



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: October 16, 2023

Effective Date: October 16, 2023

Expiration Date: October 15, 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: 08-00045**

Federal Tax Id - Plant Code: 45-2015223-1

**Owner Information**

Name: HAMILTON LIBERTY LLC  
Mailing Address: 151 LIBERTY LN  
TOWANDA, PA 18848-5301

**Plant Information**

Plant: HAMILTON LIBERTY LLC/HAMILTON LIBERTY LLC  
Location: 08 Bradford County 08907 Asylum Township  
SIC Code: 4911 Trans. & Utilities - Electric Services

**Responsible Official**

Name: BRIAN ZECHMAN  
Title: GENERAL MGR  
Phone: (570) 268 - 6902 Email: BrianZechman@cogentrix.com

**Permit Contact Person**

Name: RYAN SINGER  
Title: EHS MANAGER  
Phone: (570) 547 - 3708 Email: RyanSinger@cogentrix.com

[Signature] \_\_\_\_\_  
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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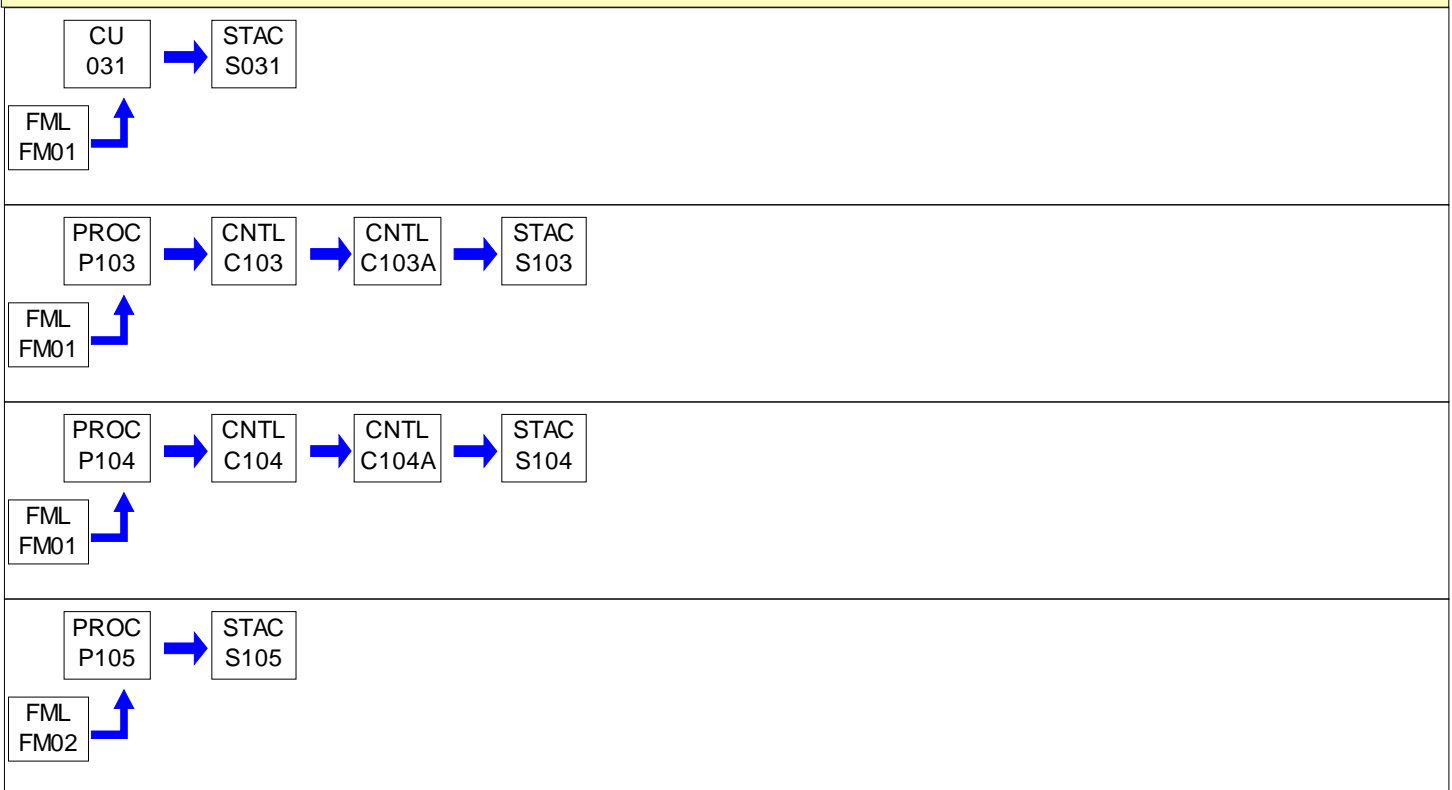
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	12.72 MMBTU/HR FUEL HEATER	12.700 MCF/HR	Natural Gas
P103	454 MW COMBUSTION TURBINE & DUCT BURNER	3,144.000 MMBTU/HR	
P104	454 MW COMBUSTION TURBINE & DUCT BURNER	3,144.000 MMBTU/HR	
P105	EMERGENCY ENGINE-GENERATOR		
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C103	SCR		
C103A	OXIDATION CATALYST		
C104	SCR		
C104A	OXIDATION CATALYST		
FM01	NATURAL GAS		
FM02	1600 GALLON DIESEL TANK		
FM03	550 GALLON DIESEL TANK		
S031	STACK		
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**PERMIT MAPS**



**PERMIT MAPS**



**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

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

**#002 [25 Pa. Code § 121.7]****Prohibition of Air Pollution**

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

**#003 [25 Pa. Code § 127.512(c)(4)]****Property Rights**

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

**#004 [25 Pa. Code § 127.446(a) and (c)]****Permit Expiration**

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

**#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 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

**SECTION B. General Title V Requirements**

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.

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(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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> 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**

The permittee shall not permit the emission of fugitive air contaminants into the outdoor atmosphere 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) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (a) the emissions are of minor significance with respect to causing air pollution; and
- (b) 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 shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) in condition #001 if the emissions are visible at the point the emissions pass outside the permittee's property.

**# 003 [25 Pa. Code §123.41]****Limitations**

The permittee shall not permit the emission of visible air contaminants into the outdoor atmosphere 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.

**# 004 [25 Pa. Code §123.42]****Exceptions**

The emission limitations in condition #003 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in condition #001 (1) through (8).

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

- (a) The permittee shall comply with the emissions limitations specified below at all times including during periods of startup and shutdown:

the combined emissions from all sources at this facility shall not emit more than 173.7 ton of carbon monoxide in any 12 consecutive month period, 202.8 tons of nitrogen oxides (as nitrogen dioxide) in any 12 consecutive month period, 60.2 tons of volatile organic compounds in any 12 consecutive month period, 13.00 tons of total hazardous air pollutants in any 12 consecutive month period, 107.4 tons of total PM (PM<sub>10</sub>/PM<sub>2.5</sub> including condensable PM) in any 12 consecutive month period, 26.8 tons of sulfur oxides (as sulfur dioxide) in any 12 consecutive month period, 4.2 tons of sulfuric acid mist in any 12 consecutive month period and 2,777,255 tons of greenhouse gases in any 12 consecutive month period.



**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from the best available control technology requirements of the Prevention of Significant Deterioration provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the best available technology requirements of 25 Pa. Code Section 127.1 and 127.12]

The combined total sulfur hexafluoride (SF<sub>6</sub>) emissions from all of the circuit breakers used at the facility shall not exceed 6.3 pounds in any 12 consecutive month period. Additionally, the total greenhouse gas emissions from all of the circuit breakers used at the facility shall not exceed 75.3 tons in any 12 consecutive month period.

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

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager (RA-EPNCstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (RA-EPstacktesting@pa.gov). The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Within sixty (60) days of the completion of the stack tests required by this permit, an electronically submitted copy of the report in .pdf format shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

(d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

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

(e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(g) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), one electronic copy of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager. In addition, one electronic copy shall be sent to the PSIMS Administrator in Central Office using the emails above when the file is 35 MB or less, or a flash drive when the file is over 35 MB.

(h) The permittee shall insure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

**SECTION C. Site Level Requirements****# 008 [25 Pa. Code §139.1]****Sampling facilities.**

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

**# 009 [25 Pa. Code §139.11]****General requirements.**

(1) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the respective source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(2) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum all of the following:

- (a) A thorough source description, including a description of any air cleaning devices and the flue.
- (b) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions which may affect emissions from the process.
- (c) The location of the sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures.
- (e) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (f) Laboratory procedures and results.
- (g) Calculated results.

**III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

(a) The permittee shall conduct a daily inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions, and malodors. Daily inspections are necessary to determine:

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

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

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

[Additional authority for this condition is derived from the best available control technology requirements of the Prevention of Significant Deterioration provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the best available technology requirements of 25 Pa. Code Section 127.1 and 127.12]

The circuit breakers at the facility shall be state-of-the-art sealed enclosed-pressure circuit breakers equipped with low-

**SECTION C. Site Level Requirements**

pressure alarms and a low-pressure lockout where the alarms are triggered when 10% of the sulfur hexafluoride (SF6) (by weight) has escaped. When the alarms are triggered, the permittee shall take immediate corrective action to fix the circuit breaker units to a like-new state to prevent the emission of sulfur hexafluoride (SF6) to the maximum extent practicable.

**IV. RECORDKEEPING REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) The permittee shall keep a comprehensive and accurate logbook of the daily facility inspections performed. The logbook shall include records of instances of visible emissions, visible fugitive emissions and malodorous air emissions, the name of the company representative monitoring these instances, the date and time of each occurrence, and the wind direction during each instance.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall keep accurate and comprehensive records of:

(1) the nitrogen oxides, carbon monoxide, volatile organic compounds, greenhouse gasses, total hazardous air pollutants, sulfur oxides (SO<sub>2</sub>), sulfuric acid mist, total PM, total PM<sub>10</sub>, total PM<sub>2.5</sub>, and sulfur hexafluoride (SF<sub>6</sub>) emissions including emissions calculations from all air-contaminant sources, on a monthly basis, in order to demonstrate compliance with the emission limitations for all sources at the facility,

(2) the permittee shall keep records of the amount of sulfur hexafluoride (SF<sub>6</sub>) dielectric fluid is added to each circuit breaker unit each month

(3) the date and time that each alarm associated with the circuit breaker units is activated, the corrective action taken to remedy the problem associated with each alarm, and the date the corrective action remedied the problem.

(b) All information used to satisfy this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

**# 015 [25 Pa. Code §135.5]****Recordkeeping**

The permittee shall maintain and make available upon request of the Department such records, including computerized records that may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

All records generated pursuant to this condition shall be retained for a minimum of five years and be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #026 of Section B, General Title V Requirements, no later than September 1 (from July 1 of the previous year through June 30 of the current year). The following email address shall be used to submit the compliance certifications to EPA Region III:

R3\_APD\_Permits@epa.gov

**SECTION C. Site Level Requirements**

(b) The permittee shall submit the semiannual reports of required monitoring to the Department, as specified in Condition #025 of Section B, General Title V Requirements, no later than September 1 (for January 1 through June 30) and March 1 (for July 1 through December 31 of the previous year).

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall submit semi-annual reports that include:

(1) the nitrogen oxides, carbon monoxide, volatile organic compound, greenhouse gas, total hazardous air pollutants, sulfur oxides (SO<sub>2</sub>), sulfuric acid mist, total PM, total PM<sub>10</sub>, total PM<sub>2.5</sub>, and sulfur hexafluoride (SF<sub>6</sub>) emissions including emissions calculations from all air-contaminant sources, on a monthly basis, in order to demonstrate compliance with the emission limitations for all sources at the facility,

(2) the amount of sulfur hexafluoride (SF<sub>6</sub>) dielectric fluid added to each circuit breaker unit each month,

(3) the date and time that each alarm associated with the circuit breaker units is activated, the corrective action taken to remedy the problem associated with each alarm, and the date the corrective action remedied the problem.

(b) The semi-annual reports shall be submitted to the Department no later than March 1 (for January 1 through December 31 of the previous year) and September 1 (for July 1 of the previous year through June 30 of the concurrent year).

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit all requested reports in accordance with the Department's suggested format.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit

**SECTION C. Site Level Requirements**

justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

**# 020 [25 Pa. Code §135.21]****Emission statements**

(a) The permittee shall provide the Department an Air Information Management System (AIMS) emission report of each stationary source in a form prescribed by the Department, showing the actual emissions of oxides of nitrogen and volatile organic compounds (VOCs) from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

(b) The annual Air Information Management System (AIMS) emission report is due by March 1 for the preceding calendar year and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The permittee shall provide data consistent with requirements and guidance developed by the EPA.

(c) 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 Air Pollution Control Act.

**# 021 [25 Pa. Code §135.3]****Reporting**

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March 1 of each year an AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 022 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in (1) through (8) in condition #001 herein. 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.

**SECTION C. Site Level Requirements****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from the best available technology requirements of 25 Pa. Code Section 127.1 and 127.12]

All air-contaminant sources and control devices shall be maintained and operated in a manner consistent with good air pollution control practices and in accordance with the manufacturer's recommendations.

**VII. ADDITIONAL REQUIREMENTS.****# 024 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

**# 025 [25 Pa. Code §123.31]****Limitations**

The permittee shall not permit the emission of any malodorous air contaminants into the outdoor atmosphere 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.

**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Department will evaluate the actual emission rates and may revise the allowable emission limitations based upon demonstrated performance (CEMS data, stack tests results), and/or subsequently promulgated applicable requirements during the first five years of operation. Any revision of the allowable emission limitations shall be accomplished after five years of operation by minor modification provided that the revised allowable emission limitations do not exceed levels at which the lowest achievable emission rate (LAER), best available control technology (BACT) and best available technology (BAT) were evaluated, do not exceed the level at which the facility impacts were modeled, and that are not a result of a physical change or change in method of operation at the facility.

**# 027 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

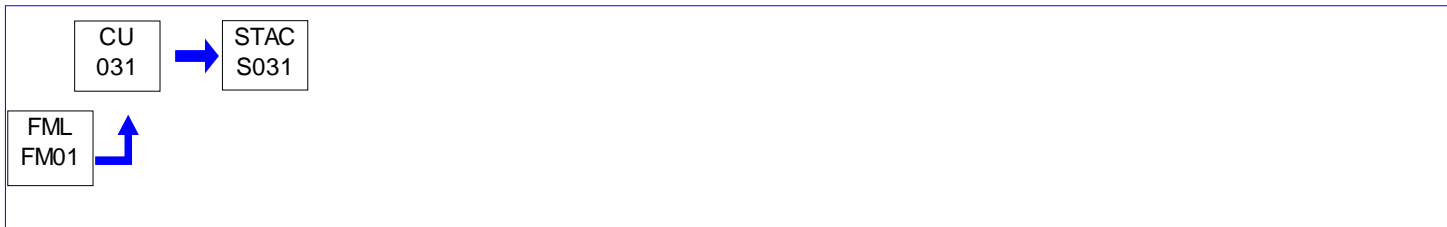
Source ID: 031

Source Name: 12.72 MMBTU/HR FUEL HEATER

Source Capacity/Throughput:

12.700 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 031 in excess of the rate of 0.4 pounds per million Btu of heat input.

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

[Compliance with the requirement specified in the streamlined permit condition assures the compliance with the provision in 40 CFR 52.2020(c)]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from Source ID 031 in excess of the rate of 4 pounds per million Btu of heat input.

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

[Additional authority for this permit condition is derived from the Request for Determination dated December 1, 2014]

(a) Emissions from the operation of Source ID 031 shall not exceed the limits specified below:

- i. Carbon monoxide: 0.037 lb/MMBtu
- ii. Nitrogen oxides (expressed as NO<sub>2</sub>): 0.011 lb/MMBtu
- iii. Volatile organic compounds: 0.006 lb/MMBtu

**Fuel Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the Request for Determination dated December 1, 2014]

Source ID 031 shall only be fired on pipeline quality natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall keep records of the following information:

- (1) The amount of natural gas burned on a monthly basis in Source ID 031
- (2) Supporting calculations for the particulate matter, sulfur oxides, nitrogen oxides, carbon monoxide, VOCs, and greenhouse gas (expressed as CO<sub>2</sub>e) emissions.

(b) These records shall be kept for a minimum of five (5) years and be presented 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.**

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 §127.441]****Operating permit terms and conditions.**

Source ID 031 is one 12.7 MMBtu/hr natural-gas-fired fuel heater.

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



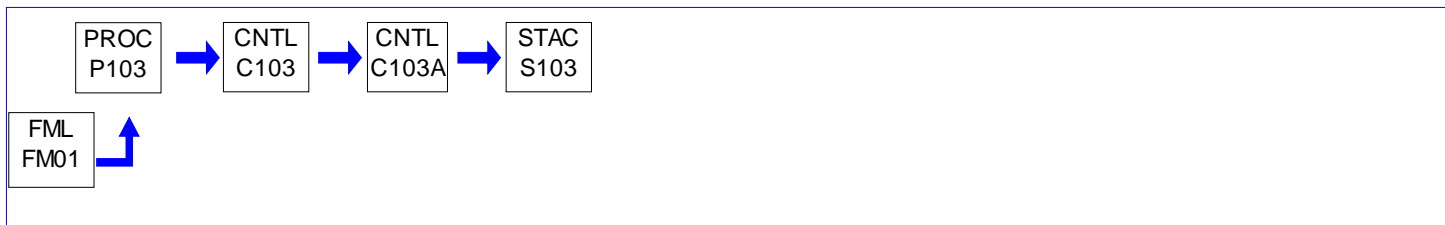
**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: 454 MW COMBUSTION TURBINE &amp; DUCT BURNER

Source Capacity/Throughput: 3,144.000 MMBTU/HR

Conditions for this source occur in the following groups: POWERBLOCKS

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

[Compliance with this permit condition assures compliance with the nitrogen oxide standard specified in 40 CFR Section 60.4320]

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the LAER provisions of the New Source Review Regulation regulations in 25 Pa. Code Sections 127.201 through 127.217 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

[Compliance with this permit condition assures compliance with the NO<sub>x</sub> limit of 4 parts per million, by volume, dry basis, corrected to 15% oxygen specified in 25 Pa. Code Section 129.112(g)(2)(iii)(A)]

(a) The emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P103 shall not exceed the following limitation:

(1) Nitrogen oxides (expressed as NO<sub>2</sub>): 2.0 ppm<sub>dv</sub>

(b) ppm<sub>dv</sub> = parts per million volume on a dry gas basis, corrected to 15 percent O<sub>2</sub>

(c) The above emission limit shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the LAER provisions of the New Source Review Regulation regulations in 25 Pa. Code Sections 127.201 through 127.217 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

[Compliance with this permit condition assures compliance with the VOC limit of 2 parts per million, by volume, dry basis, corrected to 15% oxygen specified in 25 Pa. Code Section 129.112(g)(2)(iii)(B)]

(a) The emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P103 shall not exceed the following limitation:

(1) Volatile organic compounds (expressed as propane): 1.0 ppm<sub>dv</sub> (without duct burner) and 1.5 ppm<sub>dv</sub> (with duct burner)

(b) ppm<sub>dv</sub> = parts per million volume on a dry gas basis, corrected to 15 percent O<sub>2</sub>

(c) The above emission limit shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The annual emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P103 (including startups and shutdowns) shall not exceed any of the following limitations in any 12 consecutive month period:

- (1) 86.8 tons of carbon monoxide
- (2) 100.7 tons of nitrogen oxides (expressed as NO<sub>2</sub>)
- (3) 13.4 tons of sulfur oxides (expressed as SO<sub>2</sub>)
- (4) 2.1 tons of sulfuric acid mist
- (5) 53.7 tons of total (filterable and condensable) particulate matter
- (6) 53.7 tons of PM<sub>10</sub>
- (7) 53.7 tons of PM<sub>2.5</sub>
- (8) 99.9 tons of ammonia
- (9) 30.1 tons of volatile organic compounds
- (10) 1,388,540 tons of greenhouse gases (expressed as CO<sub>2</sub>e)

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

[Compliance with the sulfur oxides emission limit in this condition assures compliance with the sulfur dioxide standard specified in 40 CFR Section 60.4330, and compliance with the particulate matter and sulfur oxides emissions limitations assures compliance with the limitations of 25 Pa. Code Chapter 123, relating to particulate matter emissions and sulfur compound emissions, respectively]

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

(a) Emissions from the operation of the combined-cycle combustion turbine unit incorporated into Source ID P103 shall not exceed the limits specified below:

- (1) Carbon monoxide: 2.0 ppm<sub>dv</sub>
- (2) Sulfur oxides (expressed as SO<sub>2</sub>): 0.0011 lb/MMBtu
- (3) Total (filterable and condensable) Particulate Matter: 0.0057 lb/MMBtu
- (4) Total PM<sub>10</sub>: 0.0057 lb/MMBtu
- (5) Total PM<sub>2.5</sub>: 0.0057 lb/MMBtu
- (6) H<sub>2</sub>SO<sub>4</sub>: 0.0005 lb/MMBtu

(b) ppm<sub>dv</sub> = parts per million volume on a dry gas basis, corrected to 15 percent O<sub>2</sub>

(c) The above emissions limits shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P103 shall not exceed any of the following limitations:

- (1) Carbon monoxide: 15.0 pounds per hour
- (2) Nitrogen oxides: 24.7 pounds per hour
- (3) Ammonia: 22.8 pounds per hour
- (4) Sulfur dioxide: 3.3 pounds per hour
- (5) Sulfuric acid mist: 1.4 pounds per hour
- (6) Total (filterable and condensable) particulate matter: 12.8 pounds per hour
- (7) Total PM<sub>10</sub>: 12.8 pounds per hour

**SECTION D. Source Level Requirements**

- (8) Total PM<sub>2.5</sub>: 12.8 pounds per hour  
 (9) Volatile organic compounds (expressed as propane): 5.4 pounds per hour.
- (b) The above emissions limits shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is from 25 Pa. Code Section 129.115(b)(1)]

(b)(1) For the combined-cycle turbine, the permittee shall perform 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-operating day rolling average.

(i) A 30-operating 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.

(ii) Each 30-operating 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.

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

[Additional authority for this condition is from 25 Pa. Code Section 129.115(f) and (k)]

(f) For the combined-cycle turbine, the permittee shall keep records to demonstrate compliance with §§ 129.111—129.114 and submit reports to the Department in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources)

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111—129.114 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(3) The records necessary to determine compliance shall be reported to the Department on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(k) The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a written request from the Department.

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

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

(a) The permittee shall monitor and keep records of the amount of fuel used each month in the combined-cycle combustion turbine unit incorporated into Source ID P103 as well as the monthly heat input (MMBtu), power output (MW-hr) and hours of operation of the turbine to verify compliance with the input-based BACT and BAT efficiency limitation.

**SECTION D. Source Level Requirements**

(b) All information used to satisfy this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall keep accurate and comprehensive records of the nitrogen oxides, carbon monoxide, volatile organic compounds, greenhouse gasses, total hazardous air pollutants, sulfur oxides (SO<sub>2</sub>), sulfuric acid mist, total PM, total PM<sub>10</sub>, total PM<sub>2.5</sub>, formaldehyde, hexane, and toluene emissions including emissions calculations from the combined-cycle combustion turbine unit incorporated into Source ID P103, on a monthly basis, in order to demonstrate compliance with the emission limitations.

(b) All information used to satisfy this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit the records of the amount of fuel used each month in the combined-cycle combustion turbine unit incorporated into Source ID P103 as well as the monthly heat input (MMBtu), power output (MW-hr) and hours of operation of the turbine to verify compliance with the input-based BACT and BAT efficiency limitation.

(b) The semi-annual reports shall be submitted to the Department no later than March 1 (for January 1 through December 31 of the previous year) and September 1 (for July 1 of the previous year through June 30 of the concurrent year).

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

(a) The permittee shall submit semi-annual reports that include:

(1) The nitrogen oxides, carbon monoxide, volatile organic compound, greenhouse gas, total hazardous air pollutants, sulfur oxides (SO<sub>2</sub>), sulfuric acid mist, total PM, total PM<sub>10</sub>, total PM<sub>2.5</sub>, formaldehyde, hexane, and toluene emissions including emissions calculations from the combined-cycle combustion turbine unit incorporated into Source ID P103, on a monthly basis, in order to demonstrate compliance with the emission limitations.

(b) The semi-annual reports shall be submitted to the Department no later than March 1 (for January 1 through December 31 of the previous year) and September 1 (for July 1 of the previous year through June 30 of the concurrent year).

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

The submission of all requests, reports, applications, submittals and other communications required by this permit and federal regulations, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The Environmental Protection Agency copies may be sent to:

R3\_Air\_Apps\_and\_Notices@epa.gov

And

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

**SECTION D. Source Level Requirements**

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**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.**

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P103 is one 454 MW Siemens model SGT6-8000H natural-gas-fired combined-cycle combustion turbine unit where the combustion turbine unit consists of a 2980 MMBtu/hr (HHV) and 2685 MMBtu/hr (LHV) combustion turbine and heat recovery steam generator with 164 MMBtu/hr (HHV) and 148 MMBtu/hr (LHV) duct burner. The air contaminants are controlled by a selective catalytic reduction unit and an oxidation catalyst.

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

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: 454 MW COMBUSTION TURBINE &amp; DUCT BURNER

Source Capacity/Throughput: 3,144.000 MMBTU/HR

Conditions for this source occur in the following groups: POWERBLOCKS

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

[Compliance with this permit condition assures compliance with the nitrogen oxide standard specified in 40 CFR Section 60.4320]

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the LAER provisions of the New Source Review Regulation regulations in 25 Pa. Code Sections 127.201 through 127.217 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

[Compliance with this permit condition assures compliance with the NO<sub>x</sub> limit of 4 parts per million, by volume, dry basis, corrected to 15% oxygen specified in 25 Pa. Code Section 129.112(g)(2)(iii)(A)]

(a) The emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P104 shall not exceed the following limitation:

(1) Nitrogen oxides (expressed as NO<sub>2</sub>): 2.0 ppm<sub>dv</sub>

(b) ppm<sub>dv</sub> = parts per million volume on a dry gas basis, corrected to 15 percent O<sub>2</sub>

(c) The above emission limit shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the LAER provisions of the New Source Review Regulation regulations in 25 Pa. Code Sections 127.201 through 127.217 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

[Compliance with this permit condition assures compliance with the VOC limit of 2 parts per million, by volume, dry basis, corrected to 15% oxygen specified in 25 Pa. Code Section 129.112(g)(2)(iii)(B)]

(a) The emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P104 shall not exceed the following limitation:

(1) Volatile organic compounds (expressed as propane): 1.0 ppm<sub>dv</sub> (without duct burner) and 1.5 ppm<sub>dv</sub> (with duct burner)

(b) ppm<sub>dv</sub> = parts per million volume on a dry gas basis, corrected to 15 percent O<sub>2</sub>

(c) The above emission limit shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The annual emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P104 (including startups and shutdowns) shall not exceed any of the following limitations in any 12 consecutive month period:

- (1) 86.8 tons of carbon monoxide
- (2) 100.7 tons of nitrogen oxides (expressed as NO<sub>2</sub>)
- (3) 13.4 tons of sulfur oxides (expressed as SO<sub>2</sub>)
- (4) 2.1 tons of sulfuric acid mist
- (5) 53.7 tons of total (filterable and condensable) particulate matter
- (6) 53.7 tons of PM<sub>10</sub>
- (7) 53.7 tons of PM<sub>2.5</sub>
- (8) 99.9 tons of ammonia
- (9) 30.1 tons of volatile organic compounds
- (10) 1,388,540 tons of greenhouse gases (expressed as CO<sub>2</sub>e)

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

[Compliance with the sulfur oxides emission limit in this condition assures compliance with the sulfur dioxide standard specified in 40 CFR Section 60.4330, and compliance with the particulate matter and sulfur oxides emissions limitations assures compliance with the limitations of 25 Pa. Code Chapter 123, relating to particulate matter emissions and sulfur compound emissions, respectively]

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

(a) Emissions from the operation of the combined-cycle combustion turbine unit incorporated into Source ID P104 shall not exceed the limits specified below:

- (1) Carbon monoxide: 2.0 ppm<sub>dv</sub>
- (2) Sulfur oxides (expressed as SO<sub>2</sub>): 0.0011 lb/MMBtu
- (3) Total (filterable and condensable) Particulate Matter: 0.0057 lb/MMBtu
- (4) Total PM<sub>10</sub>: 0.0057 lb/MMBtu
- (5) Total PM<sub>2.5</sub>: 0.0057 lb/MMBtu
- (6) H<sub>2</sub>SO<sub>4</sub>: 0.0005 lb/MMBtu

(b) ppm<sub>dv</sub> = parts per million volume on a dry gas basis, corrected to 15 percent O<sub>2</sub>

(c) The above emissions limits shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The emissions from the operation of the combined-cycle combustion turbine unit incorporated in Source P104 shall not exceed any of the following limitations:

- (1) Carbon monoxide: 15.0 pounds per hour
- (2) Nitrogen oxides: 24.7 pounds per hour
- (3) Ammonia: 22.8 pounds per hour
- (4) Sulfur dioxide: 3.3 pounds per hour
- (5) Sulfuric acid mist: 1.4 pounds per hour
- (6) Total (filterable and condensable) particulate matter: 12.8 pounds per hour
- (7) Total PM<sub>10</sub>: 12.8 pounds per hour

**SECTION D. Source Level Requirements**

- (8) Total PM<sub>2.5</sub>: 12.8 pounds per hour  
 (9) Volatile organic compounds (expressed as propane): 5.4 pounds per hour.
- (b) The above emissions limits shall apply at all times except for periods of startup and shutdown.

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

[Additional authority for this condition is from 25 Pa. Code Section 129.115(b)(1)]

- (b)(1) For the combined-cycle turbine, the permittee shall perform 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-operating day rolling average.
- (i) A 30-operating 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.
- (ii) Each 30-operating 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.

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

[Additional authority for this condition is from 25 Pa. Code Section 129.115(f) and (k)]

- (f) For the combined-cycle turbine, the permittee shall keep records to demonstrate compliance with §§ 129.111—129.114 and submit reports to the Department in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources)
- (1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111—129.114 are met.
- (2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.
- (3) The records necessary to determine compliance shall be reported to the Department on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.
- (k) The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a written request from the Department.

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

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

- (a) The permittee shall monitor and keep records of the amount of fuel used each month in the combined-cycle combustion turbine unit incorporated into Source ID P104 as well as the monthly heat input (MMBtu), power output (MW-hr) and hours of operation of the turbine to verify compliance with the input-based BACT and BAT efficiency limitation.



**SECTION D. Source Level Requirements**

(b) All information used to satisfy this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall keep accurate and comprehensive records of the nitrogen oxides, carbon monoxide, volatile organic compounds, greenhouse gasses, total hazardous air pollutants, sulfur oxides (SO<sub>2</sub>), sulfuric acid mist, total PM, total PM<sub>10</sub>, total PM<sub>2.5</sub>, formaldehyde, hexane, and toluene emissions including emissions calculations from the combined-cycle combustion turbine unit incorporated into Source ID P104, on a monthly basis, in order to demonstrate compliance with the emission limitations.

(b) All information used to satisfy this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit the records of the amount of fuel used each month in the combined-cycle combustion turbine unit incorporated into Source ID P104 as well as the monthly heat input (MMBtu), power output (MW-hr) and hours of operation of the turbine to verify compliance with the input-based BACT and BAT efficiency limitation.

(b) The semi-annual reports shall be submitted to the Department no later than March 1 (for January 1 through December 31 of the previous year) and September 1 (for July 1 of the previous year through June 30 of the concurrent year).

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

(a) The permittee shall submit semi-annual reports that include:

(1) the nitrogen oxides, carbon monoxide, volatile organic compound, greenhouse gas, total hazardous air pollutants, sulfur oxides (SO<sub>2</sub>), sulfuric acid mist, total PM, total PM<sub>10</sub>, total PM<sub>2.5</sub>, formaldehyde, hexane, and toluene emissions including emissions calculations from the combined-cycle combustion turbine unit incorporated into Source ID P104, on a monthly basis, in order to demonstrate compliance with the emission limitations.

(b) The semi-annual reports shall be submitted to the Department no later than March 1 (for January 1 through December 31 of the previous year) and September 1 (for July 1 of the previous year through June 30 of the concurrent year).

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

The submission of all requests, reports, applications, submittals and other communications required by this permit and federal regulations, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The Environmental Protection Agency copies may be sent to:

R3\_Air\_Apps\_and\_Notices@epa.gov

And

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

**SECTION D. Source Level Requirements**

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**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.**

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P104 is one 454 MW Siemens model SGT6-8000H natural-gas-fired combined-cycle combustion turbine unit where the combustion turbine unit consists of a 2980 MMBtu/hr (HHV) and 2685 MMBtu/hr (LHV) combustion turbine and heat recovery steam generator with 164 MMBtu/hr (HHV) and 148 MMBtu/hr (LHV) duct burner. The air contaminants are controlled by a selective catalytic reduction unit and an oxidation catalyst.

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

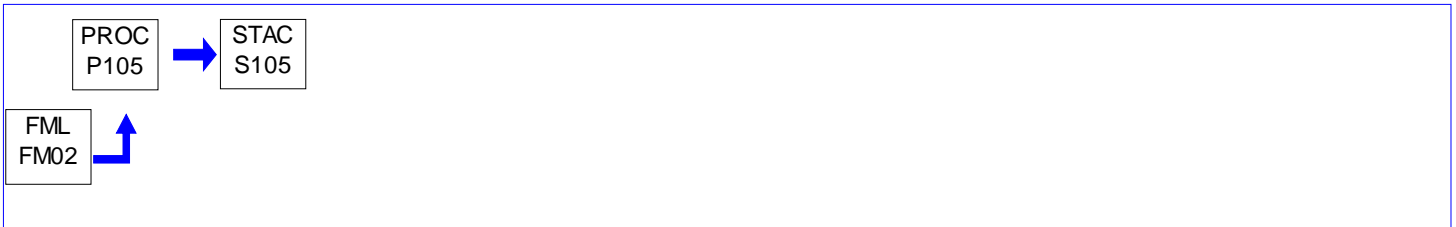
**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: EMERGENCY ENGINE-GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINE

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

[Compliance with this streamlined permit condition will assure compliance with the provisions of 25 Pa. Code §§ 123.13 and 123.21 and 40 CFR Sections 89.112 and 89.113]

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The air contaminant emissions from the exhaust of the engine-generator, Source ID P105, shall not exceed the following limitations:

- (1) Nitrogen Oxides (expressed as NO<sub>2</sub>) – 4.93 gm/bhp-hr, 16.3 lb/hr, 0.8 tpy;
- (2) Carbon Monoxide – 0.13 gm/bhp-hr, 0.43 lb/hr, 0.02 tpy;
- (3) Volatile Organic Compound (expressed as THC) – 0.01 gm/bhp-hr, 0.03 lb/hr, 0.01 tpy;
- (4) Particulate Matter less than 10 microns in diameter (PM-10) – 0.02 gm/bhp-hr, 0.07 lb/hr, 0.01 tpy;
- (5) PM-2.5 – 0.02 gm/bhp-hr, 0.07 lb/hr, 0.01 tpy;
- (6) Sulfur Oxides (expressed as SO<sub>2</sub>) – 0.005 gm/bhp-hr, 0.02 lb/hr, 0.01 tpy.

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

[Compliance with this streamlined permit condition will assure compliance with the provisions of 25 Pa. Code § 123.41]

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The visible emissions from the engine-generator, Source ID P105, shall not exceed 15% in any 3-minute period and 50% at any time.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co**

Pursuant to the requirements of 40 CFR § 60.4205(b) and 60.4211(c), the engine-generator, Source ID P105, shall be EPA-certified to meet the emissions standards that are specified in 40 CFR §§ 89.112 and 89.113 for the same model year and maximum engine power.

**Fuel Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall only use diesel fuel that is classified as ULTRA-LOW SULFUR NON-HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum) pursuant to 40 CFR Part 80 Subpart I, to operate the engine-generator (Source ID P105).

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Compliance with this streamlined permit condition will assure compliance with the provisions of 40 CFR § 60.4211(f)]

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The total operation of Source ID P105 shall not exceed 100 hours in any 12 consecutive month period.

(b) Additionally, the engine-generator, Source ID P105, shall not be used for peak shaving or to generate income by supplying power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The engine-generator, Source ID P105, shall be equipped with a non-resettable hour meter that accurately monitors the engine-generator's hours of operation.

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

(a) The permittee shall keep accurate and comprehensive records of the following information for the engine-generator (Source ID P105):

(1) the supporting information and calculations used to demonstrate that the emissions of particulate matter and sulfur oxides from the exhaust of the engine-generator comply with the requirements in 25 Pa. Code §§ 123.13 and 123.21, respectively and

(2) monthly emissions of nitrogen oxides, carbon monoxide, volatile organic compound, sulfur oxides (SO<sub>2</sub>), total PM, total PM<sub>10</sub> and total PM<sub>2.5</sub> to demonstrate compliance with the emission limitations.

(b) The information used to demonstrate compliance with this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall keep record of the fuel certification reports for each delivery of diesel fuel for the engine-generator (Source ID P105) to verify compliance with the fuel restriction requirements for the engine-generator.

(b) The information used to demonstrate compliance with this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is also derived from the provisions of 40 CFR § 60.4214(b)]

**SECTION D. Source Level Requirements**

- (a) The permittee shall record the following information on the engine-generator, Source ID P105, on a monthly basis:
- (1) hours that the engine-generator operated through the non-resettable hour meter
  - (2) the 12-consecutive month total hours of operation, including supporting documentation
  - (3) the time of operation of the engine-generator and the reason the engine-generator was in operation during that time
- (b) The information used to demonstrate compliance with this recordkeeping requirement shall be kept for a minimum of five (5) years 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) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

- (a) The permittee shall operate and maintain the engine-generator, Source ID P105, to achieve the emission standards specified in 40 CFR §§ 89.112 and 89.113 over the entire life of the engine.
- (b) Any testing used to verify compliance with this work practice restriction shall be performed in accordance with 40 CFR Part 64 Subpart III, including 40 CFR § 60.4212, and acceptable test methods and procedures to the Department.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The engine-generator, Source ID P105, shall be installed and configured according to the manufacturer's emission-related specifications.

**VII. ADDITIONAL REQUIREMENTS.**

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

[Compliance with this permit condition will assure compliance with the requirements of 40 CFR Part 63 Subpart ZZZZ]

The engine-generator, Source ID P105, is subject to the requirements in 40 CFR Part 60 Subpart III. The permittee shall comply with all applicable provisions specified 40 CFR §§ 60.4200 through 60.4219, including appendices.

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

Source ID P105 is a Caterpillar Model DM9933 1000 kW Generator that includes a 1502 brake-horsepower Caterpillar C32 TA, V-12, 4-stroke, water-cooled, diesel-fired reciprocating internal combustion engine (or equivalent as approved by the Department) used to supply emergency power to the site. The engine-generator shall include electronic fuel injection and a turbocharged aspiration system.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4210]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my compliance requirements if I am a stationary CI internal combustion engine manufacturer?**

The engine-generator, Source ID P105, shall meet the labeling requirements in § 60.4210(f).

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

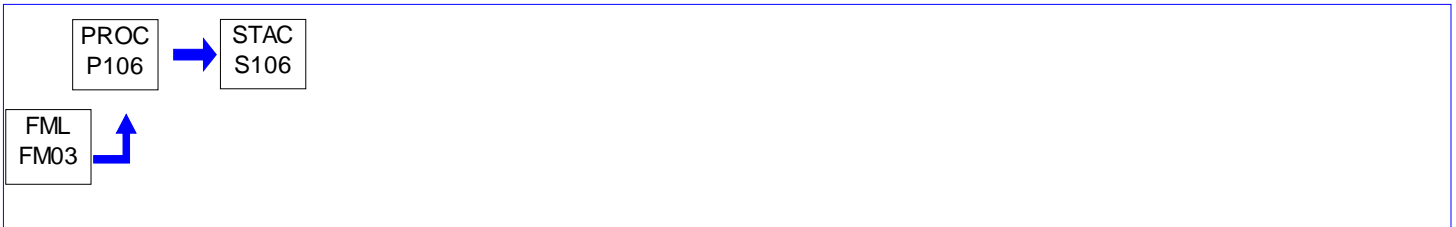
**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: FIRE ENGINE-PUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINE

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

[Compliance with this streamlined permit condition will assure compliance with the provisions of 25 Pa. Code §§ 123.13 and 123.21]

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The engine-pump, Source ID P106, shall be EPA certified to meet the following emissions standards:

- (1) Nitrogen Oxides (expressed as NO<sub>2</sub>) – 2.6 g/hp-hr, 2.6 lb/hr, 0.13 tpy;
- (2) Carbon Monoxide – 0.5 g/hp-hr, 0.51 lb/hr, 0.03 tpy;
- (3) Volatile Organic Compound (expressed as THC) – 0.10 g/hp-hr, 0.10 lb/hr, 0.01 tpy;
- (4) Particulate Matter less than 10 microns in diameter (PM-10) – 0.09 g/hp-hr, 0.09 lb/hr, 0.01 tpy;
- (5) PM-2.5 – 0.09 g/hp-hr, 0.09 lb/hr, 0.01 tpy;
- (6) Sulfur Oxides (expressed as SO<sub>2</sub>) – 0.005 g/hp-hr, 0.01 lb/hr, 0.01 tpy.

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

[Compliance with this streamlined permit condition will assure compliance with the provisions of 25 Pa. Code § 123.41]

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The visible emissions from the engine-pump, Source ID P106, shall not exceed 15% in any 3-minute period and 50% at any time.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co**

Pursuant to the requirements of 40 CFR § 60.4205(c) and 60.4211(c), the engine-pump, Source ID P106, shall be EPA-certified to meet the emissions standards that are specified in 40 CFR §§ 60.4205(c) for the same model year and maximum engine power.

**Fuel Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from the provisions of 40 CFR § 60.4207]

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall only use diesel fuel that is classified as ULTRA-LOW SULFUR NON-HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum) pursuant to 40 CFR Part 80 Subpart I, to operate the engine-pump (Source ID P106).

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The total operation of Source ID P106 shall not exceed 100 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall record the following information on the engine-pump, Source ID P106, on a monthly basis:

- (1) the hours that the engine-pump operated through the non-resettable hour meter;
- (2) the 12-consecutive month total hours of operation, including supporting documentation
- (3) the time of operation of the engine-pump and the reason the engine-pump was in operation during that time
- (4) monthly emissions of nitrogen oxides, carbon monoxide, volatile organic compound, sulfur oxides (SO<sub>2</sub>), total PM, total PM<sub>10</sub> and total PM<sub>2.5</sub> to demonstrate compliance with the emission limitations

(b) The information used to demonstrate compliance with this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall keep accurate and comprehensive records of the following information for the engine-pump (Source ID P106);

- (1) the supporting information and documentation used to demonstrate that the emissions from the exhaust of the engine-pump comply with the emissions limitations in this permit as well as the requirements in 25 Pa. Code §§ 123.13 and 123.21.

(b) The information used to demonstrate compliance with this recordkeeping requirement shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall keep record of the fuel certification reports for each delivery of diesel fuel for the engine-pump, Source ID P106, to verify compliance with the fuel restriction requirements for the engine-pump.

(b) The information used to demonstrate compliance with this permit condition shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate and maintain the engine-pump, Source ID P106, to achieve the emission standards in this permit over the entire life of the engine.

(b) Any testing used to verify compliance with this work practice restriction shall be performed in accordance with 40 CFR Part 64 Subpart III, including 40 CFR § 60.4212, and test methods and procedures acceptable to the Department.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The engine-pump, Source ID P106, shall be installed and configured according to the manufacturer's emission-related specifications.

**VII. ADDITIONAL REQUIREMENTS.**

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

[Compliance with this permit condition will assure compliance with the requirements of 40 CFR Part 63 Subpart ZZZZ]

(a) The engine-pump, Source ID P106, is subject to the requirements in 40 CFR Part 60 Subpart III. The permittee shall comply with all applicable provisions specified 40 CFR §§ 60.4200 through 60.4219, including appendices.

(b) Source ID P106 is a 460 brake-horsepower Clark Model JX6H-UFADF0 that includes a John Deere Co. In-Line, 4-stroke, water-cooled, diesel-fired reciprocating internal combustion engine used to power the fire suppression system at the facility.

(c) The engine-pump shall include electronic fuel injection and a turbocharged aspiration system.

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

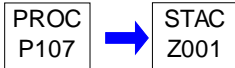


**SECTION D. Source Level Requirements**

Source ID: P107

Source Name: STORAGE TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall keep a record of the vapor pressure of the contents of each storage tank associated with Source ID P107 unless the respective tank is equipped with pressure relief valves that meets the requirement in this permit relating to pressure release settings.

(b) The information used to demonstrate compliance with this permit condition shall be kept for a minimum of five (5) years 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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Compliance with this streamlined permit condition assures compliance with the provisions of 25 Pa. Code § 129.57]

The permittee shall not store any liquid containing volatile organic compounds (VOC) with a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions in each storage tank associated with Source ID P107 unless each of the tanks are equipped with pressure relief valve which is maintained in good operating condition and which are set to release at no less than 0.7 psig of pressure or 0.3 psig of vacuum, or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

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

Source ID P107 consists of two (2) 15,000-gallon lube oil tanks and each tank services the lubing system associated with

**SECTION D. Source Level Requirements**

each of the electric generating units.

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

**SECTION E. Source Group Restrictions.**

Group Name: ENGINE

Group Description: Modeling Conditions for P105 and P106

Sources included in this group

ID	Name
P105	EMERGENCY ENGINE-GENERATOR
P106	FIRE ENGINE-PUMP

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

There shall be no simultaneous testing of the engine-generator (Source ID P105) and the engine-pump (Source ID P106) within the same hour.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Testing of the engine-generator (Source ID P105) or the engine-pump (Source ID P106) shall not occur during (within the same hour as) startup or shutdown of the combustion turbines.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The duration of each test of the engine-generator (Source ID P105) or the engine-pump (Source ID P106) shall not exceed 30 minutes or such other duration as dictated by utility practice or the manufacturer.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

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

(a) The permittee shall submit the monthly hours of operation for the engine-generator (Source ID P105) and the engine-pump (Source ID P106) in order to demonstrate compliance with the operational limitations on a semi-annual basis.

(b) The semi-annual reports shall be submitted to the Department no later than March 1 (for January 1 through December 31 of the previous year) and September 1 (for July 1 of the previous year through June 30 of the concurrent year).

**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).

**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: POWERBLOCKS

Group Description: Source Level Conditions for Powerblocks

Sources included in this group

ID	Name
P103	454 MW COMBUSTION TURBINE & DUCT BURNER
P104	454 MW COMBUSTION TURBINE & DUCT BURNER

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

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

The emission of visible air contaminants from the operation of each combined-cycle combustion turbine unit incorporated into Source IDs P103 and P104 shall not be in excess of 10% opacity for any 3-minute block and 10% opacity for any 6-minute block period during startup and shutdown.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) NH<sub>3</sub> slip emissions from the operation of each combined-cycle combustion turbine unit incorporated into Source IDs P103 and P104 shall not exceed 5 ppm<sub>dv</sub>.

(b) The Department will evaluate the actual NH<sub>3</sub> emissions rates and may revise the allowable emissions limitation specified above based upon demonstrated performance (CEMS data, stack tests results), and/or subsequently promulgated applicable requirements during the first five years of operation. Any revision of the allowable emissions limitation shall be accomplished after five years of operation through minor modification provided that the revised allowable emission limitation does not exceed levels at which the best available technology (BAT) was evaluated and is not a result of a physical change or change in method of operation at the facility.

(c) ppm<sub>dv</sub> = parts per million volume on a dry gas basis, corrected to 15 percent O<sub>2</sub>.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The operation of each Siemens combined-cycle combustion turbine unit incorporated into Source IDs P103 and P104 including startups and shutdowns shall not emit equal to or more than 6.50 tons of total hazardous air pollutants in any 12 consecutive month period.

(b) The Department will evaluate the actual total HAPs emissions rates and may revise the allowable emissions limitation specified above based upon demonstrated performance stack tests results, or current emissions data as approved by the Department, and/or subsequently promulgated applicable requirements during the first five years of operation. Any revision of the allowable emissions limitation shall be accomplished after five years of operation through minor modification provided that the revised allowable emission limitation is not a result of a physical change or change in method of operation at the facility.

**# 004 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO<sub>2</sub> Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR NOx Annual Trading Program****Standard requirements.**

(c) NO<sub>x</sub> emissions requirements—(1) CSAPR NO<sub>x</sub> 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 NO<sub>x</sub> Annual source and each CSAPR NO<sub>x</sub> Annual unit at the source shall hold, in the source's compliance account, CSAPR NO<sub>x</sub> Annual allowances available for

**SECTION E. Source Group Restrictions.**

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 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.

**SECTION E. Source Group Restrictions.**

(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:

(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.

**# 005 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]****Subpart BBBBBB - CSAPR NOX Ozone Season Group 1 Trading Program****Standard requirements.**

(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

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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 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



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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 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.

**# 006 [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.**

(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

(B) The amount by which total SO2 emissions from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in the

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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 SO<sub>2</sub> 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 SO<sub>2</sub> emissions from all CSAPR SO<sub>2</sub> Group 1 units at CSAPR SO<sub>2</sub> 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 SO<sub>2</sub> emissions exceed the sum, for such control period, of the State SO<sub>2</sub> 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 SO<sub>2</sub> emissions from all CSAPR SO<sub>2</sub> Group 1 units at CSAPR SO<sub>2</sub> 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 SO<sub>2</sub> emissions from the CSAPR SO<sub>2</sub> Group 1 units at CSAPR SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> Group 1 allowances held for compliance. (i) A CSAPR SO<sub>2</sub> 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 SO<sub>2</sub> Group 1 allowance that was allocated or auctioned for such control period or a control period in a prior year.

(ii) A CSAPR SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> Group 1 allowance is a limited authorization to emit one ton of SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> Group 1 allowance does not constitute a property right.

**SECTION E. Source Group Restrictions.****Fuel Restriction(s).****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

Each combined-cycle combustion turbine unit incorporated into Source IDs P103 and P104 shall be fired on only natural gas. The sulfur content of the natural gas shall not exceed 0.4 grains/100 scf.

**Operation Hours Restriction(s).****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The durations of startups and shutdowns shall be minimized to the extent practicable.

(b) Startup and shutdown shall be accomplished as follows:

i. Startup is identified as the period between the commencement of ignition and when the Siemens combined-cycle combustion turbine unit reaches 60 percent operating level, or the following emission limits are all met simultaneously: Nitrogen oxides (expressed as NO<sub>2</sub>) emissions are 2.0 ppmv or less, Carbon monoxide emissions are 2.0 ppmv or less, and the NH<sub>3</sub> slip emissions are 5 ppmv or less all corrected to 15 percent O<sub>2</sub>.

ii. Shutdown is identified as the period between the time that the Siemens combined-cycle combustion turbine unit drops below 60 percent operating level and the fuel is cut to the unit. Shutdowns shall not exceed 30 minutes in duration. Steady-state operation below 60 percent operating level when compliance with the following limits are all met simultaneously: Nitrogen oxides (expressed as NO<sub>2</sub>) emissions are 2.0 ppmv or less, Carbon monoxide emissions are 2.0 ppmv or less, and the NH<sub>3</sub> slip emissions are 5 ppmv or less all corrected to 15 percent O<sub>2</sub>, does not constitute shutdown.

iii. Cold start is identified as a restart occurring 72 hours or more after shutdown and shall not exceed 90 minutes in duration.

iv. Warm start is identified as a restart occurring between 12 hours to 72 hours after shutdown and shall not exceed 90 minutes in duration.

v. Hot start is identified as a restart occurring less than 12 hours after shutdown and shall not exceed 75 minutes duration.

(b) The permittee shall record the time, date and duration of each startup and shutdown as well as the reason for each startup and shutdown.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

The total hours of startups and shutdowns for each of the combined-cycle combustion turbine units incorporated into Source IDs P103 and P104 shall not exceed 500 hours in any 12 consecutive month period.

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

(a) Within five years of issuance of this permit and every five years after the date of the previous test, the permittee shall conduct EPA reference method testing on each combustion turbine unit (Source ID P103 and P104) for nitrogen oxides, carbon monoxide, ammonia slip, volatile organic compounds, sulfur oxides (SO<sub>2</sub>), sulfuric acid mist, total PM, total PM<sub>10</sub>, total PM<sub>2.5</sub>, formaldehyde, hexane, and toluene emissions.

(b) All testing shall be performed at maximum normal operating conditions that will demonstrate compliance with all

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emissions limitations specified in this permit.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4400]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How do I conduct the initial and subsequent performance tests, regarding NOX ?**

The permittee shall comply with the applicable testing requirements specified in 40 CFR Section 60.4400.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4405]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How do I perform the initial performance test if I have chosen to install a NOX-diluent CEMS?**

The permittee shall comply with the applicable testing requirements specified in 40 CFR Section 60.4405.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4415]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How do I conduct the initial and subsequent performance tests for sulfur?**

The permittee shall comply with the applicable testing requirements specified in 40 CFR Section 60.4415.

**III. MONITORING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The pressure differential across the oxidation catalyst incorporated into IDs C103A and C104A as well as the catalyst inlet and outlet temperatures shall be monitored and recorded on a continuous basis. Visual and audible alarms shall be utilized to indicate improper operation.

(b) The permittee shall continuously monitor the differential pressure across the oxidation catalysts incorporated into IDs C103A and C104A to verify that the differential pressure shall not be less than 0.17 nor greater than 0.95 inches of water. An alarm shall be triggered immediately if the differential pressure is outside any of the above limits (during steady-state operation).

(c) The permittee shall continuously monitor the catalyst inlet temperature for the oxidation catalysts incorporated into IDs C103A and C104A to verify that the temperature shall not be less than 500 degrees Fahrenheit nor greater than 850 degrees Fahrenheit. An alarm shall be triggered immediately if the inlet temperature is outside any of the above limits (during steady-state operation).

(d) The permittee shall continuously monitor the catalyst outlet temperature for the oxidation catalysts incorporated into IDs C103A and C104A to verify that the temperature shall not be less than 500 degrees Fahrenheit nor greater than 850 degrees Fahrenheit. An alarm shall be triggered immediately if the inlet temperature is outside any of the above limits (during steady-state operation).

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

(a) The permittee shall maintain and operate certified continuous emission monitoring systems (CEMS) for nitrogen oxides, carbon monoxide, carbon dioxide, and ammonia emissions on the exhaust of each combined-cycle combustion turbine unit incorporated into Source IDs P103 and P104 in accordance with all applicable requirements specified in 25 Pa. Code Chapter 139 and the Department's "Continuous Source Monitoring Manual."

(b) The permittee shall comply with all applicable requirements specified in 40 CFR Section 98.43 and 40 CFR Section 75.13.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The pressure differential across the selective catalytic reduction catalysts incorporated into IDs C103 and C104 as well

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as the catalyst inlet and outlet temperatures shall be monitored and recorded on a continuous basis. Visual and audible alarms shall be utilized to indicate improper operation.

(b) The permittee shall continuously monitor the differential pressure across the selective catalytic reduction catalysts incorporated into IDs C103 and C104 to verify that the differential pressure shall not be less than 0.36 nor greater than 4.08 inches of water. An alarm shall be triggered immediately if the differential pressure is outside any of the above limits (during steady-state operation).

(c) The permittee shall continuously monitor the catalyst inlet temperature for the selective catalytic reduction catalysts incorporated into IDs C103 and C104 to verify that the temperature shall not be less than 500 degrees Fahrenheit nor greater than 800 degrees Fahrenheit. An alarm shall be triggered immediately if the inlet temperature is outside any of the above limits (during steady-state operation).

(d) The permittee shall continuously monitor the catalyst outlet temperature for the selective catalytic reduction catalysts incorporated into IDs C103 and C104 to verify that the temperature shall not be less than 500 degrees Fahrenheit nor greater than 800 degrees Fahrenheit. An alarm shall be triggered immediately if the inlet temperature is outside any of the above limits (during steady-state operation).

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

The pre-control and post-control nitrogen oxides (expressed as NO<sub>2</sub>) emissions from Source IDs P103 and P104 shall be monitored and recorded by the feed-forward process control loop to ensure maximum control efficiency and minimum ammonia slip. Visual and audible alarms shall be utilized to indicate improper operation.

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

A monitoring system shall be in each stack to monitor and record percent oxygen levels to ensure maximum combustion efficiency.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The permittee shall monitor and record the pressure differential across the inlet air filters for Source IDs P103 and P104 on a weekly basis to ensure proper filter operation and efficiency.

(b) The permittee shall monitor the differential pressure across the inlet air filters for Source IDs P103 and P104 to verify that the differential pressure shall not be less than 0.10 nor greater than 6.20 inches of water.

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

[Additional authority for this permit condition is also derived from the provisions specified in 40 CFR Section 60.4365]

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

(a) The permittee shall use one of the following sources of information to monitor for SO<sub>2</sub> emissions from the combustion turbines and heat recovery steam generators incorporated into Source IDs P103 and P104.

(1) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for natural gas use in continental areas is 0.4 grains of sulfur or less per 100 standard cubic feet and has potential sulfur emissions of less than 0.0011 lb SO<sub>2</sub>/MMBtu heat input; or

(2) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 0.0011 lb SO<sub>2</sub>/MMBtu heat input. At a minimum, the amount of fuel sampling data specified in 40 CFR 75 section 2.3.1.4 or 2.3.2.4 of appendix D is required.

**SECTION E. Source Group Restrictions.****# 021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4340]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How do I demonstrate continuous compliance for NOX if I do not use water or steam injection?**

The permittee shall comply with all applicable monitoring requirements specified in 40 CFR Sections 60.4340.

**# 022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4345]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****What are the requirements for the continuous emission monitoring system equipment, if I choose to use this option?**

The permittee shall comply with all applicable monitoring requirements specified in 40 CFR Section 60.4345.

**# 023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4350]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How do I use data from the continuous emission monitoring equipment to identify excess emissions?**

The permittee shall comply with all applicable monitoring requirements specified in 40 CFR Section 60.4350.

**# 024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4360]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How do I determine the total sulfur content of the turbine's combustion fuel?**

The permittee shall comply with all applicable SO2 monitoring requirements specified in 40 CFR Section 60.4360.

**# 025 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4370]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How often must I determine the sulfur content of the fuel?**

The permittee shall comply with all applicable SO2 monitoring requirements specified in 40 CFR Section 60.4370.

**# 026 [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.**

(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.

**# 027 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]****Subpart BBBB - CSAPR NOX Ozone Season Group 1 Trading Program****Standard requirements.**

(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.

**# 028 [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**

**SECTION E. Source Group Restrictions.****Standard requirements.**

(b) Emissions monitoring, reporting, and recordkeeping requirements. (1) The owners and operators, and the designated representative, of each CSAPR SO<sub>2</sub> Group 1 source and each CSAPR SO<sub>2</sub> 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 SO<sub>2</sub> Group 1 allowances under §§97.611(a)(2) and (b) and 97.612 and to determine compliance with the CSAPR SO<sub>2</sub> 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.

**IV. RECORDKEEPING REQUIREMENTS.****# 029 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO<sub>2</sub> Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR NOX Annual Trading Program****Standard requirements.**

(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.

**# 030 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO<sub>2</sub> Trading Programs §40 CFR 97.506]****Subpart BBBBB - CSAPR NOX Ozone Season Group 1 Trading Program****Standard requirements.**

(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.



**SECTION E. Source Group Restrictions.****# 031 [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.**

(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.

**V. REPORTING REQUIREMENTS.****# 032 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4375]  
Subpart KKKK - Standards of Performance for Stationary Combustion Turbines  
What reports must I submit?**

The permittee shall comply with the applicable reporting requirements specified in 40 CFR Sections 60.4375.

**# 033 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4380]  
Subpart KKKK - Standards of Performance for Stationary Combustion Turbines  
How are excess emissions and monitor downtime defined for NOX ?**

The permittee shall comply with the applicable reporting requirements specified in 40 CFR Sections 60.4380.

**# 034 [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.**

(e) (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.

**# 035 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBB - CSAPR NOX Ozone Season Group 1 Trading Program  
Standard requirements.**

(e) (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.

**# 036 [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.**

(e) (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.

**# 037 [40 CFR Part 98 Mandatory Greenhouse Gas Reporting §40 CFR 98.1]  
Subpart A - General Provision**



**SECTION E. Source Group Restrictions.****Purpose and scope.**

- (a) The permittee shall comply with the applicable Mandatory GHG Reporting requirements of 40 CFR Part 98.
- (b) The facility shall comply with the requirements in 40 CFR Part 98 Subpart D, (40 CFR §§ 98.40 through 98.48).

**VI. WORK PRACTICE REQUIREMENTS.****# 038 [25 Pa. Code §127.205]****Special permit requirements.**

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the LAER provisions of the New Source Review Regulation regulations in 25 Pa. Code Sections 127.201 through 127.217 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

Each combustion turbine associated with Source IDs P103 and P104 shall be equipped with dry-low-NOx (DLN) combustors.

**# 039 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

High efficiency inlet air filters shall be used in the air inlet section of each combined-cycle combustion turbine unit incorporated into Source IDs P103 and P104.

**# 040 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

The permittee shall operate and maintain the stationary combustion turbine, heat recovery steam generator, duct burners and air pollution control equipment associated with Source IDs P103 and P104, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.1 and 127.12]

All air-contaminant sources and control devices shall be maintained and operated in a manner consistent with good air pollution control practices and in accordance with the manufacturers' recommendations and maintenance plan.

**# 042 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 and the LAER provisions of the New Source Review Regulation regulations in 25 Pa. Code Sections 127.201 through 127.217 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

Each combustion turbine unit associated with Source IDs P103 and P104 shall be equipped with dry-low-NOx (DLN) combustors, SCR technology, Oxidation Catalyst technology and fired only on natural gas that meet the specifications of this permit.

**# 043 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from the BACT and PSD provisions in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83 as well as the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12]

The heat input for each of the combined-cycle turbines incorporated in Source ID P103, and P104 shall not exceed 6735 Btu/kW-hr (lower heating value), without duct burner firing. In order to demonstrate compliance the Permittee shall calculate the average net heat rate on an hourly basis consistent with equation F-20 and procedures provided in 40 CFR Part 75, Appendix F, § 5.5.2 and the results shall be corrected to ISO conditions (59 degrees F, 14.7 psia, and 67% humidity).

**SECTION E. Source Group Restrictions.****# 044 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4333]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****What are my general requirements for complying with this subpart?**

[Additional authority for this condition is derived from 40 CFR Section 60.4333(a)]

The permittee shall operate and maintain the stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.

**VII. ADDITIONAL REQUIREMENTS.****# 045 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Department will evaluate the actual emission rates and may revise the allowable emission limitations based upon demonstrated performance (CEMS data, stack tests results), and/or subsequently promulgated applicable requirements during the first five years of operation. Any revision of the allowable emission limitations shall be accomplished after five years of operation by minor modification provided that the revised allowable emission limitations do not exceed levels at which the lowest achievable emission rate (LAER), best available control technology (BACT) and best available technology (BAT) were evaluated, do not exceed the level at which the facility impacts were modeled, and that are not a result of a physical change or change in method of operation at the facility.

**# 046 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4300]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****What is the purpose of this subpart?**

The combustion turbines, heat recovery steam generators and duct burners associated with each combined-cycle combustion turbine unit that are incorporated into Source IDs P103 and P104 shall comply with all applicable requirements of Subpart KKKK of the Standards of Performance for New Stationary Sources, 40 CFR 60.4300 through 60.4420 (Standards of Performance for Stationary Combustion Turbines).

**# 047 [40 CFR Part 72 Regulations on Permits §40 CFR 72.1]****Subpart A--Acid Rain Program General Provisions****Purpose and scope.**

The permittee shall comply with the Title IV Acid Rain Program 40 CFR Parts 72-78.

**# 048 [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.**

(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.

**# 049 [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.

**SECTION E. Source Group Restrictions.****# 050 [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.**

(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.

**# 051 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBB - 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.

**# 052 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBB - CSAPR NOx Ozone Season Group 1 Trading Program****Standard requirements.**

(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.

**# 053 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBB - CSAPR NOx Ozone Season Group 1 Trading Program****Standard requirements.**

(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.

**SECTION E. Source Group Restrictions.****# 054 [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.

**# 055 [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.**

(d) Title V permit requirements. (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.

**# 056 [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.**

(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.

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



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.



**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



**SECTION H. Miscellaneous.**

The following air contaminant sources are considered to the Department to be insignificant with regards to air contaminant emissions and are determined to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulations, including all applicable regulations specified in 25 Pa. Code Chapters 121-145:

Fire-pump Ultra-Low Sulfur Diesel Day Tank (550 gallons)

Ultra-Low Sulfur Diesel Tank (1600 gallons)

Ammonia storage tank (15,000 gallons)

The Lubing System for each of the Electric Generating Units

The Air Coolers for each of the Electric Generating Units

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Revision No. 1 issued on July 18, 2019, was an administrative amendment which revised the Responsible Official and Permit Contact Person.

Revision No. 2 issued on December 16, 2020, was an administrative amendment which revised the corporate name and facility name.

Revision No. 3 issued on August 27, 2021, was an administrative amendment that revised the Responsible Official and Permit Contact Person.



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

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