



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

TITLE V/STATE OPERATING PERMIT

Issue Date: July 25, 2023

Effective Date: July 25, 2023

Expiration Date: July 25, 2028

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: 48-00006

Federal Tax Id - Plant Code: 84-1833453-1

Owner Information

Name: PORTLAND POWER LLC
Mailing Address: PO BOX 238
PORTLAND, PA 18351-0238

Plant Information

Plant: PORTLAND POWER LLC/PORTLAND COMBUSTION TURBINE
Location: 48 Northampton County 48932 Upper Mount Bethel Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: NEIL C MACINTOSH
Title: PLANT MANAGER
Phone: (908) 955 - 6922 Email: neil.macintosh@genon.com

Permit Contact Person

Name: BRIAN SERFASS
Title: CT SUPERVISOR
Phone: (570) 897 - 6239 Email: brian.serfass@genon.com

[Signature] _____
MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER



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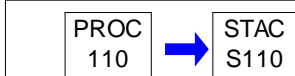
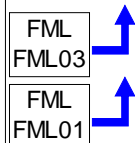
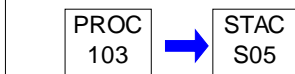
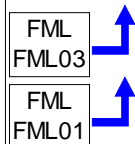
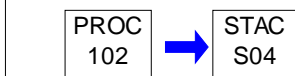
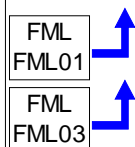
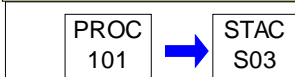
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	COMBUSTION TURBINE 3		
102	COMBUSTION TURBINE 4		
103	COMBUSTION TURBINE 5 W/H2O INJECTION	1,445.000 MMBTU/HR	
107	MAIN #2 FUEL OIL STORAGE TANK (1) AND (5) OTHER TANKS		
110	CT3 STARTING DIESEL	0.570 MMBTU/HR	
111	CT4 STARTING DIESEL	1.090 MMBTU/HR	
FML01	#2 FUEL OIL - ULSD		
FML03	NATURAL GAS LINE & HEATER		
S03	STACK - TURBINE 3		
S04	STACK - TURBINE 4		
S05	STACK - TURBINE 5		
S110	STACK - CT3 STARTING DIESEL		
S111	STACK - CT4 STARTING DIESEL		
Z107	FUGITIVE EMISSIONS - MAIN #2 FUEL OIL STORAGE TANK		

PERMIT MAPS



PERMIT MAPS

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**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 & 127.704(b)]**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. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(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

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the Department.

(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.

**SECTION B. General Title V Requirements****#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 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].

**SECTION B. General Title V Requirements****#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 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). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(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.

**SECTION B. General Title V Requirements**

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

#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.

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(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

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

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

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

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

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

(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

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phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

#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:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(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.

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(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

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

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

#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 in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**SECTION B. General Title V Requirements****#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)
- (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.

**SECTION B. General Title V Requirements**

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

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this 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.

#031 [25 Pa. Code §135.3]**Reporting**

(a) The permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active 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. All air emissions from the facility should be estimated and reported.

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

#032 [25 Pa. Code §135.4]**Report Format**

Emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) N/A
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) the emissions are of minor significance with respect to causing air pollution; and
 - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

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

003 [25 Pa. Code §123.31]**Limitations****MALODOR EMISSIONS**

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

004 [25 Pa. Code §123.41]**Limitations**

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

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

005 [25 Pa. Code §123.42]**Exceptions**

(a) The limitations of SECTION C - Condition #004 shall not apply to a visible emission in any of the following instances:

**SECTION C. Site Level Requirements**

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in SECTION C - Condition #001.

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

All sampling, testing and analyses performed in compliance with the requirements of any section of this permit shall be done in accordance with SECTION B - General Title V Requirement #023.

007 [25 Pa. Code §139.1]**Sampling facilities.**

If requested by the Department, the permittee shall conduct performance (stack) tests in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department. The permittee will provide adequate sampling ports, safe sampling platforms, and adequate utilities for the performance by the Department of tests on such source(s). The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.**# 008 [25 Pa. Code §123.43]****Measuring techniques**

(a) Visible emissions may be measured using either of the following:

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

009 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.****VISIBLE, FUGITIVE, AND MALODOR EMISSIONS**

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

- (1) Visible emissions in excess of the limits stated in SECTION C - Condition #004.
 - (i) Visible emissions may be measured according to the methods specified in SECTION C - Condition #008, or alternatively, plant personnel who observe any visible emissions in excess of SECTION C - Condition #004 will report the incident of visible emissions to the Department within four (4) hours of each incident and make arrangements for a certified observer to verify the opacity of the emissions.
- (2) The presence of fugitive emissions visible beyond the boundaries of the facility, as stated in SECTION C - Condition #002.
- (3) The presence of malodor emissions beyond the boundaries of the facility, as stated in SECTION C - Condition #003.

IV. RECORDKEEPING REQUIREMENTS.**# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

All records, reports and analysis results generated in compliance with the requirements of any section of this permit shall

**SECTION C. Site Level Requirements**

be maintained in accordance with SECTION B - General Title V Requirement #022 and shall be made available to the Department upon written or verbal request at a reasonable time.

011 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.****FUGITIVE, VISIBLE, AND MALODOR EMISSIONS**

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

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

V. REPORTING REQUIREMENTS.**# 012 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.****FUGITIVE AND VISIBLE EMISSIONS**

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

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

(c) All semi-annual reports shall be submitted based on the time periods of January 1 through June 30 and July 1 through December 31. Such reports shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period.

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

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

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

(i) The Notice shall describe the:

1. name and location of the facility;
2. nature and cause of the malfunction;
3. time when the malfunction was first observed;
4. expected duration of excess emissions; and
5. estimated rate of emissions.

(ii) Owner or operator shall notify the Department immediately when corrective measures have been accomplished.

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

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

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

**SECTION C. Site Level Requirements**

Pennsylvania Department of Environmental Protection
 Bureau of Air Quality
 Bethlehem District Office
 4530 Bath Pike
 Bethlehem, PA 18017
 (610)-861-2070

014 [25 Pa. Code §127.513]**Compliance certification.**

The reporting period for the certificate of compliance required by SECTION B -Condition #024 shall be for the previous calendar year and it shall be submitted within 60 days after the specified period but no later than March 1st.

015 [25 Pa. Code §135.21]**Emission statements**

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more oxides of nitrogen or 50 tons or more of VOC per year.

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's 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.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOC's or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

016 [25 Pa. Code §135.3]**Reporting**

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

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

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

**SECTION C. Site Level Requirements**

the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) A person responsible for any source specified in SECTION C - Condition #001 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (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.

018 [25 Pa. Code §129.14]**Open burning operations**

(a) 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.

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

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.
- (6) A fire set solely for recreational or ceremonial purposes.
- (7) A fire set solely for cooking food.

**SECTION C. Site Level Requirements**

(c) 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) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:

(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.

(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).

(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.

(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

(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.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the Clean Air Act.

020 [25 Pa. Code §127.531]

Special conditions related to acid rain.

(a) Source ID #103 at the Portland Generating Plant is subject to Phase II Acid Rain requirements under Title IV of the Clean Air Act (as Amended 1990) and 25 Pa. Code §127.531.

(b) This source shall comply with all applicable provisions of that Title, to include the following:

- (1) 40 CFR Part 72, relating to Permit Regulation
- (2) 40 CFR Part 73, relating to Sulfur Dioxide Allowance System
- (3) 40 CFR Part 75, relating to Continuous Emission Monitoring
- (4) 40 CFR Part 76, relating to Nitrogen Oxides Emission Reduction Program
- (5) 40 CFR Part 77, relating to Excess Emissions

(c) A copy of the Phase II Acid Rain Permit, which is incorporated as part of the Title V Permit, is attached.

VIII. COMPLIANCE CERTIFICATION.



SECTION C. Site Level Requirements

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: 101

Source Name: COMBUSTION TURBINE 3

Source Capacity/Throughput:

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

**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. *****

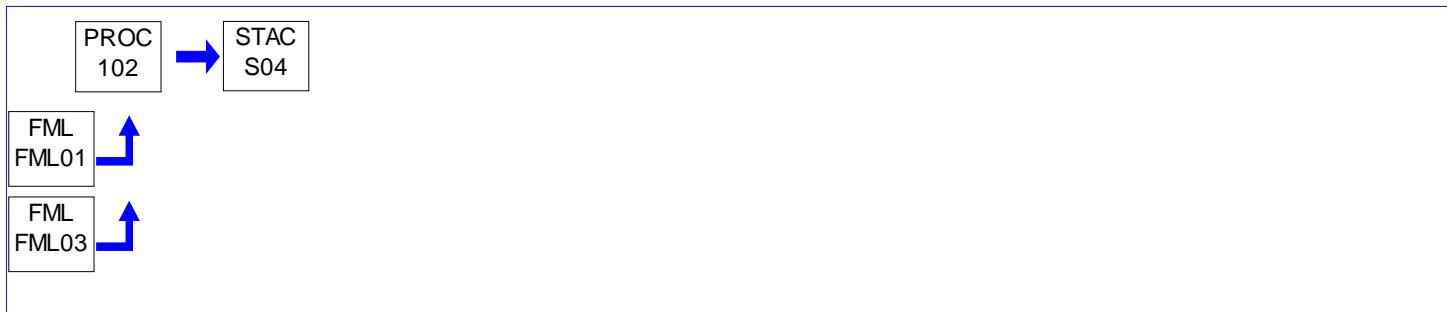
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: COMBUSTION TURBINE 4

Source Capacity/Throughput:

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

**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. *****

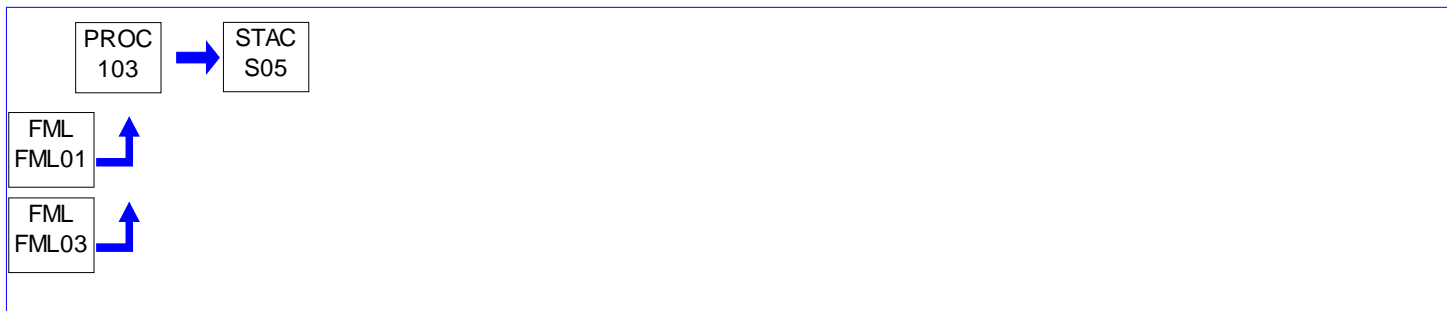
**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: COMBUSTION TURBINE 5 W/H2O INJECTION

Source Capacity/Throughput: 1,445.000 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 02
 GROUP 03
 GROUP 04
 GROUP 06

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

The concentration of Particulate Matter (expressed as TSP) in the emissions from Source ID #103 may not exceed 0.0200 grains per dry standard cubic foot of Total Suspended Particulate.

002 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §127.205]

The following maximum allowable emission limitations are hereby established for Source ID #103 under the provisions of Lowest Achievable Emission Rate (LAER):

(a) The concentration of Nitrogen Oxides (NOx) in the exhaust gases may not exceed 164.7900 Pounds per Hour when firing natural gas.

(b) The concentration of Nitrogen Oxides (NOx) in the exhaust gases may not exceed 303.1700 Pounds per Hour when firing No. 2 fuel oil.

(c) The concentration of Nitrogen Oxides (NOx) in the exhaust gases may not exceed 300.0000 Tons per Year.

(d) The concentration of Nitrogen Oxides (NOx) in the exhaust gases may not exceed 303.1700 Pounds per Hour when firing during fuel switchover.

The hourly emission limitations in paragraph (a) and (b) do not apply during periods of startup and shutdown of the turbine for a period of 1 hour.

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

[Authority for this condition is also derived from 25 Pa. Code, §127.12(c)(5)]

The following maximum allowable emission limitations are hereby established for Source ID #103 under the provisions of Best Available Technology (BAT):

(a) The concentration of Sulfur Oxides (expressed as SO₂) in the exhaust gases may not exceed the following:

**SECTION D. Source Level Requirements**

- (1) 26.1600 Pounds per Day of Sulfur Dioxide when firing natural gas.
- (2) 2,287.2000 Pounds per Day of Sulfur Dioxide when firing #2 fuel oil.
- (3) 1.9800 Tons per Year of Sulfur Dioxide when firing natural gas.*
- (4) 38.5000 Tons per Year of Sulfur Dioxide when firing #2 fuel oil.

(b) The concentration of Carbon Monoxide (CO) in the exhaust gases may not exceed the following:

- (1) 20.0100 Pounds per Hour of Carbon Monoxide when firing natural gas.
- (2) 21.9000 Pounds per Hour of Carbon Monoxide when firing #2 fuel oil.
- (3) 36.4300 Tons per Year of Carbon Monoxide when firing natural gas.*
- (4) 8.8500 Tons per Year of Carbon Monoxide when firing #2 fuel oil.

(c) The combined emissions of Volatile Organic Compounds (VOCs) in the exhaust gases may not exceed the following:

- (1) 4.5900 Pounds per Hour of Volatile Organic Compounds when firing natural gas.
- (2) 7.5400 Pounds per Hour of Volatile Organic Compounds when firing #2 fuel oil.
- (3) 8.3600 Tons per Year of Volatile Organic Compounds when firing natural gas.*
- (4) 3.050 Tons per Year of Volatile Organic Compounds when firing #2 fuel oil.

* If the total annual heat input from the firing #2 fuel oil equals or exceeds 1,519,153 MMBTU, the aforementioned limitations on emissions from the firing of natural gas shall be superceded by the following limitations:

- (i) CO emissions shall not exceed 21.56 Tons per Year of Carbon Monoxide;
- (ii) VOC emissions shall not exceed 4.94 Tons per Year of Volatile Organic Compounds; and
- (iii) SO₂ emissions shall not exceed 1.17 Tons per Year of Sulfur Dioxide.

(d) In no event shall the aggregate emissions from natural gas and #2 fuel oil firing exceed the following limitations:

- (1) 39.6700 Tons per Year of Sulfur Dioxide;
- (2) 36.4300 Tons per Year of Carbon Monoxide; and
- (3) 8.3600 Tons per Year of Volatile Organic Compound.

Fuel Restriction(s).

004 [25 Pa. Code §127.444]

Compliance requirements.

This source may combust only natural gas or #2 Fuel Oil. These fuels may only be fired on an alternating basis except during fuel switch over.

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The sulfur content of the #2 Fuel Oil combusted by this source may not exceed 0.015% (by weight).

Throughput Restriction(s).

006 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §127.12b]

The following operational limits shall apply to this turbine:

- (a) The annual heat input from the firing of natural gas only shall not exceed 6,600,523 MMBtu.
- (b) The annual firing of natural gas shall not exceed 6,377,317 Thousand Cubic Feet.
- (c) The annual heat input from the firing of #2 fuel oil only shall not exceed 1,519,153 MMBtu.
- (d) The annual firing of #2 fuel oil shall not exceed 10,968,614 Gallons.
- (e) If the annual heat input from #2 fuel oil equals 1,519,153 MMBtu, the annual heat input from the firing of natural gas shall

**SECTION D. Source Level Requirements**

not exceed 3,905,818 MMBtu.

(f) If the annual firing of #2 fuel oil equals 10,968,614 Gallons, the annual firing of natural gas shall not exceed 3,773,737 Thousand Cubic Feet.

II. TESTING REQUIREMENTS.**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.335]****Subpart GG- Standards of Performance for Stationary Gas Turbines****Test methods and procedures.**

The owner or operator shall determine compliance with the applicable nitrogen oxides emission limitation and shall meet the performance test requirements of 40 CFR §60.8 as follows:

(1) For each run of the performance test, the mean nitrogen oxides emission concentration (NO_{xo}) corrected to 15 percent O₂ shall be corrected to ISO standard conditions using the following equation. Notwithstanding this requirement, use of the ISO correction equation is optional for: Lean premix stationary combustion turbines; units used in association with heat recovery steam generators (HRSG) equipped with duct burners; and units equipped with add-on emission control devices:

$$NOX = (NOX_o)(Pr / Po)^{0.5} e^{19(Ho - 0.00633)(288^\circ K / Ta)} 1.53$$

Where:

NOX = emission concentration of NOX at 15 percent O₂ and ISO standard ambient conditions, ppm by volume, dry basis,

NOX_o = mean observed NOX concentration, ppm by volume, dry basis, at 15 percent O₂,

Pr = reference combustor inlet absolute pressure at 101.3 kilopascals ambient pressure, mm Hg,

Po = observed combustor inlet absolute pressure at test, mm Hg,

Ho = observed humidity of ambient air, g H₂O/g air,

e = transcendental constant, 2.718, and

Ta = ambient temperature, °K.

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

The permittee shall monitor and record the hours of operation and fuel consumption of this source.

009 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

(a) Compliance with the CO emission limitation shall be demonstrated by the average result of three (3) most recent Reference Method (RM) 10 compliance emission tests, or an alternative means approved by the Department. The use of a certified fuel meter system, as specified under 40 CFR Part 75, Appendix D, in conjunction with the RM 10 test procedure shall be used to produce results in Lbs per Hour units.

(b) Compliance with the VOC emission limitation shall be demonstrated by the average result of three (3) most recent Reference Methods (RM) 25A and 18 compliance emission tests, or an alternative means approved by the Department. The use of a certified fuel meter system, as specified under 40 CFR Part 75, Appendix D, in conjunction with the RM 25A and 18 test procedures shall be used to produce results in Lbs per Hour units.

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]**Subpart GG- Standards of Performance for Stationary Gas Turbines****Monitoring of operations.**

(a) The permittee has been granted approval by EPA to use the certified NO_x CEM system in lieu of continuous monitoring of the water-to-fuel ratio as described under 40 CFR §60.334(a) of NSPS Subpart GG.

(b) The permittee has been granted approval by EPA to waive the fuel sulfur/nitrogen content monitoring requirements of 40 CFR §60.334(b)(1) & (2) of NSPS Subpart GG based upon the use of the certified NO_x CEM system and fuel sampling

**SECTION D. Source Level Requirements**

requirements in accordance with 40 CFR Part 75, Appendix D, Sections 2.2 & 2.3.

011 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.11]**Subpart B--Monitoring Provisions****Specific provisions for monitoring SO₂ emissions (SO₂ and flow monitors).**

The owner or operator of an affected unit that qualifies as a gas-fired or oil-fired unit, as defined in §72.2 of Chapter I, based on information submitted by the designated representative in the monitoring plan, shall measure and record SO₂ emissions using the procedure specified in Appendix D of 40 CFR Part 75 for estimating hourly SO₂ mass emissions.

012 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.12]**Subpart B--Monitoring Provisions****Specific provisions for monitoring NO_x emissions (NO_x and diluent gas monitors).**

To demonstrate compliance with Source Level - Condition #002, the permittee shall operate a Department-approved fuel-flow monitoring system and a Continuous Emissions Monitor (CEM) that shall record the emission of Nitrogen Oxides (expressed as NO_x) from Source 103. Hourly average emission rates shall be computed using at least one data point in each 15 minute quadrant of an hour.

013 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.14]**Subpart B--Monitoring Provisions****Specific provisions for monitoring opacity.**

The owner or operator of an affected unit that qualifies as gas- or diesel-fired, as defined in §72.2 of Chapter I, based on information submitted by the designated representative in the monitoring plan is exempt from the opacity monitoring requirements of 40 CFR Part 75.

IV. RECORDKEEPING REQUIREMENTS.**# 014 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record and maintain sufficient data to demonstrate compliance with the fuel throughput limitations of Source Level - Condition #006.

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

(a) The permittee shall, on a quarterly basis, submit to the Department an Emission Report, compiled from the estimated hourly SO₂ mass emissions (determined by 40 CFR Part 75, Appendix D), NO_x CEM emission data, Carbon Monoxide and Volatile Organic Compound emission data, and Fuel Consumption data collected during the preceding year, for submission to the Department.

(b) This report shall be submitted to the Department by March 1st of each year, and in such a format that compliance with Source Level - Conditions #002 & #003 can be determined.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]**Subpart GG - Standards of Performance for Stationary Gas Turbines****Monitoring of operations.**

The permittee shall compile and submit an incident report for any period of excess emissions from this unit. For the purpose of this report, periods of excess emissions that shall be reported are defined as follows:

(a) Nitrogen Oxides (NO_x)

(1) As approved of by EPA, a NO_x exceedance for these sources is defined as an hour of excess emissions of NO_x that exceed 95.9 ppm @ 15% O₂. An hour of excess emissions shall be any unit operating hour in which the 4-hour rolling average NO_x concentration exceeds the emission limit. For the purposes of this subpart, a "4-hour rolling average NO_x

**SECTION D. Source Level Requirements**

concentration" is the arithmetic average of the average NOX concentration measured by the CEMS for a given hour (corrected to 15 percent O2 and to ISO standard conditions) and the three unit operating hour average NOX concentrations immediately preceding that unit operating hour. Records of ambient temperature, combustor inlet pressure and ambient humidity shall be maintained to allow for ISO correction at the request of EPA or the Department.

(2) The permittee may also use the historical worst case ambient conditions, in accordance with 40 CFR §60.334(b)(3)(ii), to comply with the ISO corrected NOx standard when the turbine is operated in diffusion mode only (periods of start-up and shut-down). During normal operations (lean premix mode), the correction of the NOx emissions standard to ISO conditions is at the discretion of the permittee, per the requirements of 40 CFR §60.335(6)(b)(1).

(b) Sulfur Oxides (SOx) - The permittee shall submit excess emission reports for SO2 in accordance with the requirements of 40 CFR §60.7(c).

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

Copies of all requests, reports, applications, submittals and other communications generated as a result of the requirements for Source ID #103 shall be submitted to both EPA and the Department. The EPA copies shall be forwarded to the address detailed in General Title V Condition #020 (b).

VI. WORK PRACTICE REQUIREMENTS.

018 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §127.12b]

The permittee shall maintain and operate on this unit dry, low-NOx burners with water injection to control the emission of NOx.

019 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §127.12(a)(5)]

At no time shall natural gas and #2 Fuel Oil be fired in this turbine simultaneously, except during fuel switch over.

020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.334]

Subpart GG - Standards of Performance for Stationary Gas Turbines

Monitoring of operations.

For purposes of identifying excess emissions, CEMS data must be reduced to hourly averages as specified in 40 CFR §60.13(h).

(a) A worst case ISO correction factor may be calculated and applied using historical ambient data. For the purpose of this calculation, substitute the maximum humidity of ambient air (Ho), minimum ambient temperature (Ta), and minimum combustor inlet absolute pressure (Po) into the ISO correction equation.

VII. ADDITIONAL REQUIREMENTS.

021 [25 Pa. Code §127.444]

Compliance requirements.

This source is an affected unit under the Clean Air Interstate Rule (CSAPR) as promulgated on May 12, 2005.

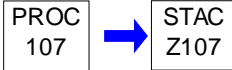
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: MAIN #2 FUEL OIL STORAGE TANK (1) AND (5) OTHER TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Fuel Restriction(s).****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §127.12(c)(5)]

The sulfur content of the #2 fuel oil from FML01, "MAIN FUEL OIL TANK", may not exceed 0.015% Sulfur.

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

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

(a) The permittee shall perform an analysis of each shipment of #2 Fuel Oil delivered to the Portland Generating Station. A representative sample shall be obtained and tested. The fuel characteristics to be determined shall include, but not be limited to, the percent (%) sulfur content, by weight. Testing shall be done in accordance with the 25 Pa. Code Chapter 139, 40 CFR Part 75 Appendix D §2.2.5, or the latest approved test method.

(b) If the supplier of the oil can provide certification of the value of the fuel characteristic mentioned in section (a) (specific to each shipment of #2 Fuel Oil delivered to the facility), the permittee may substitute such certification (signed by a responsible official and notarized) for the analysis of a representative sample.

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

The permittee shall record the results of each completed fuel oil analysis and/or any fuel characteristic certifications. These records shall be used to determine compliance with Source Level - Condition #001, shall be maintained at the site, and shall be made available to the Department upon request.

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 §129.56]****Storage tanks greater than 40,000 gallons capacity containing VOCs**

(a) The permittee may not permit the placing, storing, or holding in Source ID #107 of any volatile organic compounds with a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions.

**SECTION D. Source Level Requirements**

(b) For volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature for the hottest month of the year in which such storage takes place.

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.512]

Operating permit terms and conditions.

The requirements of this source shall apply to the following storage tanks:

- (a) Main Fuel Oil Storage Tank (Capacity = 4,060,000 gallons).
- (b) Combustion Turbine 3 Fuel Oil Storage Tank #1 (Capacity = 100,000 gallons).
- (c) Combustion Turbine 4 Fuel Oil Storage Tank #2 (Capacity = 100,000 gallons).

Tanks (b) and (c) are not filled individually, but receive their oil from storage tank (a).

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

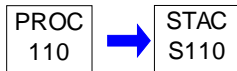
**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: CT3 STARTING DIESEL

Source Capacity/Throughput: 0.570 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 05

**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. *****

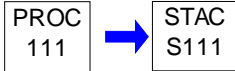
**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: CT4 STARTING DIESEL

Source Capacity/Throughput: 1.090 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 05

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 01

Group Description: Secondary Combustion Units

Sources included in this group

ID	Name
101	COMBUSTION TURBINE 3
102	COMBUSTION TURBINE 4

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

001 [25 Pa. Code §123.13]

Processes

The concentration of Particulate Matter (expressed as TSP) in the emissions from these sources may not exceed 0.0400 grains per dry standard cubic foot of Total Suspended Particulate.

002 [25 Pa. Code §123.21]

General

The concentration of Sulfur Oxides (expressed as SO₂) in the emissions from each combustion turbine may not exceed 500.0000 Parts per Million (by volume, on dry-basis) of Sulfur Dioxide.

Fuel Restriction(s).

003 [25 Pa. Code §127.444]

Compliance requirements.

These sources may only combust natural gas or #2 fuel oil. These fuels may only be fired on an alternating basis.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.512]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code, §129.92]

(a) The capacity factor of any turbine may not exceed 5% in any consecutive 12 month period.

(b) The permittee shall operate all turbines under the following condition:

(1) The capacity factor is the ratio of total net electrical power generation by the two (2) turbines [in units of Megawatt-hours (MWH)] for the last twelve (12) months to the Maximum Capacity of the two (2) turbines [in units of Megawatts (MW)] for the same 12 month period.

(2) A rolling 12-month capacity factor, as expressed in the following formula:

$$C = \frac{[12\text{-month rolling power generation for all units (in MWH)] \times 100}{[\text{Max. capacity of all units (in MW)}] \times 8760 \text{ hrs}}$$

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

[Authority for this condition is also derived from 25 Pa. Code, §129.95]

The permittee shall maintain records, in accordance with the requirements of 25 Pa. Code, §129.95, which demonstrate compliance with this Source Group Level 01 - Condition #002 & #004. These records shall include, at a minimum, the following information:

- (a) The total annual consumption of #2 fuel oil and natural gas by each turbine;
- (b) The monthly consumption of #2 fuel oil and natural gas by each turbine;
- (c) The total net electric power generation of each turbine;
- (d) The total hours of operation of each turbine on a monthly basis; and
- (e) The calculations and result of each 12-month rolling capacity factor.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

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

NO_x RACT for these sources shall be operation and maintenance in accordance with the manufacturer's specifications and good air pollution control practices and an annual capacity factor of less than 5%.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 02

Group Description: Acid Rain Permit Sources

Sources included in this group

ID	Name
103	COMBUSTION TURBINE 5 W/H2O INJECTION

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.10]****Subpart B--Monitoring Provisions****General operating requirements.**

(a) Primary Measurement Requirement. The owner or operator shall measure opacity, and all SO₂, NO_x, and CO₂ emissions for each of these units as follows:

(1) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR Part 75, a SO₂ continuous emission monitoring system and a flow monitoring system with the automated data acquisition and handling system for measuring and recording SO₂ concentration (in ppm), volumetric gas flow (in scfh), and SO₂ mass emissions (in lb/hr) discharged to the atmosphere, except as provided in §§75.11 & 75.16 and Subpart E of 40 CFR Part 75;

(2) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR Part 75, a NO_x continuous emission monitoring system (consisting of a NO_x pollutant concentration monitor and an O₂ or CO₂ diluent gas monitor) with the automated data acquisition and handling system for measuring and recording NO_x concentration (in ppm), O₂ or CO₂ concentration (in percent O₂ or CO₂) and NO_x emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in §§75.12 & 75.17 and Subpart E of 40 CFR Part 75. The owner or operator shall account for total NO_x emissions, both NO and NO₂, either by monitoring for both NO and NO₂ or by monitoring for NO only and adjusting the emissions data to account for NO₂;

(3) The owner or operator shall determine CO₂ emissions by using one of the following options, except as provided in §75.13 and Subpart E of 40 CFR Part 75:

(i) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR Part 75, a CO₂ continuous emission monitoring system and a flow monitoring system with the automated data acquisition and handling system for measuring and recording CO₂ concentration (in ppm or percent), volumetric gas flow (in scfh), and CO₂ mass emissions (in tons/hr) discharged to the atmosphere;

(ii) The owner or operator shall determine CO₂ emissions based on the measured carbon content of the fuel and the procedures in appendix G of 40 CFR Part 75 to estimate CO₂ emissions (in ton/day) discharged to the atmosphere; or

(iii) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR Part 75, a flow monitoring system and a CO₂ continuous emission monitoring system using an O₂ concentration monitor in order to determine CO₂ emissions using the procedures in appendix F of 40 CFR Part 75 with the automated data acquisition and handling system for measuring and recording O₂ concentration (in percent), CO₂ concentration (in percent), volumetric gas flow (in scfh), and CO₂ mass emissions (in tons/hr) discharged to the atmosphere.

(4) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements in 40 CFR Part 75, a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR §§75.14 & 75.18.

[Opacity monitoring requirement does not apply to Combustion Turbine 5 – unit qualifies as gas or diesel - fired, as defined in §72.2].

(b) Primary Equipment Performance Requirements. The owner or operator shall ensure that each continuous emission monitoring system required by 40 CFR Part 75 meets the equipment, installation, and performance specifications in Appendix A of 40 CFR Part 75; and is maintained according to the quality assurance and quality control procedures in Appendix B of 40 CFR Part 75; and shall record SO₂ and NO_x emissions in the appropriate units of measurement (i.e., lb/hr for SO₂ and lb/mmBtu for NO_x).

**SECTION E. Source Group Restrictions.**

(c) Heat Input Measurement Requirement. The owner or operator shall determine and record the heat input to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in Appendix F of 40 CFR Part 75.

(d) Primary equipment hourly operating requirements. The owner or operator shall ensure that all continuous emission and opacity monitoring systems required by 40 CFR Part 75 are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR §75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to §75.21 and appendix B of 40 CFR Part 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR §75.20. The owner or operator shall also ensure, subject to the exceptions above in this paragraph, that all continuous opacity monitoring systems required by 40 CFR Part 75 are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal, State, or local regulation, or permit. The owner or operator shall ensure that the following requirements are met:

(1) The owner or operator shall ensure that each continuous emission monitoring system and component thereof is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The owner or operator shall reduce all SO₂ concentrations, volumetric flow, SO₂ mass emissions, SO₂ emission rate in lb/mmBtu (if applicable), CO₂ concentration, O₂ concentration, CO₂ mass emissions (if applicable), NO_x concentration, NO_x emission rate, and Hg concentration data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to Section 75.21 and appendix B of 40 CFR Part 75, backups of data from the data acquisition and handling system, or recertification, pursuant to 40 CFR §75.20. The owner or operator shall use all valid requirements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.

(2) The owner or operator shall ensure that each continuous opacity monitoring system is capable of completing a minimum of one cycle of sampling and analyzing for each successive 10-sec period and one cycle of data recording for each successive 6-min period. The owner or operator shall reduce all opacity data to 6-min averages calculated in accordance with the provisions of 40 CFR Part 51, appendix M of Chapter I, except where the applicable State implementation plan or operating permit requires a different averaging period, in which case the State requirement shall satisfy this Acid Rain Program requirement.

(3) Failure of an SO₂, CO₂ or O₂ emissions concentration monitor, NO_x concentration monitor, Hg concentration monitor, flow monitor, moisture monitor, or NO_x-diluent continuous emission monitoring system to acquire the minimum number of data points for calculation of an hourly average in paragraph (d)(1) of this section, shall result in the failure to obtain a valid hour of data and the loss of such component data for the entire hour. An hourly average NO_x or SO₂ emission rate in lb/mmBtu is valid only if the minimum number of data points is acquired by both the pollutant concentration monitor (NO_x or SO₂) and the diluent monitor (CO₂ or O₂). For a moisture monitoring system consisting of one or more oxygen analyzers capable of measuring O₂ on a wet-basis and a dry-basis, an hourly average percent moisture value is valid only if the minimum number of data points is acquired for both wet- and dry-basis measurements. Except for SO₂ emission rate data in lb/mmBtu, if a valid hour of data is not obtained, the owner or operator shall estimate and record emissions, moisture, or flow data for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in Subpart D of 40 CFR Part 75.

(e) Optional backup monitor requirements. If the owner or operator chooses to use two or more continuous emission monitoring systems, each of which is capable of monitoring the same stack or duct at a specific affected unit, or group of units using a common stack, then the owner or operator shall designate one monitoring system as the primary monitoring system, and shall record this information in the monitoring plan, as provided for in 40 CFR §75.53. The owner or operator shall designate the other monitoring system(s) as backup monitoring system(s) in the monitoring plan. The backup monitoring system(s) shall be designated as redundant backup monitoring system(s), non-redundant backup monitoring system(s), or reference method backup system(s), as described in 40 CFR §75.20(d). When the certified primary monitoring system is operating and not out-of-control as defined in 40 CFR §75.24, only data from the certified primary monitoring system shall be reported as valid, quality-assured data. Thus, data from the backup monitoring system may be reported as valid, quality-assured data only when the backup is operating and not out-of-control as defined in 40 CFR §75.24 (or in the applicable reference method in appendix A of 40 CFR Part 60) and when the certified primary monitoring

**SECTION E. Source Group Restrictions.**

system is not operating (or is operating but out-of-control). A particular monitor may be designated both as a certified primary monitor for one unit and as a certified redundant backup monitor for another unit.

(f) Minimum measurement capability requirement. The owner or operator shall ensure that each continuous emission monitoring system and component thereof is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in §§2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A of 40 CFR Part 75.

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

Compliance testing for particulate emissions from these sources shall be determined based on the average result of three (3) compliance tests, Reference Method 5 (RM5) for each source.

III. MONITORING REQUIREMENTS.**# 003 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.12]****Subpart B--Monitoring Provisions****Specific provisions for monitoring NO_x emissions (NO_x and diluent gas monitors).**

(a) Coal-fired units, gas-fired nonpeaking units or oil-fired nonpeaking units. The owner or operator shall meet the general operating requirements in 40 CFR §75.10 for a NO_x continuous emission monitoring system for each affected coal-fired unit, gas-fired nonpeaking unit, or oil-fired nonpeaking unit, except as provided in paragraph (d) of this section, 40 CFR §75.17, and in subpart E of 40 CFR Part 75. The diluent gas monitor in the NO_x continuous emission monitoring system may measure either O₂ or CO₂ concentration in the flue gases.

(b) Moisture correction. If a correction for the stack gas moisture content is needed to properly calculate the NO_x emission rate in lb/mmBtu, e.g., if the NO_x pollutant concentration monitor measures on a different moisture basis from the diluent monitor, the owner or operator shall either report a fuel-specific default moisture value for each unit operating hour, as provided in Section E, GROUP 1 Condition #004(b)(1), or shall install, operate, maintain, and quality assure a continuous moisture monitoring system, as defined in Section E, GROUP 1 Condition #004(b)(2). Notwithstanding this requirement, if Equation 19-3, 19-4 or 19-8 in Method 19 in appendix A to 40 CFR Part 60 of this chapter is used to measure NO_x emission rate, the following fuel-specific default moisture percentages shall be used in lieu of the default values specified in Section E, GROUP 1 Condition #004(b)(1): 5.0% for anthracite coal; 8.0% for bituminous coal; 12.0% for sub-bituminous coal; 13.0% for lignite coal; and 15.0% for wood.

(c) Determination of NO_x emission rate. The owner or operator shall calculate hourly, quarterly, and annual NO_x emission rates (in lb/mmBtu) by combining the NO_x concentration (in ppm) and diluent concentration (in percent O₂ or CO₂) measurements according to the procedures in appendix F of 40 CFR Part 75.

(d) Gas-fired peaking units or oil-fired peaking units. The owner or operator of an affected unit that qualifies as a gas-fired peaking unit or oil-fired peaking unit, as defined in 40 CFR §72.2 of this chapter, based on information submitted by the designated representative in the monitoring plan shall comply with one of the following:

(1) Meet the general operating requirements in 40 CFR §75.10 for a NO_x continuous emission monitoring system; or

(2) Provide information satisfactory to EPA and the Department using the procedure specified in appendix E of 40 CFR Part 75 for estimating hourly NO_x emission rate. However, if in the years after certification of an excepted monitoring system under appendix E of 40 CFR Part 75, a unit's operations exceed a capacity factor of 20% in any calendar year or exceed a capacity factor of 10.0% averaged over three years, the owner or operator shall install, certify, and operate a NO_x continuous emission monitoring system no later than December 31 of the following calendar year.

(e) Low mass emission units. Notwithstanding the requirements of paragraphs (a) and (c) of this section, the owner or operator of an affected unit that qualifies as a low mass emissions unit under 40 CFR §75.19(a) & (b) shall comply with one of the following:

(1) Meet the general operating requirements in Section E, GROUP 3 Condition #001 for a NO_x continuous emission monitoring system;

**SECTION E. Source Group Restrictions.**

(2) Meet the requirements specified in paragraph (d)(2) of this section for using the excepted monitoring procedures in appendix E to 40 CFR Part 75, if applicable; or

(3) Use the low mass emissions excepted methodology in 40 CFR §75.19(c) for estimating hourly NO_x emission rate and hourly NO_x mass emissions, if applicable under 40 CFR §75.19(a) & (b).

(f) Other units. The owner or operator of an affected unit that combusts wood, refuse, or other material in addition to oil or gas shall comply with the monitoring provisions specified in paragraph (a) of this section.

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 03

Group Description: NOx Allowance Sources

Sources included in this group

ID	Name
103	COMBUSTION TURBINE 5 W/H2O INJECTION

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.**# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §145.70]

Monitoring systems for each NOx affected source shall comply with the initial performance testing and periodic calibration, accuracy testing and quality assurance/quality control testing as specified in the document titled, "Guidance for Implementation of Emission Monitoring Requirements for the NOx Budget Program."

Notwithstanding this permit condition, non-Part 75 sources which have Department approved NOx CEMs reporting in units of pounds NOx per hour as required under 25 Pa. Code, §139.101 (relating to general requirements) shall complete the periodic self-audits listed in the quality assurance sections of 25 Pa. Code, §139.102(3) (relating to references) at least annually and no sooner than 6 months following the previous periodic self-audit. If practicable, the audit shall be conducted between April 1 and May 31.

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §145.70]

(a) The NOx emissions from each NOx affected source at this facility shall be monitored as specified in 25 Pa. Code, §145.70 and in accordance with the procedures contained in the document titled, "Guidance for Implementation of Emission Monitoring Requirements for the NOx Budget Program."

(b) As referenced in 25 Pa. Code, §145.70, the permittee shall submit to the Department and the NOx Budget Administrator a monitoring plan in accordance with the procedures outlined in the document titled, "Guidance for Implementation of Emission Monitoring Requirements for the NOx Budget Program."

(c) New and existing unit emission monitoring systems, as required and specified by 25 Pa. Code, §145.70 and the NOx affected source's monitoring plan approved by the Department, shall be installed and operational. The installed emissions monitoring systems shall have met all of the certification testing requirements in accordance with the procedures and deadlines specified in the document titled, "Guidance for Implementation of Emission Monitoring Requirements for the NOx Budget Program" in a manner consistent with Chapter 139 (relating to sampling and testing).

(d) Sources subject to 40 CFR Part 75 shall demonstrate compliance with 25 Pa. Code, §145.70 by using a certified Part 75 monitoring system.

(e) During a period when valid data is not being recorded by devices approved for use to demonstrate compliance with the NOx Allowance Requirement subchapter, the permittee shall replace missing or invalid data with representative default data in accordance with 40 CFR Part 75 (relating to continuous emission monitoring) and the document titled, "Guidance for Implementation of Emission Monitoring Requirements for the NOx Budget Program." For non-Part 75 sources that have Department approved NOx CEMs reporting of NOx emissions in pounds of NOx per hour as required under 25 Pa. Code, §139.101, the data shall be reported to the NETS. The permittee shall continue to report submissions as required under 25 Pa. Code, Chapter 139 to the Department.

**SECTION E. Source Group Restrictions.**

(f) Sources not subject to 40 CFR Part 75 shall meet the requirements of 25 Pa. Code, §145.70.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §145.74]

The owner or operator shall maintain for each NOx affected source at this facility, the measurements, data, reports and other information required by 25 Pa. Code, §§145.1-145.100. The records shall be maintained for 5 years or any other period consistent with the terms of this operating permit.

V. REPORTING REQUIREMENTS.**# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Authority for this condition is also derived from 25 Pa. Code, §145.54]

SOURCE COMPLIANCE REQUIREMENTS

(a) Each year from November 1 through December 31, inclusive, the authorized account representative shall request the NOx Budget Administrator to deduct, consistent with 25 Pa. Code, §145.60 (relating to NOx allowance transfer procedures) a designated amount of NOx allowances by serial number, from the NOx affected source's compliance account in an amount equivalent to the NOx emitted from the NOx affected source during that year's NOx allowance control period. The designated NOx allowances shall be used in accordance with the requirements specified in 25 Pa. Code, §145.54.

(b) For each NOx allowance control period, the authorized account representative for the NOx affected source shall submit an annual compliance certification to the Department no later than the NOx allowance transfer deadline (December 31) of each year.

(c) At a minimum, the compliance certification shall contain the information and statements required under 25 Pa. Code, §145.30(b)(1)-(4).

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

The authorized account representative shall submit to the NOx Budget Administrator, electronically, emissions and operations information for each calendar quarter of each year in accordance with the document titled, "Guidance for Implementation of Emission Monitoring Requirements for the NOx Budget Program." The emissions and operations information shall be submitted in a format which meets the requirements of EPA's Electronic Data Reporting convention.

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

[Authority for this condition is also derived from 25 Pa. Code, §145.41]

(a) For each NOx affected source identified in this permit, the permittee shall hold a quantity of NOx allowances meeting the requirements of 25 Pa. Code, §145.42 (relating to NOx allocation requirements) in the source's current year NATS account by December 31 of each calendar year. The NOx allowances shall be equal to or greater than the total NOx emitted from the source during that year's NOx allowance control period.

(b) The initial NOx allowance control period begins on May 1, 1999.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 04

Group Description: SUBPART AAAAA through CCCCC TRADING PROGRAM REQUIREMENTS

Sources included in this group

ID	Name
103	COMBUSTION TURBINE 5 W/H2O INJECTION

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [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 §§97.413 through 97.418.

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

(1) The owners and operators, and the designated representative, of each CSAPR NOX Annual source and each CSAPR NOX Annual unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435.

(2) The emissions data determined in accordance with §§97.430 through 97.435 shall be used to calculate allocations of CSAPR NOX Annual allowances under §§97.411(a)(2) and (b) and 97.412 and to determine compliance with the CSAPR NOX Annual emissions limitation and assurance provisions under paragraph (c) of this section, 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 §§97.430 through 97.435 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) CSAPR 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 CSAPR NOX Annual source and each CSAPR NOX Annual unit at the source shall hold, in the source's compliance account, CSAPR NOX Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NOX emissions for such control period from all CSAPR NOX Annual units at the source.

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

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

(B) The owners and operators of the source and each CSAPR 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 this subpart and the Clean Air Act.

(2) CSAPR NOX Annual assurance provisions.

(i) If total NOX emissions during a control period in a given year from all CSAPR NOX Annual units at CSAPR NOX Annual sources in a State (and Indian country within the borders of such 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

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period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NOX Annual allowances available for deduction for such control period under §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 §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 (and Indian country within the borders of such 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 CSAPR NOX Annual units at CSAPR NOX Annual sources in the State (and Indian country within the borders of such State) for such control period exceed the State assurance level.

(ii) The owners and operators shall hold the CSAPR NOX Annual allowances required under paragraph (c)(2)(i) of this section, 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 the year of such control period.

(iii) Total NOX emissions from all CSAPR NOX Annual units at CSAPR NOX Annual sources in a State (and Indian country within the borders of such 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 §97.410(a) and the State's variability limit under §97.410(b).

(iv) It shall not be a violation of this subpart or of the Clean Air Act if total NOX emissions from all CSAPR NOX Annual units at CSAPR NOX Annual sources in a State (and Indian country within the borders of such State) during a control period exceed the State assurance level or if a common designated representative's share of total NOX emissions from the CSAPR NOX Annual units at CSAPR NOX Annual sources in a State (and Indian country within the borders of such State) during a control period exceeds the common designated representative's assurance level.

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

(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 CSAPR NOX Annual allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) of this section and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(3) Compliance periods.

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

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

(4) Vintage of CSAPR NOX Annual allowances held for compliance.

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

(ii) A CSAPR NOX Annual allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) of this section for a control period in a given year must be a CSAPR NOX Annual allowance that was allocated or auctioned 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 CSAPR NOX Annual allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with this subpart.

(6) Limited authorization. A CSAPR 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:

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(i) Such authorization shall only be used in accordance with the CSAPR NOX Annual Trading Program; and
(ii) Notwithstanding any other provision of this subpart, 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 CSAPR NOX Annual allowance does not constitute a property right.

(d) Title V permit requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NOX Annual allowances in accordance with this subpart.

(2) A description of whether a unit is required to monitor and report NOX emissions using a continuous emission monitoring system (under subpart H of part 75 of this chapter), an excepted monitoring system (under appendices D and E to part 75 of this chapter), a low mass emissions excepted monitoring methodology (under §75.19 of this chapter), or an alternative monitoring system (under subpart E of part 75 of this chapter) in accordance with §§97.430 through 97.435 may be added to, or changed in, a title V permit using minor permit modification procedures in accordance with §§70.7(e)(2) and 71.7(e)(1) of this chapter, provided that the requirements applicable to the described monitoring and reporting (as added or changed, respectively) are already incorporated in such permit. This paragraph explicitly provides that the addition of, or change to, a unit's description as described in the prior sentence is eligible for minor permit modification procedures in accordance with §§70.7(e)(2)(i)(B) and 71.7(e)(1)(i)(B) of this chapter.

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each CSAPR NOX Annual source and each CSAPR 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 §97.416 for the designated representative for the source and each CSAPR 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 §97.416 changing the designated representative.

(ii) All emissions monitoring information, in accordance with this subpart.

(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 CSAPR NOX Annual Trading Program.

(2) The designated representative of a CSAPR NOX Annual source and each CSAPR NOX Annual unit at the source shall make all submissions required under the CSAPR NOX Annual Trading Program, except as provided in §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 parts 70 and 71 of this chapter.

(f) Liability.

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

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

(g) Effect on other authorities. No provision of the CSAPR NOX Annual Trading Program or exemption under §97.405 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NOX Annual source or CSAPR 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.

**SECTION E. Source Group Restrictions.****# 002 [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 §§97.513 through 97.518.

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

(1) The owners and operators, and the designated representative, of each CSAPR NOX Ozone Season Group 1 source and each CSAPR NOX Ozone Season Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535.

(2) The emissions data determined in accordance with §§97.530 through 97.535 shall be used to calculate allocations of CSAPR NOX Ozone Season Group 1 allowances under §§97.511(a)(2) and (b) and 97.512 and to determine compliance with the CSAPR NOX Ozone Season Group 1 emissions limitation and assurance provisions under paragraph (c) of this section, 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 §§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) CSAPR NOX Ozone Season 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 CSAPR NOX Ozone Season Group 1 source and each CSAPR NOX Ozone Season Group 1 unit at the source shall hold, in the source's compliance account, CSAPR NOX Ozone Season Group 1 allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOX emissions for such control period from all CSAPR NOX Ozone Season Group 1 units at the source.

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

(A) The owners and operators of the source and each CSAPR NOX Ozone Season Group 1 unit at the source shall hold the CSAPR NOX Ozone Season Group 1 allowances required for deduction under §97.524(d); and

(B) The owners and operators of the source and each CSAPR NOX Ozone Season 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 of this subpart and the Clean Air Act.

(2) CSAPR NOX Ozone Season Group 1 assurance provisions.

(i) If total NOX emissions during a control period in a given year from all CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State (and Indian country within the borders of such 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) CSAPR NOX Ozone Season Group 1 allowances available for deduction for such control period under §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 §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 (and Indian country within the borders of such

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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 CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in the State (and Indian country within the borders of such State) for such control period exceed the State assurance level.

(ii) The owners and operators shall hold the CSAPR NOX Ozone Season Group 1 allowances required under paragraph (c)(2)(i) of this section, 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 the year of such control period.

(iii) Total NOX emissions from all CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State (and Indian country within the borders of such 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 Group 1 trading budget under §97.510(a) and the State's variability limit under §97.510(b).

(iv) It shall not be a violation of this subpart or of the Clean Air Act if total NOX emissions from all CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State (and Indian country within the borders of such State) during a control period exceed the State assurance level or if a common designated representative's share of total NOX emissions from the CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State (and Indian country within the borders of such State) during a control period exceeds the common designated representative's assurance level.

(v) To the extent the owners and operators fail to hold CSAPR NOX Ozone Season Group 1 allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) of this section,

(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 CSAPR NOX Ozone Season Group 1 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) of this section and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(3) Compliance periods.

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

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

(4) Vintage of CSAPR NOX Ozone Season Group 1 allowances held for compliance.

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

(ii) A CSAPR NOX Ozone Season Group 1 allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) of this section for a control period in a given year must be a CSAPR NOX Ozone Season Group 1 allowance that was allocated or auctioned 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 CSAPR NOX Ozone Season Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with this subpart.

(6) Limited authorization. A CSAPR NOX Ozone Season Group 1 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 CSAPR NOX Ozone Season Group 1 Trading Program; and

(ii) Notwithstanding any other provision of this subpart, the Administrator has the authority to terminate or limit the use

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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 CSAPR NOX Ozone Season Group 1 allowance does not constitute a property right.

(d) Title V permit requirements.

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NOX Ozone Season Group 1 allowances in accordance with this subpart.

(2) A description of whether a unit is required to monitor and report NOX emissions using a continuous emission monitoring system (under subpart H of part 75 of this chapter), an excepted monitoring system (under appendices D and E to part 75 of this chapter), a low mass emissions excepted monitoring methodology (under §75.19 of this chapter), or an alternative monitoring system (under subpart E of part 75 of this chapter) in accordance with §§97.530 through 97.535 may be added to, or changed in, a title V permit using minor permit modification procedures in accordance with §§70.7(e)(2) and 71.7(e)(1) of this chapter, provided that the requirements applicable to the described monitoring and reporting (as added or changed, respectively) are already incorporated in such permit. This paragraph explicitly provides that the addition of, or change to, a unit's description as described in the prior sentence is eligible for minor permit modification procedures in accordance with §§70.7(e)(2)(i)(B) and 71.7(e)(1)(i)(B) of this chapter.

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each CSAPR NOX Ozone Season Group 1 source and each CSAPR NOX Ozone Season 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 §97.516 for the designated representative for the source and each CSAPR NOX Ozone Season 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 §97.516 changing the designated representative.

(ii) All emissions monitoring information, in accordance with this subpart.

(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 CSAPR NOX Ozone Season Group 1 Trading Program.

(2) The designated representative of a CSAPR NOX Ozone Season Group 1 source and each CSAPR NOX Ozone Season Group 1 unit at the source shall make all submissions required under the CSAPR NOX Ozone Season Group 1 Trading Program, except as provided in §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 parts 70 and 71 of this chapter.

(f) Liability.

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

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

(g) Effect on other authorities. No provision of the CSAPR NOX Ozone Season Group 1 Trading Program or exemption under §97.505 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NOX Ozone Season Group 1 source or CSAPR NOX Ozone Season 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.

**SECTION E. Source Group Restrictions.****# 003 [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 §§97.613 through 97.618.

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

(1) The owners and operators, and the designated representative, of each CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635.

(2) The emissions data determined in accordance with §§97.630 through 97.635 shall be used to calculate allocations of CSAPR SO2 Group 1 allowances under §§97.611(a)(2) and (b) and 97.612 and to determine compliance with the CSAPR SO2 Group 1 emissions limitation and assurance provisions under paragraph (c) of this section, 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 §§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) CSAPR 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 CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall hold, in the source's compliance account, CSAPR SO2 Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO2 emissions for such control period from all CSAPR SO2 Group 1 units at the source.

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

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

(B) The owners and operators of the source and each CSAPR 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 of this subpart and the Clean Air Act.

(2) CSAPR SO2 Group 1 assurance provisions.

(i) If total SO2 emissions during a control period in a given year from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in a State (and Indian country within the borders of such 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) CSAPR SO2 Group 1 allowances available for deduction for such control period under §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 §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 (and Indian country within the borders of such 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

**SECTION E. Source Group Restrictions.**

(B) The amount by which total SO₂ emissions from all CSAPR SO₂ Group 1 units at CSAPR SO₂ Group 1 sources in the State (and Indian country within the borders of such State) for such control period exceed the State assurance level.

(ii) The owners and operators shall hold the CSAPR SO₂ Group 1 allowances required under paragraph (c)(2)(i) of this section, 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 the year of such control period.

(iii) Total SO₂ emissions from all CSAPR SO₂ Group 1 units at CSAPR SO₂ Group 1 sources in a State (and Indian country within the borders of such 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 §97.610(a) and the State's variability limit under §97.610(b).

(iv) It shall not be a violation of this subpart or of the Clean Air Act if total SO₂ emissions from all CSAPR SO₂ Group 1 units at CSAPR SO₂ Group 1 sources in a State (and Indian country within the borders of such State) during a control period exceed the State assurance level or if a common designated representative's share of total SO₂ emissions from the CSAPR SO₂ Group 1 units at CSAPR SO₂ Group 1 sources in a State (and Indian country within the borders of such State) during a control period exceeds the common designated representative's assurance level.

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

(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 CSAPR 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) of this section and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(3) Compliance periods.

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

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

(4) Vintage of CSAPR SO₂ Group 1 allowances held for compliance.

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

(ii) A CSAPR SO₂ Group 1 allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) of this section for a control period in a given year must be a CSAPR SO₂ Group 1 allowance that was allocated or auctioned 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 CSAPR SO₂ Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with this subpart.

(6) Limited authorization. A CSAPR 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 CSAPR SO₂ Group 1 Trading Program; and

(ii) Notwithstanding any other provision of this subpart, 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 CSAPR SO₂ Group 1 allowance does not constitute a property right.

(d) Title V permit requirements.

**SECTION E. Source Group Restrictions.**

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of CSAPR SO₂ Group 1 allowances in accordance with this subpart.

(2) A description of whether a unit is required to monitor and report SO₂ emissions using a continuous emission monitoring system (under subpart B of part 75 of this chapter), an excepted monitoring system (under appendices D and E to part 75 of this chapter), a low mass emissions excepted monitoring methodology (under §75.19 of this chapter), or an alternative monitoring system (under subpart E of part 75 of this chapter) in accordance with §§97.630 through 97.635 may be added to, or changed in, a title V permit using minor permit modification procedures in accordance with §§70.7(e)(2) and 71.7(e)(1) of this chapter, provided that the requirements applicable to the described monitoring and reporting (as added or changed, respectively) are already incorporated in such permit. This paragraph explicitly provides that the addition of, or change to, a unit's description as described in the prior sentence is eligible for minor permit modification procedures in accordance with §§70.7(e)(2)(i)(B) and 71.7(e)(1)(i)(B) of this chapter.

(e) Additional recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of each CSAPR SO₂ Group 1 source and each CSAPR 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 §97.616 for the designated representative for the source and each CSAPR 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 §97.616 changing the designated representative.

(ii) All emissions monitoring information, in accordance with this subpart.

(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 CSAPR SO₂ Group 1 Trading Program.

(2) The designated representative of a CSAPR SO₂ Group 1 source and each CSAPR SO₂ Group 1 unit at the source shall make all submissions required under the CSAPR SO₂ Group 1 Trading Program, except as provided in §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 parts 70 and 71 of this chapter.

(f) Liability.

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

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

(g) Effect on other authorities. No provision of the CSAPR SO₂ Group 1 Trading Program or exemption under §97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR SO₂ Group 1 source or CSAPR 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.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

**# 004 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.430]
Subpart AAAAA - CSAPR NO_x Annual Trading Program
General monitoring, recordkeeping, and reporting requirements.**

**SECTION E. Source Group Restrictions.**

The owners and operators, and to the extent applicable, the designated representative, of a CSAPR NOX Annual unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this subpart and subpart H of part 75 of this chapter. For purposes of applying such requirements, the definitions in §97.402 and in §72.2 of this chapter shall apply, the terms “affected unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) in part 75 of this chapter shall be deemed to refer to the terms “CSAPR NOX Annual unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) respectively as defined in §97.402, and the term “newly affected unit” shall be deemed to mean “newly affected CSAPR NOX Annual unit”. The owner or operator of a unit that is not a CSAPR NOX Annual unit but that is monitored under §75.72(b)(2)(ii) of this chapter shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR NOX Annual unit.

(a) Requirements for installation, certification, and data accounting. The owner or operator of each CSAPR NOX Annual unit shall:

(1) Install all monitoring systems required under this subpart for monitoring NOX mass emissions and individual unit heat input (including all systems required to monitor NOX emission rate, NOX concentration, stack gas moisture content, stack gas flow rate, CO₂ or O₂ concentration, and fuel flow rate, as applicable, in accordance with §§75.71 and 75.72 of this chapter);

(2) Successfully complete all certification tests required under §97.431 and meet all other requirements of this subpart and part 75 of this chapter applicable to the monitoring systems under paragraph (a)(1) of this section; and

(3) Record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

(b) Compliance deadlines. Except as provided in paragraph (e) of this section, the owner or operator of a CSAPR NOX Annual unit shall meet the monitoring system certification and other requirements of paragraphs (a)(1) and (2) of this section on or before the later of the following dates and shall record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section on and after the later of the following dates:

(1) January 1, 2015; or

(2) 180 calendar days after the date on which the unit commences commercial operation.

(3) The owner or operator of a CSAPR NOX Annual unit for which construction of a new stack or flue or installation of add-on NOX emission controls is completed after the applicable deadline under paragraph (b)(1) or (2) of this section shall meet the requirements of §75.4(e)(1) through (4) of this chapter, except that:

(i) Such requirements shall apply to the monitoring systems required under §97.430 through §97.435, rather than the monitoring systems required under part 75 of this chapter;

(ii) NOX emission rate, NOX concentration, stack gas moisture content, stack gas volumetric flow rate, and O₂ or CO₂ concentration data shall be determined and reported, rather than the data listed in §75.4(e)(2) of this chapter; and

(iii) Any petition for another procedure under §75.4(e)(2) of this chapter shall be submitted under §97.435, rather than §75.66 of this chapter.

(c) Reporting data. The owner or operator of a CSAPR NOX Annual unit that does not meet the applicable compliance date set forth in paragraph (b) of this section for any monitoring system under paragraph (a)(1) of this section shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for NOX concentration, NOX emission rate, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine NOX mass emissions and heat input in accordance with §75.31(b)(2) or (c)(3) of this chapter, section 2.4 of appendix D to part 75 of this chapter, or section 2.5 of appendix E to part 75 of this chapter, as applicable.

(d) Prohibitions.

(1) No owner or operator of a CSAPR NOX Annual unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this subpart without having obtained prior written approval in accordance with §97.435.

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(2) No owner or operator of a CSAPR NOX Annual unit shall operate the unit so as to discharge, or allow to be discharged, NOX to the atmosphere without accounting for all such NOX in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(3) No owner or operator of a CSAPR NOX Annual unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOX mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(4) No owner or operator of a CSAPR NOX Annual unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this subpart, except under any one of the following circumstances:

- (i) During the period that the unit is covered by an exemption under §97.405 that is in effect;
- (ii) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this subpart and part 75 of this chapter, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
- (iii) The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with §97.431(d)(3)(i).

(e) Long-term cold storage. The owner or operator of a CSAPR NOX Annual unit is subject to the applicable provisions of §75.4(d) of this chapter concerning units in long-term cold storage.

**# 005 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.530]
Subpart BBBB - CSAPR NOx Ozone Season Group 1 Trading Program
General monitoring, recordkeeping, and reporting requirements.**

The owners and operators, and to the extent applicable, the designated representative, of a CSAPR NOX Ozone Season Group 1 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this subpart and subpart H of part 75 of this chapter. For purposes of applying such requirements, the definitions in §97.502 and in §72.2 of this chapter shall apply, the terms “affected unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) in part 75 of this chapter shall be deemed to refer to the terms “CSAPR NOX Ozone Season Group 1 unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) respectively as defined in §97.502, and the term “newly affected unit” shall be deemed to mean “newly affected CSAPR NOX Ozone Season Group 1 unit”. The owner or operator of a unit that is not a CSAPR NOX Ozone Season Group 1 unit but that is monitored under §75.72(b)(2)(ii) of this chapter shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR NOX Ozone Season Group 1 unit.

(a) Requirements for installation, certification, and data accounting. The owner or operator of each CSAPR NOX Ozone Season Group 1 unit shall:

(1) Install all monitoring systems required under this subpart for monitoring NOX mass emissions and individual unit heat input (including all systems required to monitor NOX emission rate, NOX concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with §§75.71 and 75.72 of this chapter);

(2) Successfully complete all certification tests required under §97.531 and meet all other requirements of this subpart and part 75 of this chapter applicable to the monitoring systems under paragraph (a)(1) of this section; and

(3) Record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

(b) Compliance deadlines. Except as provided in paragraph (e) of this section, the owner or operator of a CSAPR NOX Ozone Season Group 1 unit shall meet the monitoring system certification and other requirements of paragraphs (a)(1) and (2) of this section on or before the latest of the following dates and shall record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section on and after the latest of the following dates:

(1) May 1, 2015;

**SECTION E. Source Group Restrictions.**

(2) 180 calendar days after the date on which the unit commences commercial operation; or

(3) Where data for the unit are reported on a control period basis under §97.534(d)(1)(ii)(B), and where the compliance date under paragraph (b)(2) of this section is not in a month from May through September, May 1 immediately after the compliance date under paragraph (b)(2) of this section.

(4) The owner or operator of a CSAPR NOX Ozone Season Group 1 unit for which construction of a new stack or flue or installation of add-on NOX emission controls is completed after the applicable deadline under paragraph (b)(1), (2), or (3) of this section shall meet the requirements of §75.4(e)(1) through (4) of this chapter, except that:

(i) Such requirements shall apply to the monitoring systems required under §97.530 through §97.535, rather than the monitoring systems required under part 75 of this chapter;

(ii) NOX emission rate, NOX concentration, stack gas moisture content, stack gas volumetric flow rate, and O₂ or CO₂ concentration data shall be determined and reported, rather than the data listed in §75.4(e)(2) of this chapter; and

(iii) Any petition for another procedure under §75.4(e)(2) of this chapter shall be submitted under §97.535, rather than §75.66 of this chapter.

(c) Reporting data. The owner or operator of a CSAPR NOX Ozone Season Group 1 unit that does not meet the applicable compliance date set forth in paragraph (b) of this section for any monitoring system under paragraph (a)(1) of this section shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for NOX concentration, NOX emission rate, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine NOX mass emissions and heat input in accordance with §75.31(b)(2) or (c)(3) of this chapter, section 2.4 of appendix D to part 75 of this chapter, or section 2.5 of appendix E to part 75 of this chapter, as applicable.

(d) Prohibitions.

(1) No owner or operator of a CSAPR NOX Ozone Season Group 1 unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this subpart without having obtained prior written approval in accordance with §97.535.

(2) No owner or operator of a CSAPR NOX Ozone Season Group 1 unit shall operate the unit so as to discharge, or allow to be discharged, NOX to the atmosphere without accounting for all such NOX in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(3) No owner or operator of a CSAPR NOX Ozone Season Group 1 unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOX mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(4) No owner or operator of a CSAPR NOX Ozone Season Group 1 unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this subpart, except under any one of the following circumstances:

(i) During the period that the unit is covered by an exemption under §97.505 that is in effect;

(ii) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this subpart and part 75 of this chapter, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or

(iii) The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with §97.531(d)(3)(i).

(e) Long-term cold storage. The owner or operator of a CSAPR NOX Ozone Season Group 1 unit is subject to the applicable provisions of §75.4(d) of this chapter concerning units in long-term cold storage.

**SECTION E. Source Group Restrictions.****# 006 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.630]
Subpart CCCCC - CSAPR SO2 Group 1 Trading Program
General monitoring, recordkeeping, and reporting requirements.**

The owners and operators, and to the extent applicable, the designated representative, of a CSAPR SO2 Group 1 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this subpart and subparts F and G of part 75 of this chapter. For purposes of applying such requirements, the definitions in §97.602 and in §72.2 of this chapter shall apply, the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in part 75 of this chapter shall be deemed to refer to the terms "CSAPR SO2 Group 1 unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") respectively as defined in §97.602, and the term "newly affected unit" shall be deemed to mean "newly affected CSAPR SO2 Group 1 unit". The owner or operator of a unit that is not a CSAPR SO2 Group 1 unit but that is monitored under §75.16(b)(2) of this chapter shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR SO2 Group 1 unit.

(a) Requirements for installation, certification, and data accounting. The owner or operator of each CSAPR SO2 Group 1 unit shall:

(1) Install all monitoring systems required under this subpart for monitoring SO2 mass emissions and individual unit heat input (including all systems required to monitor SO2 concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with §§75.11 and 75.16 of this chapter);

(2) Successfully complete all certification tests required under §97.631 and meet all other requirements of this subpart and part 75 of this chapter applicable to the monitoring systems under paragraph (a)(1) of this section; and

(3) Record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

(b) Compliance deadlines. Except as provided in paragraph (e) of this section, the owner or operator of a CSAPR SO2 Group 1 unit shall meet the monitoring system certification and other requirements of paragraphs (a)(1) and (2) of this section on or before the later of the following dates and shall record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section on and after the later of the following dates:

(1) January 1, 2015; or

(2) 180 calendar days after the date on which the unit commences commercial operation.

(3) The owner or operator of a CSAPR SO2 Group 1 unit for which construction of a new stack or flue or installation of add-on SO2 emission controls is completed after the applicable deadline under paragraph (b)(1) or (2) of this section shall meet the requirements of §75.4(e)(1) through (4) of this chapter, except that:

(i) Such requirements shall apply to the monitoring systems required under §97.630 through §97.635, rather than the monitoring systems required under part 75 of this chapter;

(ii) SO2 concentration, stack gas moisture content, stack gas volumetric flow rate, and O2 or CO2 concentration data shall be determined and reported, rather than the data listed in §75.4(e)(2) of this chapter; and

(iii) Any petition for another procedure under §75.4(e)(2) of this chapter shall be submitted under §97.635, rather than §75.66 of this chapter.

(c) Reporting data. The owner or operator of a CSAPR SO2 Group 1 unit that does not meet the applicable compliance date set forth in paragraph (b) of this section for any monitoring system under paragraph (a)(1) of this section shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for SO2 concentration, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine SO2 mass emissions and heat input in accordance with §75.31(b)(2) or (c)(3) of this chapter or section 2.4 of appendix D to part 75 of this chapter, as applicable.

(d) Prohibitions.

(1) No owner or operator of a CSAPR SO2 Group 1 unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this subpart without having obtained prior written approval in accordance with §97.635.

**SECTION E. Source Group Restrictions.**

(2) No owner or operator of a CSAPR SO₂ Group 1 unit shall operate the unit so as to discharge, or allow to be discharged, SO₂ to the atmosphere without accounting for all such SO₂ in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(3) No owner or operator of a CSAPR SO₂ Group 1 unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording SO₂ mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(4) No owner or operator of a CSAPR SO₂ Group 1 unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this subpart, except under any one of the following circumstances:

- (i) During the period that the unit is covered by an exemption under §97.605 that is in effect;
 - (ii) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this subpart and part 75 of this chapter, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
 - (iii) The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with §97.631(d)(3)(i).
- (e) Long-term cold storage. The owner or operator of a CSAPR SO₂ Group 1 unit is subject to the applicable provisions of §75.4(d) of this chapter concerning units in long-term cold storage.

IV. RECORDKEEPING REQUIREMENTS.

**# 007 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.434]
Subpart AAAAA - CSAPR NO_x Annual Trading Program
Recordkeeping and reporting.**

(a) General provisions. The designated representative shall comply with all recordkeeping and reporting requirements in paragraphs (b) through (e) of this section, the applicable recordkeeping and reporting requirements under §75.73 of this chapter, and the requirements of §97.414(a).

(b) Monitoring plans. The owner or operator of a CSAPR NO_x Annual unit shall comply with the requirements of §75.73(c) and (e) of this chapter.

(c) Certification applications. The designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under §97.431, including the information required under §75.63 of this chapter.

(d) Quarterly reports. The designated representative shall submit quarterly reports, as follows:

(1) The designated representative shall report the NO_x mass emissions data and heat input data for a CSAPR NO_x Annual unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the later of:

- (i) The calendar quarter covering January 1, 2015 through March 31, 2015; or
- (ii) The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under §97.430(b).

(2) The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in §75.73(f) of this chapter.

(3) For CSAPR NO_x Annual units that are also subject to the Acid Rain Program, CSAPR NO_x Ozone Season Group 1 Trading Program, CSAPR NO_x Ozone Season Group 2 Trading Program, CSAPR SO₂ Group 1 Trading Program, or CSAPR SO₂ Group 2 Trading Program, quarterly reports shall include the applicable data and information required by subparts F

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through H of part 75 of this chapter as applicable, in addition to the NOX mass emission data, heat input data, and other information required by this subpart.

(4) The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of this subpart and part 75 of this chapter, including the requirement to use substitute data.

(i) The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of this subpart and part 75 of this chapter that are relevant to the specified correction.

(ii) Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under this subpart and part 75 of this chapter, except for the deadline set forth in paragraph (d)(2) of this section.

(e) Compliance certification. The designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) The monitoring data submitted were recorded in accordance with the applicable requirements of this subpart and part 75 of this chapter, including the quality assurance procedures and specifications; and

(2) For a unit with add-on NOX emission controls and for all hours where NOX data are substituted in accordance with §75.34(a)(1) of this chapter, the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to part 75 of this chapter and the substitute data values do not systematically underestimate NOX emissions.

**# 008 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.534]
Subpart BBBBB - CSAPR NOx Ozone Season Group 1 Trading Program
Recordkeeping and reporting.**

(a) General provisions. The designated representative shall comply with all recordkeeping and reporting requirements in paragraphs (b) through (e) of this section, the applicable recordkeeping and reporting requirements under §75.73 of this chapter, and the requirements of §97.514(a).

(b) Monitoring plans. The owner or operator of a CSAPR NOx Ozone Season Group 1 unit shall comply with the requirements of §75.73(c) and (e) of this chapter.

(c) Certification applications. The designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under §97.531, including the information required under §75.63 of this chapter.

(d) Quarterly reports. The designated representative shall submit quarterly reports, as follows:

(1)(i) If a CSAPR NOx Ozone Season Group 1 unit is subject to the Acid Rain Program or the CSAPR NOx Annual Trading Program or if the owner or operator of such unit chooses to report on an annual basis under this subpart, then the designated representative shall meet the requirements of subpart H of part 75 of this chapter (concerning monitoring of NOX mass emissions) for such unit for the entire year and report the NOX mass emissions data and heat input data for such unit for the entire year.

(ii) If a CSAPR NOx Ozone Season Group 1 unit is not subject to the Acid Rain Program or the CSAPR NOx Annual Trading Program, then the designated representative shall either:

(A) Meet the requirements of subpart H of part 75 of this chapter for such unit for the entire year and report the NOX

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mass emissions data and heat input data for such unit for the entire year in accordance with paragraph (d)(1)(i) of this section; or

(B) Meet the requirements of subpart H of part 75 of this chapter (including the requirements in §75.74(c) of this chapter) for such unit for the control period and report the NOX mass emissions data and heat input data (including the data described in §75.74(c)(6) of this chapter) for such unit only for the control period of each year.

(2) The designated representative shall report the NOX mass emissions data and heat input data for a CSAPR NOX Ozone Season Group 1 unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter indicated under paragraph (d)(1) of this section beginning by the latest of:

(i) The calendar quarter covering May 1, 2015 through June 30, 2015;

(ii) The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under §97.530(b); or

(iii) For a unit that reports on a control period basis under paragraph (d)(1)(ii)(B) of this section, if the calendar quarter under paragraph (d)(2)(ii) of this section does not include a month from May through September, the calendar quarter covering May 1 through June 30 immediately after the calendar quarter under paragraph (d)(2)(ii) of this section.

(3) The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in §75.73(f) of this chapter.

(4) For CSAPR NOX Ozone Season Group 1 units that are also subject to the Acid Rain Program, CSAPR NOX Annual Trading Program, CSAPR SO₂ Group 1 Trading Program, or CSAPR SO₂ Group 2 Trading Program, quarterly reports shall include the applicable data and information required by subparts F through H of part 75 of this chapter as applicable, in addition to the NOX mass emission data, heat input data, and other information required by this subpart.

(5) The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of this subpart and part 75 of this chapter, including the requirement to use substitute data.

(i) The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of this subpart and part 75 of this chapter that are relevant to the specified correction.

(ii) Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under this subpart and part 75 of this chapter, except for the deadline set forth in paragraph (d)(3) of this section.

(e) Compliance certification. The designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) The monitoring data submitted were recorded in accordance with the applicable requirements of this subpart and part 75 of this chapter, including the quality assurance procedures and specifications;

(2) For a unit with add-on NOX emission controls and for all hours where NOX data are substituted in accordance with §75.34(a)(1) of this chapter, the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to part 75 of this chapter and the substitute data values do not systematically underestimate NOX emissions; and

(3) For a unit that is reporting on a control period basis under paragraph (d)(1)(ii)(B) of this section, the NOX emission rate and NOX concentration values substituted for missing data under subpart D of part 75 of this chapter are calculated using

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only values from a control period and do not systematically underestimate NOX emissions.

009 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.634]**Subpart CCCCC - CSAPR SO2 Group 1 Trading Program****Recordkeeping and reporting.**

(a) General provisions. The designated representative shall comply with all recordkeeping and reporting requirements in paragraphs (b) through (e) of this section, the applicable recordkeeping and reporting requirements in subparts F and G of part 75 of this chapter, and the requirements of §97.614(a).

(b) Monitoring plans. The owner or operator of a CSAPR SO2 Group 1 unit shall comply with the requirements of §75.62 of this chapter.

(c) Certification applications. The designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under §97.631, including the information required under §75.63 of this chapter.

(d) Quarterly reports. The designated representative shall submit quarterly reports, as follows:

(1) The designated representative shall report the SO2 mass emissions data and heat input data for a CSAPR SO2 Group 1 unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the later of:

- (i) The calendar quarter covering January 1, 2015 through March 31, 2015; or
- (ii) The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under §97.630(b).

(2) The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in §75.64 of this chapter.

(3) For CSAPR SO2 Group 1 units that are also subject to the Acid Rain Program, CSAPR NOX Annual Trading Program, CSAPR NOX Ozone Season Group 1 Trading Program, or CSAPR NOX Ozone Season Group 2 Trading Program, quarterly reports shall include the applicable data and information required by subparts F through H of part 75 of this chapter as applicable, in addition to the SO2 mass emission data, heat input data, and other information required by this subpart.

(4) The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of this subpart and part 75 of this chapter, including the requirement to use substitute data.

(i) The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of this subpart and part 75 of this chapter that are relevant to the specified correction.

(ii) Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under this subpart and part 75 of this chapter, except for the deadline set forth in paragraph (d)(2) of this section.

(e) Compliance certification. The designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

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(1) The monitoring data submitted were recorded in accordance with the applicable requirements of this subpart and part 75 of this chapter, including the quality assurance procedures and specifications; and

(2) For a unit with add-on SO₂ emission controls and for all hours where SO₂ data are substituted in accordance with §75.34(a)(1) of this chapter, the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to part 75 of this chapter and the substitute data values do not systematically underestimate SO₂ emissions.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 05

Group Description: STARTING DIESELS

Sources included in this group

ID	Name
110	CT3 STARTING DIESEL
111	CT4 STARTING DIESEL

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

(a) No person may permit the emission into the outdoor atmosphere of particulate matter, expressed as TSP, from each engine in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot of Total Suspended Particulate, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

002 [25 Pa. Code §123.21]**General**

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

003 [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**

As stated in §§63.6600, 63.6602, and 63.6640, you must comply with the following requirements for existing compression ignition stationary RICE located at a major source of HAP emissions and existing spark ignition stationary RICE =500 HP located at a major source of HAP emissions:

For each;

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

1. Emergency stationary CI RICE and black start stationary CI RICE.1
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first.2
 - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.3

During periods of startup you must;

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

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

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

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

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

(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.

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

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.

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

Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each;

Existing emergency and black start stationary RICE less than 500 HP located at a major source of HAP,

You must demonstrate continuous compliance by:

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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.**# 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?**

**SECTION E. Source Group Restrictions.**

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

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

(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.

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

IV. RECORDKEEPING REQUIREMENTS.

007 [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.

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

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

V. REPORTING REQUIREMENTS.

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.

(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).

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 06

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

Sources included in this group

ID	Name
103	COMBUSTION TURBINE 5 W/H2O INJECTION

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Authority for this streamlined permit condition is derived from 25 Pa. Code § 129.97, Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

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

(2) A combustion turbine:

(iv) For a simple cycle or regenerative cycle combustion turbine with a rated output equal to or greater than 6,000 bhp when firing:

(A) Natural gas or a noncommercial gaseous fuel, 42 ppmvd NOx @ 15% oxygen.

(B) Fuel oil, 96 ppmvd NOx @ 15% oxygen.

(C) Natural gas or a noncommercial gaseous fuel, 9 ppmvd VOC (as propane) @ 15% oxygen.

(D) Fuel oil, 9 ppmvd VOC (as propane) @ 15% oxygen.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Authority for this streamlined permit condition is derived from 25 Pa. Code § 29.100, Compliance demonstration and recordkeeping requirements.

(a) Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NOx 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:

For NOx:

(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 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.

**SECTION E. Source Group Restrictions.**

(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.

For VOC:

(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.

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 F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
101	COMBUSTION TURBINE 3		
Emission Limit		Pollutant	
500.000	PPMV		SO2
0.040	gr/DRY FT3		TSP
102	COMBUSTION TURBINE 4		
Emission Limit		Pollutant	
500.000	PPMV		SO2
0.040	gr/DRY FT3		TSP
103	COMBUSTION TURBINE 5 WH2O INJECTION		
Emission Limit		Pollutant	
8.850	Tons/Yr	firing #2 fuel oil	CO
20.010	Lbs/Hr	firing natural gas	CO
21.900	Lbs/Hr	firing #2 fuel oil	CO
36.430	Tons/Yr	firing natural gas*	CO
164.790	Lbs/Hr	firing natural gas	NOX
300.000	Tons/Yr	aggregate emissions	NOX
303.170	Lbs/Hr	during fuel switchover	NOX
303.170	Lbs/Hr	firing #2 fuel oil	NOX
1.980	Tons/Yr	firing natural gas*	SO2
26.160	Lbs/Day	firing natural gas	SO2
38.500	Tons/Yr	firing #2 fuel oil	SO2
2,287.200	Lbs/Day	firing #2 fuel oil	SO2
0.020	gr/DRY FT3		TSP
3.050	Tons/Yr	firing #2 fuel oil	VOC
4.590	Lbs/Hr	firing natural gas	VOC
7.540	Lbs/Hr	firing #2 fuel oil	VOC
8.360	Tons/Yr	firing natural gas*	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

The Department received the Title V operating permit application for this facility on May 16, 2022. The Title V operating fees shall be paid in accordance with PA Code Title 25, Section 127.704 and Section 127.705. The annual maintenance fees are due no later than December 31, annually.

The following is a list of sources that have been determined by the Department to be of minor significance under 25 Pa. Code, Chapter 127, Section 127.14(a)(8) and are not regulated in this TV Operating Permit. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-143:

(1) Ammonium Hydroxide Storage: Ammonium Hydroxide is stored in drums, and are kept sealed during storage. When in use, ammonium hydroxide is used to make an ammonia solution, which is stored in two (2) 400-gallon capacity storage tanks. Any losses from these tanks are due to accidental spillage.

(2) Aluminum Sulfate Storage: Aluminum Sulfate is stored in a 400 gallon capacity storage tank. Any losses from this tank are due to accidental spillage.

(3) Main Station, Combustion Turbine, ESP & Coal Transformers: These 17 transformers are sealed units which use non-PCB transformer oils. There are no expected atmospheric emissions.

(4) Dilute Sulfuric Acid Storage: This above-ground tank is a horizontal, fixed roof tank which holds a maximum of 750 gallons of 10% H₂SO₄ solution. Any losses from this tank are due to accidental spillage.

(5) Concentrated Sulfuric Acid Storage: This above-ground tank is a horizontal, fixed roof tank which holds a maximum of 6,000 gallons of 93% H₂SO₄ solution. Any losses from this tank are due to accidental spillage.

(6) Dilute Sodium Hydroxide Storage: This above-ground tank is a horizontal, fixed roof tank which holds a maximum of 5,000 gallons of 20% NaOH solution. Any losses from this tank are due to accidental spillage.

(7) Concentrated Sodium Hydroxide Storage: This above-ground tank is a horizontal, fixed roof tank which holds a maximum of 4,000 gallons of 50% NaOH solution. Any losses from this tank are due to accidental spillage.

(8) Water Treatment Dilute Caustic Storage: This above-ground tank is a horizontal, fixed roof tank which holds a maximum of 1,000 gallons of 4% NaOH solution. Any losses from this tank are due to accidental spillage.

(9) Water Treatment Dilute Acid Storage: These two (2) above-ground tanks are horizontal, fixed roof tanks which each hold a maximum of 1,000 gallons of H₂SO₄ solution. One tank holds a 2% H₂SO₄ solution, and the other holds a 5% H₂SO₄ solution. Any losses from these tanks are due to accidental spillage.

(10) Emergency Generator Fuel Storage: Three (3) small storage tanks (275 gallon capacity each) are used to store the diesel fuel used to supply the emergency generators.

(11) Dravo Heater Fuel Oil Storage: This above-ground tank is a horizontal, fixed roof tank which holds a maximum of 1,200 gallons of #2 fuel oil.

(12) Miscellaneous Minor Sources: These include Support Systems equipment (Hydraulic & lubricating oil storage and handling), Battery Charger emissions (emits small amounts of hydrogen gas), various Vented Equipment (which emit mostly steam and water vapor), and the Water Pretreatment and Wastewater Treatment & Handling (sedimentation basins and the coal run-off pond) systems.

Additional Responsible Official:

Mark Gouveia
Senior VP of Operations
(301) 843-4410

The Department approved an Administrative Amendment on August 6, 2019 for the removal of the following sources from the site:

Source 104 - Emergency Diesel Fire Pump

Source 106 - One (1) Above Ground 500 Gallon Gasoline Storage Tank

Source 108 - One (1) 10,000 Gallon Diesel Underground Tank for Off-Road Equipment

Source 109 - Emergency Generators, Two (2)



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