,280 MMBTU/HR)
039	AUXILIARY BOILER A (211.5 MMBTU/HR, STARTUP BOILER)
041	AUXILIARY BOILER B (212.5 MMBTU/HR)

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §129.98]****Facility-wide or system-wide NO_x emissions averaging plan general requirements.**

Main Boiler 1, Main Boiler 2, Auxiliary Boiler A, and Auxiliary Boiler B (Source IDs 031, 032, 039, and 041) shall meet the applicable NO_x RACT emission limitations from 25 Pa. Code § 129.97 by averaging NO_x emissions on a facility-wide averaging basis using a 30-day rolling average in accordance with 25 Pa. Code § 129.98 and the site-specific averaging plan, as outlined below:

(a) The facility averaging shall be a summation of the actual hourly mass emissions from Main Boiler 1, Main Boiler 2, Auxiliary Boiler A, and Auxiliary Boiler B (Source IDs 031, 032, 039, and 041) for a 30-operating-day period and shall compare the summation to the calculated allowable mass emissions for the same period. Actual NO_x mass emissions shall include emissions during start-ups, shutdowns, and malfunctions. If any unit operates, even if only one unit operates in a given calendar day, then that day shall be one of the days in the 30-operating-day period for the facility.

Hourly NO_x mass emissions (lbs per hour) shall be calculated by multiplying the hourly NO_x emissions rate (lb/MMBtu) by the hourly unit heat input (MMBtu/hr) and the unit operating time.

(b) Actual NO_x Mass – CEMs data for source IDs 031 and 032 and the most recent stack test data for source IDs 039 and 041 shall be used to calculate the hourly NO_x mass emissions.

(c) Allowable NO_x Mass – The allowable RACT NO_x emission limitations will be used to calculate the allowable hourly NO_x mass emissions. The allowable RACT NO_x emission limitations from 25 Pa. Code § 129.97 are as follows:

- i. 0.35 lb/MMBtu heat input for a tangentially-fired coal-fired combustion unit. [This limit is applicable when the flue gas temperature at the SCR inlet is less than 600°F.]
- ii. 0.12 lb/MMBtu heat input for a coal-fired combustion unit with a selective catalytic reduction system operating with an inlet temperature equal to or greater than 600°F. Compliance with this emission limit is also required when by-passing the selective catalytic reduction system.
- iii. 0.10 lb/MMBtu heat input for a natural gas-fired combustion unit
- iv. 0.12 lb/MMBtu heat input for a distillate oil-fired combustion unit.
- v. For a unit firing multiple fuels, a total heat input fuel weighted basis using the following equation:

$$E_{HI \text{ weighted}} = [\text{Sum } (i,n) = E_i H_{li}] \div [\text{Sum } (i,n) = H_{li}]$$

Where:

$E_{HI \text{ weighted}}$ = The heat input fuel weighted multiple fuel emission rate or emission limitation for the compliance period, expressed in units of measure consistent with the units of measure for the emission limitation.

E_i = The emission rate or emission limit for fuel i during the compliance period, expressed in units of measure consistent with the units of measure for the emission limitation.

H_{li} = The total heat input for fuel i during the compliance period.

n = the number of different fuels used during the compliance period.

**SECTION E. Source Group Restrictions.****(d) 30 Operating Day Values –**

Actual NO_x emissions (lbs) shall be calculated for each hour for each unit. Then, all of the hours for the facility in the 30-operating day period shall be totaled.

Allowable NO_x emissions (lbs) shall be calculated for each hour for each unit. Then, all of the hours for the facility in the 30-operating day period shall be totaled.

Compliance shall be determined using the following equation from 25 Pa. Code § 129.98(e):

$$[\text{Sum } (i,n) = E_i \text{ actual}] < \text{ or } = [\text{Sum } (i,n) = E_i \text{ allowable}]$$

Where:

E_i actual = The actual NO_x mass emissions, including emissions during start-ups, shutdowns, and malfunctions, for air contamination source i on a 30-day rolling basis.

E_i allowable = The allowable NO_x mass emissions computed using the allowable emission rate limitation for air contamination source i on a 30-day rolling basis specified in 25 Pa. Code § 129.97.

n = the number of air contamination sources included in the NO_x emissions facility averaging plan.

The facility will be in compliance with the presumptive NO_x RACT requirements when the actual NO_x mass emissions (lbs) from source IDs 031, 032, 039, and 041 in a facility 30-operating day period are less than or equal to the allowable NO_x mass emissions (lbs) during the same 30-operating day period, both values rounded to the nearest pound.

(e) Invalid Emissions Data Periods –

When NO_x CEMs data are not valid for any hour, the permittee shall utilize 40 CFR Part 75 data substitution procedures for invalid data for hourly NO_x (lbs/MMBtu).

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

A minimum of one (1) stack test in accordance with in 25 Pa. Code, Chapter 139, Subchapter A (relating to sampling and testing methods and procedures) and the Department Source Testing Manual shall be performed on Auxiliary Boiler A and Auxiliary Boiler B (Source IDs 039 and 041) during each five (5) calendar year period to verify the emission rates for NO_x.

III. MONITORING REQUIREMENTS.**# 003 [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:

(A) Sum the total pounds of pollutant emitted from the combustion unit for the current operating day and the previous

**SECTION E. Source Group Restrictions.**

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) N/A

(3) N/A

(4) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

004 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

(a) The permittee shall continuously monitor the SCR inlet temperatures for each boiler (Main Boiler 1 /Source ID 031 and Main Boiler 2/Source ID 032), in order to determine the applicable RACT II NO_x emission limitation corresponding to the current SCR inlet temperature.

(b) The permittee shall monitor and record the times at which the SCR inlet temperature for Main Boiler 1 and Main Boiler 2 (Source IDs 031 and 032) transitions across the 600°F threshold.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall keep records to demonstrate compliance with 25 Pa. Code §§ 129.97 – 129.98 in the following manner:

(1) The records must include sufficient data, including SCR inlet temperature and times at which the SCR inlet temperature transitions across the 600°F threshold, and calculations to demonstrate that the requirements of §§ 129.97 – 129.98 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.

006 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

All records shall be retained by the permittee for five (5) years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 007 [25 Pa. Code §129.98]****Facility-wide or system-wide NO_x emissions averaging plan general requirements.**

In accordance with 25 Pa. Code § 129.98(j), the permittee shall submit reports and keep records to demonstrate compliance with the requirements of 25 Pa. Code § 129.100 for each source included in the NO_x emissions averaging plan. Reports demonstrating compliance with the NO_x emissions averaging plan shall be electronically submitted as part of the quarterly CEMs report and include the following:

**SECTION E. Source Group Restrictions.**

For each calendar day in the reporting period, include the following information:

- (i) Actual daily NOx emissions (lb), for each emission unit in the plan, accounting for multiple fuels as required/accepted
- (ii) Allowable daily NOx emissions (lb), for each emission unit in the plan, accounting for multiple fuels as required/accepted
- (iii) Sum of daily actual NOx emitted (lb) for all emission units in the plan
- (iv) Sum of allowable NOx emitted (lb) for all emission units in the plan
- (v) The rolling 30-operating day sums of the actual daily NOx emissions and the allowable daily NOx emissions. An operating day is one in which at least one emission unit included in the plan operates.

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.**

Alternative Operation Name: OPTIONAL SORBENT INJECTION SYSTEM 1

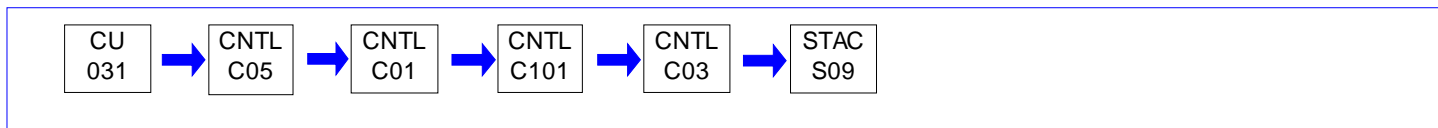
#001 CHANGES FROM NORMAL OPERATION

Use of optional Sorbent Injection System.

Sources included in this Alternative Operation:

ID	Name	Source Type
031	MAIN BOILER 1 (PC, 8,280 MMBTU/HR)	Combustion Unit

Alternative Operation Map:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**Visible emissions from each limestone and hydrated lime (SO₃ sorbent) storage silo shall not equal or exceed 10% opacity at any time.**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.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall continuously monitor and record the following additional parameters for both Unit 1 and 2:

- (a) Limestone addition rate; and
- (b) SO₃ sorbent (hydrated lime) injection rate.

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.**# 003 [25 Pa. Code §123.25]****Monitoring requirements**Limestone and SO₃ sorbent (hydrated lime) shall be delivered to the Facility in enclosed trucks and pneumatically transferred to storage silos equipped with bin vent filters. Unloading shall not take place unless the pneumatic transfer and bin vent filters are working properly.

**SECTION F. Alternative Operation Requirements.****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The operation of Sorbent Injection into the flue gas of Main Boiler Units #1 and #2 is a voluntary pollution control project and is not required by regulation for operation of the subject sources.

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: OPTIONAL SORBENT INJECTION SYSTEM 2

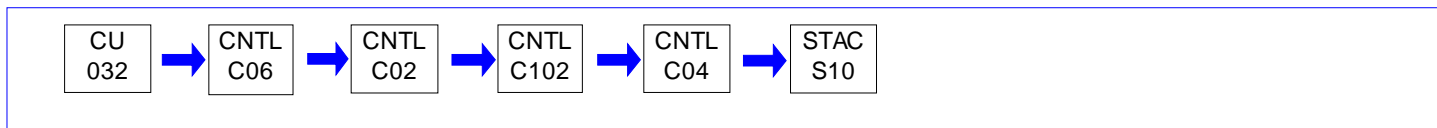
#001 CHANGES FROM NORMAL OPERATION

Use of optional Sorbent Injection System.

Sources included in this Alternative Operation:

ID	Name	Source Type
032	MAIN BOILER 2 (PC, 8,280 MMBTU/HR)	Combustion Unit

Alternative Operation Map:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**Visible emissions from each limestone and hydrated lime (SO₃ sorbent) storage silo shall not equal or exceed 10% opacity at any time.**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.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall continuously monitor and record the following additional parameters for both Unit 1 and 2:

- (a) Limestone addition rate; and
- (b) SO₃ sorbent (hydrated lime) injection rate.

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.**# 003 [25 Pa. Code §123.25]****Monitoring requirements**

The operation of Sorbent Injection into the flue gas of Main Boiler Units #1 and #2 is a voluntary pollution control project and is not required by regulation for operation of the subject sources.

VII. ADDITIONAL REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**



SECTION F. Alternative Operation Requirements.

The operation of Sorbent Injection into the flue gas of Main Boiler Units #1 and #2 is a voluntary pollution control project and is not required by regulation for operation of the subject sources.

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

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
031	MAIN BOILER 1 (PC, 8,280 MMBTU/HR)		
Emission Limit			
5.000	PPMV		Ammonia
0.450	Lbs/MMBTU	(30 day rolling average)	NOX
4,753.000	Lbs/Hr		NOX
16,320.000	Tons/Yr		NOX
0.200	Lbs/MMBTU		SO2
1,656.000	Lbs/Hr		SO2
7,253.000	Tons/Yr		SO2
0.100	Lbs/MMBTU		TSP
828.000	Lbs/Hr		TSP
3,627.000	Tons/Yr		TSP
032	MAIN BOILER 2 (PC, 8,280 MMBTU/HR)		
Emission Limit			
5.000	PPMV		Ammonia
0.450	Lbs/MMBTU	(30 day rolling average)	NOX
4,753.000	Lbs/Hr		NOX
16,320.000	Tons/Yr		NOX
0.200	Lbs/MMBTU		SO2
1,656.000	Lbs/Hr		SO2
7,253.000	Tons/Yr		SO2
0.100	Lbs/MMBTU		TSP
828.000	Lbs/Hr		TSP
3,627.000	Tons/Yr		TSP
039	AUXILIARY BOILER A (211.5 MMBTU/HR, STARTUP BOILER)		
Emission Limit			
0.143	Lbs/MMBTU	When burning natural gas	CO
0.167	Lbs/MMBTU	When burning fuel oil	CO
12.800	Tons/Yr	When burning fuel oil	CO
13.240	Tons/Yr	When burning natural gas	CO
30.240	Lbs/Hr	When burning natural gas	CO
33.170	Lbs/Hr	When burning fuel oil	CO
0.135	Lbs/MMBTU	When burning natural gas	NOX
0.257	Lbs/MMBTU	When burning fuel oil	NOX
12.500	Tons/Yr	When burning natural gas	NOX
19.700	Tons/Yr	When burning fuel oil	NOX
28.500	Lbs/Hr	When burning natural gas	NOX
51.040	Lbs/Hr	When burning fuel oil	NOX
0.001	Lbs/MMBTU	When burning natural gas	SO2
0.050	Tons/Yr	When burning natural gas	SO2
0.118	Lbs/Hr	When burning natural gas	SO2
0.520	Lbs/MMBTU	When burning fuel oil	SO2
39.970	Tons/Yr	When burning fuel oil	SO2
103.280	Lbs/Hr	When burning fuel oil	SO2

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
0.006	Lbs/MMBTU	When burning natural gas	TSP
0.050	Lbs/MMBTU	When burning fuel oil	TSP
0.560	Tons/Yr	When burning natural gas	TSP
1.270	Lbs/Hr	When burning natural gas	TSP
3.800	Tons/Yr	When burning fuel oil	TSP
9.930	Lbs/Hr	When burning fuel oil	TSP
0.004	Lbs/MMBTU	When burning natural gas	VOC
0.007	Lbs/MMBTU	When burning fuel oil	VOC
0.390	Tons/Yr	When burning natural gas	VOC
0.510	Tons/Yr	When burning fuel oil	VOC
0.888	Lbs/Hr	When burning natural gas	VOC
1.331	Lbs/Hr	When burning fuel oil	VOC
041	AUXILIARY BOILER B (212.5 MMBTU/HR)		
Emission Limit		Pollutant	
0.084	Lbs/MMBTU	CO	
7.800	Tons/Yr	CO	
17.900	Lbs/Hr	CO	
0.224	Lbs/MMBTU	NOX	
19.500	Tons/Yr	NOX	
44.500	Lbs/Hr	NOX	
0.030	Lbs/MMBTU	PM10	
2.790	Tons/Yr	PM10	
6.380	Lbs/Hr	PM10	
0.510	Lbs/MMBTU	SOX	
39.900	Tons/Yr	SOX	
101.300	Lbs/Hr	SOX	
0.007	Lbs/MMBTU	VOC	
0.600	Tons/Yr	VOC	
1.300	Lbs/Hr	VOC	
102	2 EMERGENCY DIESEL GENERATORS (1,662-BHP, EACH)		
Emission Limit		Pollutant	
500.000	PPMV	SO2	
0.040	gr/DRY FT3	TSP	
103	FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY)		
Emission Limit		Pollutant	
500.000	PPMV	SO2	
0.040	gr/DRY FT3	TSP	

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
104	PEAKING DIESEL A (3,600-BHP)
Emission Limit	
500.000 PPMV	Pollutant SO2
0.040 gr/DRY FT3	TSP
105	PEAKING DIESEL B (3,600-BHP)
Emission Limit	
500.000 PPMV	Pollutant SO2
0.040 gr/DRY FT3	TSP
106	PEAKING DIESEL C (3,600-BHP)
Emission Limit	
500.000 PPMV	Pollutant SO2
0.040 gr/DRY FT3	TSP
107	PEAKING DIESEL D (3,600-BHP)
Emission Limit	
500.000 PPMV	Pollutant SO2
0.040 gr/DRY FT3	TSP
112	FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY)
Emission Limit	
500.000 PPMV	Pollutant SO2
0.040 gr/DRY FT3	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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Alternative Operation Emission Restriction Summary

Source Id	Source Description
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**SECTION H. Miscellaneous.**

1. The emissions, capacities, and throughputs listed in Section A, D, E, F, G, and this section, excluding those in permit restrictions, are for informational purposes only and are not enforceable limits.

2. The following description of the emission processes at Conemaugh is for information purposes only:

This Operating Permit authorizes the Operation of an Electric Generating Plant known as the Conemaugh Station, located in West Wheatfield Township, Indiana County. The main sources at this facility are two (2) pulverized coal-fired (PC) boilers (Source IDs 031 and 032), with nominal fuel heat inputs of 8,060 MMBtu/hour. Each boiler powers an electrical generator with a nameplate capacity of 856-MW, for a combined capacity of 1,711-MW. Emissions from the PC boilers are controlled by low NO_x burners and selective catalytic reduction systems (SCR) (Control IDs C07 and C08) to control NO_x emissions, ammonia injection enhanced electrostatic precipitators (ESP) (Control IDs C01 and C02) to control PM emissions, and wet limestone scrubbers (Control IDs C03 and C04) to control sulfur dioxide (SO₂) emissions. Collection of SO₂, heavy metals, and acid gases, including hydrochloric acid and hydrofluoric acid, takes place in the wet scrubbers. The boilers are able to comply with NO_x emission limits with the SCR systems out of service. The SCR systems are operated at the option of the company, and reduce the number of NO_x emission credits from a NO_x trading program, used by the station. Normally, the SCRs are operated only during the five-month (May-September) "ozone" season. Operation of the SCR systems is included in the permit as an Alternative Operation Scenario. Each boiler train is also equipped with an optional Sorbent Injection System (Control IDs C101 and C102) for control of SO₃. Sorbent injection can be concurrent with, or independent of, SCR operation. Both boilers discharge to a single, dual-flue stack (Stack IDs S09 and S10). Natural gas is combusted during startup.

Supporting equipment at this site includes two, 211.5 and 212.5 MMBtu/hour, auxiliary boilers, four, 3,600-BHP, peaking, diesel electrical generators, two, emergency, diesel generators (Each 1,662-bhp), two, non-emergency, diesel engines (283-bhp and 380-bhp), limestone processing, coal storage piles, plant roads, and gypsum production.

3. Source #102, 4 Emergency Diesel Generators (4,629-bhp total) is comprised of diesel engines with a rated power greater than 500-bhp.

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

- General storage tanks
- General storage tanks (HAPs)
- Fly ash silos
- Lime silos
- Cylinder gasses for CEMs
- Water treatment systems
- Support systems equipment
- Battery room
- Transformers
- Lube oil reservoir vapor extractors
- Miscellaneous boiler house vents
- Miscellaneous vented equipment
- Contractor equipment
- Diethylene glycol usage
- FGD Hydrated Lime Silo (WWT)
- FGD WPT Clarifier
- FGD WWT Cooling Tower
- FGD WWT and WPT Totes
- 4 Parts washers

5. The ongoing requirements of PA-32-32-00059B has been incorporated into this Operating Permit. The daily inspection of the coal processing plant described in this Plan Approval shall be incorporated into daily inspection of the Conemaugh Station.

6. The Acid Rain Permit application is attached to this TVOP as Attachment 1, as instructed by EPA, Region 3.

**SECTION H. Miscellaneous.**

7. For Emergency Generator Engines (Source ID 102), for the purposes of establishing NO_x (Nitrogen Oxides, expressed as NO₂) and VOC potential to emit (PTE) only (In other words, these are not emission limits.), the following shall apply:

Emergency Diesels: 15.5 tpy NO_x, 0.50 tpy VOC. (25 Pa. Code § 127.441)

8. For the Fire Pump Engines (Source ID 103), for the purposes of establishing NO_x (Nitrogen oxides, expressed as NO₂) and VOC potential to emit (PTE) only (In other words, these are not emission limits.), the following shall apply:

Fire Pump Diesels: 3.1 tpy NO_x, 0.25 tpy VOC. (25 Pa. Code § 127.441)

9. For the purposes of establishing NO_x (nitrogen oxides, expressed as NO₂) and VOC potential to emit (PTE) only (In other words, these are not emission limits.), the following shall apply:

Space Heaters: 18.5 tpy NO_x, 0.26 tpy VOC. (25 Pa. Code § 127.441)

10. PA DEP methodology for reduction of visual opacity data observed in accordance with EPA Method 9: This data reduction methodology differs from EPA Method 9 in that it does not require a single continuous time interval and does not average datum of individual observations. Visual observations in accordance with Method 9 take place every 15 seconds and are recorded for this time interval. Since the observations of 20%, or greater, can be during multiple intervals, the number of high opacity observation readings are merely counted. For an emission limitation of opacity not to equal or exceed 20% for a period aggregating more than three minutes in any 1 hour, a total of 13 observations equal to or greater than 20% would exceed this standard.

11. Effective June 20, 2019, the following person has been identified as an additional Responsible Officials for the Conemaugh Station:

David C. Benson, COO/Manager
Keystone-Conemaugh Projects, LLC
175 Cornell Road, Suite 1
Blairsville, PA 15717

On November 16, 2017, this permit was amended to change the name of the Responsible Official from John A. Balog to Carson Leikam. At the same time, a typographical error was corrected in Paragraph 1 of this Section.

This permit was administratively amende on October 17, 2019 to incorporate the change of ownership and to correct minor typographical errors.



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