



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: December 7, 2023 Effective Date: December 22, 2023
Expiration Date: December 7, 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.

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: 11-00536

Federal Tax Id - Plant Code: 47-1490882-1

Owner Information

Name: CPV FAIRVIEW LLC
Mailing Address: 2862 WILLIAM PENN AVE
JOHNSTOWN, PA 15909-3628

Plant Information

Plant: CPV FAIRVIEW LLC/FAIRVIEW ENERGY CTR
Location: 11 Cambria County 11941 Jackson Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: FARANGMEHER GHADIALI
Title: SENIOR MGR, PLANT OPS
Phone: (914) 253 - 5523 Email: fghadiali@osakagasusa.com

Permit Contact Person

Name: SHAWN SIMMERS
Title: COMPLIANCE MANAGER
Phone: (814) 207 - 0538 Email: ssimmers@cpvfairview.com

[Signature]
MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION



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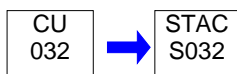
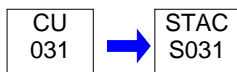
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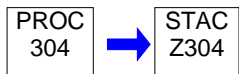
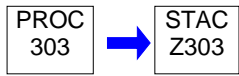
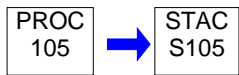
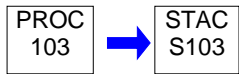
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Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	92.4 MMBTU/HR NATURAL GAS FIRED AUXILIARY BOILER	92.400	MMBTU/HR	
		90,588.000	CF/HR	Natural Gas
032	12.8 MMBTU/HR DEW POINT HEATER	12.800	MMBTU/HR	
		12,549.000	CF/HR	Natural Gas
101A	EGU #1 DUCT BURNER	425.000	MMBTU/HR	
		417.000	MCF/HR	Natural Gas
102A	EGU #2 DUCT BURNER	425.000	MMBTU/HR	
		417.000	MCF/HR	Natural Gas
101	GENERAL ELECTRIC, 7HA.02, EGU #1 COMBUSTION TURBINE	3,338.000	MMBTU/HR	
		3,273.000	MCF/HR	Natural Gas
102	GENERAL ELECTRIC, 7HA.02, EGU #2 COMBUSTION TURBINE	3,338.000	MMBTU/HR	
		3,273.000	MCF/HR	Natural Gas
103	EMERGENCY GENERATOR ENGINE (PLANT)	104.000	Gal/HR	ULSD
105	EMERGENCY FIRE PUMP ENGINE	16.000	Gal/HR	ULSD
301	COOLING TOWER	12.500	M Gal/HR	WATER
303	CIRCUIT BREAKERS	0.003	Lbs/HR	SF6
304	NATURAL GAS PIPING COMPONENTS	0.212	CF/HR	
C101A	EGU #1 OXIDATION CATALYST			
C101B	EGU #1 SCR			
C101C	EGU #1 HRSG			
C102A	EGU #2 OXIDATION CATALYST			
C102B	EGU #2 SCR			
C102C	EGU #2 HRSG			
C301	COOLING TOWER DRIFT ELIMINATOR			
S031	AUXILIARY BOILER STACK			
S032	12.8 MMBTU/HR DEW POINT HEATER STACK			
S101	EGU #1 STACK			
S102	EGU #2 STACK			
S103	EMERGENCY GENERATOR STACK (PLANT)			
S105	EMERGENCY FIRE PUMP ENGINE STACK			
Z301	COOLING TOWER (FUGITIVES)			
Z303	CIRCUIT BREAKER (FUGITIVES)			
Z304	NATURAL GAS PIPING COMPONENTS (FUGITIVES)			

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 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.

**SECTION B. General Title V Requirements****#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]****Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]**Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or 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

**SECTION B. General Title V Requirements**

by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

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

R3_Air_Apps_and_Notices@epa.gov

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

#014 [25 Pa. Code § 127.541]**Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 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

**SECTION B. General Title V Requirements**

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.

(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:

**SECTION B. General Title V Requirements**

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

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

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

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

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

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

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

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

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emission increases).

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

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

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

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

**SECTION B. General Title V Requirements****#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]****Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

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

(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.

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

#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

**SECTION B. General Title V Requirements**

interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

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

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

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

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

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

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

(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.

**SECTION B. General Title V Requirements****#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 §121.7]****Prohibition of air pollution.**

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

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

The permittee may not permit the emission into the outdoor atmosphere of a fugitive air contaminant contrary to 25 Pa. Code §123.1.

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

Pursuant to 25 Pa. Code §123.1(a), no person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

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

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

The specified visible emissions limitations shall not apply to a visible emission in any of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from sources specified in 25 Pa. Code §123.1(a).

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

Pursuant to 25 Pa. Code §123.31(b), the permittee may not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source, in such a manner that the malodors are detectable outside the permittee's property.

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

The permittee shall not allow the emission into the outdoor atmosphere of visible air contaminants from any source at the facility in such a manner that opacity thereof is any of the following:

- (a) Equal to or greater than 10% for a period or periods aggregating more than 3 minutes in any 1 hour.
- (b) Equal to or greater than 10% for a period or periods aggregating more than 6 minutes during startup or shutdown.
- (c) Equal to or greater than 30% at any time.

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

The emissions of the following pollutants from all sources and associated air cleaning devices installed and operated under this authorization, including emissions associated with periods of startup and shutdown, shall not exceed any of the following

**SECTION C. Site Level Requirements**

on a 12-month rolling sum basis:

- (a) Nitrogen Oxides (NOx): 221.4 tpy
- (b) Carbon Monoxide (CO): 155.2 tpy
- (c) Sulfur Oxides (SOx): 32.3 tpy
- (d) Volatile Organic Compounds (VOC): 64.7 tpy
- (e) Particulate Matter (PM): 120.8 tpy
- (f) Particulate Matter with an aerodynamic diameter less than 10 microns (PM10): 120.8 tpy
- (g) Particulate Matter with an aerodynamic diameter less than 2.5 microns (PM2.5): 119.2 tpy
- (h) Sulfuric Acid Mist (H₂SO₄): 19.7 tpy
- (i) Ammonia (NH₃): 124.9
- (j) Formaldehyde: 7.12 tpy
- (k) Total HAPs: 16.58
- (l) Greenhouse Gases, expressed as Carbon Dioxide Equivalent (CO₂e): 3,658,550 tpy

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

Visible emissions must be measured using either of the following:

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

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

Performance testing shall be conducted as follows [25 Pa. Code §127.441 and §139.11]:

- (a) The permittee shall submit a pre-test protocol electronically to the Department for review at least 90 days prior to the performance of any EPA reference method stack test or portable analyzer test. The permittee may repeat portable analyzer testing without additional protocol approvals provided that the same method and equipment are used. All proposed performance test methods shall be identified in the pre-test protocol and approved by the Department prior to testing.
- (b) The Permittee shall notify the Regional Air Quality Manager at least 15 days prior to any performance test so that an observer may be present at the time of the test. 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) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.
- (d) Pursuant to 25 Pa. Code Section 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 non-compliance 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) All submittals shall be sent electronically to ra-epstacktesting@pa.gov, with CC: to ra-epsstacktesting@pa.gov.

**SECTION C. Site Level Requirements**

(h) The permittee shall ensure 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.

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

All logs and required records shall be maintained either on site, electronically, or at an alternative location acceptable to the Department, for a minimum of five years and shall be made available to the Department upon request.

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

The permittee shall maintain the following comprehensive and accurate records:

- (a) Facility-wide emissions on a 12-month rolling basis for NO_x, CO, SO_x, VOC, PM, PM₁₀, PM_{2.5}, H₂SO₄, NH₃, individual and total HAPs, and CO_{2e}.
- (b) Amount and type of fuel used by each combustion unit, engine, and turbine on a 12-month rolling basis.
- (c) Hours of operation of each source on a 12-month rolling basis.
- (d) Facility-wide inspections which identify the date, time, name, and title of the observer, along with any corrective action taken.
- (e) Copies of the manufacturer's recommended maintenance schedule for each air source and air cleaning device.
- (f) All maintenance and adjustments performed on each source and air cleaning device which may directly or indirectly affect air emissions.
- (g) Copies of the current, valid purchase contract(s), tariff sheet, or transportation contract obtained from the from each fuel supplier which identify the sulfur content of the fuel and the methods by which the sulfur content was determined.
- (h) Monthly sulfur content of natural gas and ethane blend as determined by monthly grab sample and laboratory analysis using ASTM D5504 (or equivalent test method).
- (i) Amount of sulfur hexafluoride (SF₆) dielectric added to each circuit breaker unit on a monthly basis.
- (j) The date and time that each alarm associated with the circuit breaker is activated, the corrective action taken to remedy the problem associated with each alarm, and the date the corrective action remedied the problem.
- (k) Monthly SO₂, H₂SO₄, PM, PM₁₀, and PM_{2.5} emissions factors.

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

The annual emission report shall include all emissions information for all previously reported sources and new sources which were first operated during the preceding calendar year. Emissions data including, but not limited to the following, shall be reported: carbon monoxide (CO), oxides of nitrogen (NO_x), particulate matter (PM), particulate matter less than 10 micrometers in diameter (PM₁₀), particulate matter less than 2.5 micrometers in diameter (PM_{2.5}), sulfur dioxide (SO₂), volatile organic compounds (VOC), speciated hazardous air pollutants emitted in annual quantities in excess of 0.1 tons, total hazardous air pollutants (HAP), sulfuric acid mist (H₂SO₄), ammonia (NH₃), and greenhouse gases expressed as CO_{2e}. The statement shall also contain a certification by a company officer or the plant manager that the information contained in the statement is accurate

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

Malfunction reporting shall be conducted as follows:

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

**SECTION C. Site Level Requirements**

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

(c) All other malfunctions that must be reported under subsection (a) shall be reported to the Department no later than the next business day.

(d) The report shall describe the:

- (1) Name and location of the facility;
- (2) Nature and cause of the malfunction or breakdown;
- (3) Time when the malfunction or breakdown was first observed;
- (4) Expected duration of excess emissions; and
- (5) Estimated rate of emissions.

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

PA DEP
Office of Air Quality
400 Waterfront Drive
Pittsburgh, PA 15222-4745
412-442-4000

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

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

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

In accordance with 40 CFR §60.4, copies of all requests, reports, applications, submittals and other communications provided pursuant to 40 CFR Part 60 Subparts Dc, IIII, KKKK, and TTTT shall be forwarded to both EPA and the Department at the addresses listed below unless otherwise noted.

PA DEP
Air Quality Program
400 Waterfront Drive
Pittsburgh, PA 15222-4745

Director - Air Protection Section
Mail Code 3AP00
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19101-2029

015 [25 Pa. Code §135.3]**Reporting**

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

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

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

**SECTION C. Site Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall conduct a facility-wide inspection for the presence of any visible stack emissions, fugitive emissions, and any potentially objectionable odors at the property line at a minimum of once each operating day, during daylight hours, and while the sources are operating. If visible stack emissions or fugitive emissions are observed and contrary to the applicable conditions of this authorization, or potentially objectionable odors are observed, the permittee shall take appropriate action to eliminate such emissions. Records of each inspection shall be maintained in a log and, at the minimum, identify the date, time, name and title of the observer, along with any corrective action taken.

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

The permittee shall construct, operate, and maintain all air contamination sources and air cleaning devices authorized under this Title V Operating Permit in accordance with the manufacturer's specifications and recommended maintenance schedules. Additionally, the permittee may not cause or permit the operation of an air contamination source or air cleaning device in a manner inconsistent with good operating practices.

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

A person responsible for any source specified in 25 Pa. Code §123.1(a)(1-7 or 9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions 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.

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

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

B. Unless otherwise required by this authorization, the permittee shall comply with applicable monitoring, quality assurance, recordkeeping and reporting requirements of the Air Pollution Control Act, 25 Pa. Code Article III (relating to air resources), including Chapter 139 (relating to sampling and testing). The permittee shall also comply with applicable requirements related to monitoring, quality assurance, reporting and recordkeeping required by the Clean Air Act and regulations thereunder including applicable monitoring requirements of 40 CFR Part 60 Subparts A and KKKK, 40 CFR Part 75, as applicable.

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

The permittee shall comply with all applicable requirements of New Source Performance Standards under 40 CFR Part 60 Subparts Dc, III, KKKK, and TTTT, and National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 Subpart ZZZZ.

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

The permittee shall comply with all applicable requirements under 40 CFR Part 68 related to the Chemical Accident Prevention Provisions.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall comply with the applicable requirements of the Cross-State Air Pollution Rule (CSAPR) codified in 40 CFR Part 97 Subparts AAAAA-DDDDD, as applicable, by the compliance dates therein specified.

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

The permittee shall comply with all applicable requirements under 40 CFR Part 98 related to the Mandatory Greenhouse Gas Reporting Rule.

024 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall comply with all applicable requirements under 40 CFR Parts 72-78 related to the Acid Rain Program and submit a complete Acid Rain permit application at least 24 months prior to commencing operation per 40 CFR §72.30(b)(2)(ii).

025 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this operating permit may be in excess of the limitations specified in, or established pursuant to the permittee's operating permit, the permittee may be required to conduct emissions testing in accordance with the test methods and procedures deemed necessary by the Department to determine actual emissions rate(s). Such testing shall be conducted in accordance with the 25 Pa. Code Chapter 139, the most current version of the Department's Source Testing Manual, the provisions 40 CFR Parts 60 and 63, where applicable, and in accordance with any restrictions or limitations established by the Department at such time that notification of testing is provided.

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

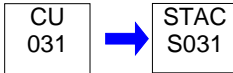
Source Name: 92.4 MMBTU/HR NATURAL GAS FIRED AUXILIARY BOILER

Source Capacity/Throughput: 92.400 MMBTU/HR

90,588.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: AUXILIARY BOILER

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

The emissions from the auxiliary boiler (Source ID 031) shall not exceed the following:

Pollutant	Emission Rate	Compliance Method
(a) NO _x	0.011 lb/MMBtu (9 ppm @ 3% O ₂)	1.02 lb/hr Avg. of three (3) 1-hour test runs
(b) CO	0.037 lb/MMBtu	3.42 lb/hr Avg. of three (3) 1-hour test runs
(c) VOC	0.004 lb/MMBtu	0.37 lb/hr Avg. of three (3) 1-hour test runs
(d) Total PM	0.007 lb/MMBtu	0.65 lb/hr U.S. EPA Reference Methods 201/201A or equivalent and Method 202.
(e) Total PM ₁₀	0.007 lb/MMBtu	0.65 lb/hr U.S. EPA Reference Methods 201/201A or equivalent and Method 202.
(f) Total PM _{2.5}	0.007 lb/MMBtu	0.65 lb/hr U.S. EPA Reference Methods 201/201A or equivalent and Method 202.
(g) H ₂ SO ₄	0.0011 lb/MMBtu	0.10 lb/hr Avg. of three (3) 1-hour test runs
(h) SO ₂	0.009 lb/MMBtu	0.83 lb/hr Avg. of three (3) 1-hour test runs

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

The emissions from the auxiliary boiler shall not exceed the following on a 12-month rolling basis:

- (a) NO_x: 2.03 tpy
- (b) CO: 6.84 tpy
- (c) VOC: 0.74 tpy
- (d) Total PM: 1.29 tpy
- (e) Total PM₁₀: 1.29 tpy
- (f) Total PM_{2.5}: 1.29 tpy
- (g) H₂SO₄: 0.20 tpy
- (h) SO₂: 1.66 tpy

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

Operation of the auxiliary boiler shall not exceed 4,000 in any continuous 12-month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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



SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

<p># 004 [25 Pa. Code §127.441] Operating permit terms and conditions. The auxiliary boiler shall be equipped with ultra-low NOx burners and flue gas recirculation (FGR).</p>
<p># 005 [25 Pa. Code §127.441] Operating permit terms and conditions. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart Dc.</p>

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

**SECTION D. Source Level Requirements**

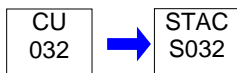
Source ID: 032

Source Name: 12.8 MMBTU/HR DEW POINT HEATER

Source Capacity/Throughput: 12.800 MMBTU/HR

12,549.000 CF/HR

Natural Gas

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The emissions from dew point heater 1 (Source ID 032) shall not exceed the following:

(a) NO_x: 0.011 lb/MMBtu (9 ppm @ 3% O₂) and 0.14 lb/hr.

(b) CO: 0.08 lb/MMBtu and 1.02 lb/hr

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

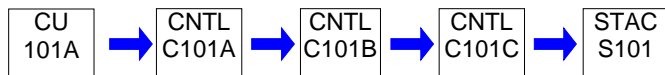
**SECTION D. Source Level Requirements**

Source ID: 101A

Source Name: EGU #1 DUCT BURNER

Source Capacity/Throughput: 425.000 MMBTU/HR

417.000 MCF/HR Natural Gas

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

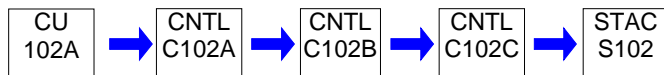
**SECTION D. Source Level Requirements**

Source ID: 102A

Source Name: EGU #2 DUCT BURNER

Source Capacity/Throughput: 425.000 MMBTU/HR

417.000 MCF/HR Natural Gas

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

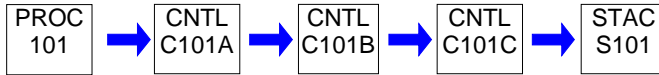
Source ID: 101

Source Name: GENERAL ELECTRIC, 7HA.02, EGU #1 COMBUSTION TURBINE

Source Capacity/Throughput: 3,338.000 MMBTU/HR

3,273.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: CEMS
COMBUSTION TURBINES SUBPART KKKK
COMBUSTION TURBINES SUBPART TTTT
EGUS

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

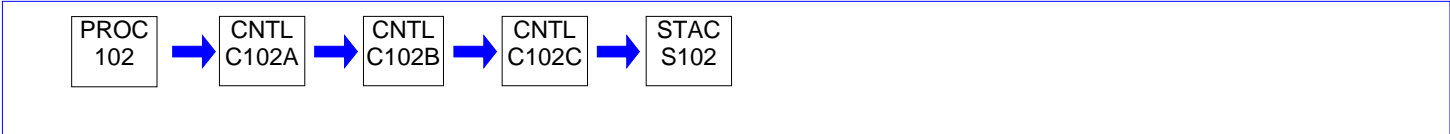
***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 102 Source Name: GENERAL ELECTRIC, 7HA.02, EGU #2 COMBUSTION TURBINE
 Source Capacity/Throughput: 3,338.000 MMBTU/HR
 3,273.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: CEMS
 COMBUSTION TURBINES SUBPART KKKK
 COMBUSTION TURBINES SUBPART TTTT
 EGUS



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

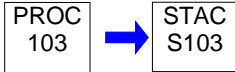
**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: EMERGENCY GENERATOR ENGINE (PLANT)

Source Capacity/Throughput: 104.000 Gal/HR ULSD

Conditions for this source occur in the following groups: EMERGENCY DIESEL ENGINES SUBPART IIII
EMERGENCY GENERATOR ENGINES

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

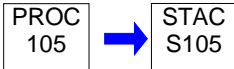
**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: EMERGENCY FIRE PUMP ENGINE

Source Capacity/Throughput: 16.000 Gal/HR ULSD

Conditions for this source occur in the following groups: EMERGENCY DIESEL ENGINES SUBPART IIII

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The emissions from the emergency fire pump engine shall not exceed the following:

- (a) NOx: 3.00 g/bhp-hr
- (b) CO: 2.61 g/bhp-hr
- (c) Total PM: 0.15 g/bhp-hr

Compliance with the applicable requirements of 40 CFR §60.4211 in Condition 9 of Section E Group Name: EMERGENCY DIESEL ENGINES SUBPART IIII assures compliance with the NOX, CO, and PM limitations above.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Sulfur content of the diesel fuel combusted by the fire pump engine shall not exceed 15 ppm.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of the emergency fire pump engine shall not exceed 100 hours on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following:

- (a) Fuel certification reports for each delivery of fuel to verify compliance with the fuel sulfur requirements.
- (b) Date, time, and duration of any emergency engine testing on a 12-month rolling basis.

**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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Testing of emergency engines shall not occur during any hour in which the combustion turbines are or were in startup or shutdown mode.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart IIII.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee meets the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart IIII.

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

**SECTION D. Source Level Requirements**

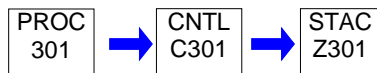
Source ID: 301

Source Name: COOLING TOWER

Source Capacity/Throughput:

12.500 M Gal/HR

WATER

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

The emissions from the cooling tower shall not exceed the following:

- (a) Total PM: 0.8 lb/hr or 3.4 tpy on a 12-month rolling basis.
- (b) Total PM10: 0.8 lb/hr or 3.4 tpy on a 12-month rolling basis.
- (c) Total PM2.5: 0.4 lb/hr or 1.8 tpy on a 12-month rolling basis.

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

The permittee shall sample, analyze, and record the circulating water TDS content on a monthly basis using USGS I-1750-85, ASTM D5907-03, or other equivalent test method as approved by the Department.

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

The permittee shall continuously monitor and record the circulating water and make up water flow rates on a 24-hour average.

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

The permittee shall maintain the following comprehensive and accurate records:

- (a) Monthly circulating water TDS content.
- (b) Daily circulating water and make up water flow rates.
- (c) PM, PM10, and PM2.5 emissions on a 12-month rolling basis based upon the measured parameters.

V. REPORTING REQUIREMENTS.

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

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

Total dissolved solids (TDS) of the cooling tower water shall not exceed 1,500 ppm.

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

The permittee shall install and maintain drift eliminators with a manufacturer's guaranteed drift rate of less than 0.0005% of the circulating water flow rate.



SECTION D. Source Level Requirements

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

**SECTION D. Source Level Requirements**

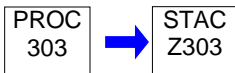
Source ID: 303

Source Name: CIRCUIT BREAKERS

Source Capacity/Throughput:

0.003 Lbs/HR

SF6

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

The permittee shall implement a sulfur hexafluoride (SF6) leak detection program to minimize circuit breaker SF6 leaks as follows:

(a) Circuit breakers are to be state-of-the-art sealed enclosed-pressure circuit breakers equipped with leak detection equipment that:

- (1) Alerts the operator when 10% of the SF6 by weight has escaped from any breaker.
- (2) Alerts the operator when a leak exceeds 5,000 ppm SF6.

(b) When alarms are triggered, the operator shall take corrective action as soon as practicable to repair the circuit breaker units to a like-new state to minimize emissions of SF6 to the maximum extent possible.

(c) Leaks shall be repaired no later than fifteen (15) calendar days after the leak is detected.

VII. ADDITIONAL REQUIREMENTS.

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



SECTION D. Source Level Requirements

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

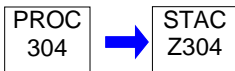
**SECTION D. Source Level Requirements**

Source ID: 304

Source Name: NATURAL GAS PIPING COMPONENTS

Source Capacity/Throughput:

0.212 CF/HR

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

The permittee shall implement a methane (CH₄) leak detection and repair program which includes audible, visual, and olfactory ("AVO") inspections conducted on a monthly basis on the natural gas and ethane blend piping components. Records of each inspection shall be maintained in a log and, at a minimum, identify the date, time, name and title of the observer, along with any corrective action taken. Leaks shall be repaired as expeditiously as practicable, but no later than fifteen (15) calendar days after the leak is detected.

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: AUXILIARY BOILER
 Group Description: 40 CFR Part 60 Subpart Dc

Sources included in this group:

ID	Name
031	92.4 MMBTU/HR NATURAL GAS FIRED AUXILIARY BOILER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]
 Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
 Applicability and delegation of authority.**

(a) Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).

(b) – (i) [Not applicable.]

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.41c]
 Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
 Definitions.**

Natural gas means:

- (1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or
- (2) Liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835 (incorporated by reference, see §60.17); or
- (3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 34 and 43 megajoules (MJ) per

**SECTION E. Source Group Restrictions.**

dry standard cubic meter (910 and 1,150 Btu per dry standard cubic foot).

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.**

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(2) [Not applicable.]

(3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(b) – (f) [Not applicable.]

(g) (1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO₂ standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) [Not applicable.]

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

(j) The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

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

**SECTION E. Source Group Restrictions.**

Group Name: CEMS
 Group Description: EGU CEMS

Sources included in this group:

ID	Name
101	GENERAL ELECTRIC, 7HA.02, EGU #1 COMBUSTION TURBINE
102	GENERAL ELECTRIC, 7HA.02, EGU #2 COMBUSTION TURBINE
C101A	EGU #1 OXIDATION CATALYST
C101B	EGU #1 SCR
C102A	EGU #2 OXIDATION CATALYST
C102B	EGU #2 SCR

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.****A. Initial Application (Phase I)**

A Proposal containing information as listed in the Phase I section of the Department's Continuous Source Monitoring Manual for each CEMS must be submitted at least 180 days prior to the initial startup date of each combustion turbine.

B. Performance Testing (Phase II)

Testing as listed in the Phase II section of the Department's Continuous Source Monitoring Manual must be completed for the CEMS no later than 180 days after initial startup date of each combustion turbine and no later than 60 days after each combustion turbine achieves normal process capacity.

C. Final Approval (Phase III)

The final report of testing as listed in the Phase III section of the Department's Continuous Source Monitoring Manual must be submitted no later than 60 days after completion of testing. An operating permit will not be issued until each CEMS has received Phase III approval, in writing from the Department. Until Phase III is granted by the Department, operation shall be covered solely by condition of a plan approval.

D. Each Phase I, Phase II, and Phase III submittal must be provided to the Department through CEMDPS*Online.

E. The owner or operator of the source shall not be issued an operating permit until the CEMS has received Phase III approval, in writing from the Department, when installation of a CEMS is made a condition of the plan approval. Until Phase III Department approval is obtained, operation shall be covered solely under condition of a plan approval.

F. Extension of any Phase deadline may be granted only with appropriate justification and written Department approval.

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.****Continuous Emission Monitoring Requirements**

The following continuous emission monitoring systems (CEMS) must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001), and 40 CFR Part 60 Subparts A and KKKK, and 40 CFR Part 75, as applicable.

1. CEMS #1

**SECTION E. Source Group Restrictions.**

- a. Source combination to be monitored: Source ID 101 and Source ID 102 (Combustion Turbines)
- b. Parameter to be reported: NO_x (Applicable emissions standards are 2 ppmvd for natural gas/ethane blend)
- c. Units of measurement to be reported: ppmvd
- d. Moisture basis of measurement to be reported: Dry
- e. Correction basis of measurements to be reported: 15% O₂.
- f. Data substitution required: Yes. 40 CFR Part 60 Subpart KKKK and/or 40 CFR Part 75, as applicable.
- g. Emission Standards:

- (1) Emission Standard #1

- (a) Emission Standard Averaging Period Description: 1-hour average, block.
- (b) Emission Standard Value: Variable
- (c) Emission Standard Direction: Violation if greater than emission standard value.
- (d) Variable Emission Standard: Fuel (natural gas/ethane blend) and source operational mode (normal).
- (e) Emission Standard And/Or Status: N/A

- (2) Emission Standard #2

- (a) Emission Standard Averaging Period Description: 30 operating day operating hour average.
- (b) Emission Standard Value: Variable
- (c) Emission Standard Direction: N/A
- (d) Variable Emission Standard: N/A
- (e) Emission Standard And/Or Status: N/A

2. CEMS #2

- a. Source combination to be monitored: Source ID 101 and Source ID 102 (Combustion Turbines)
- b. Parameter to be reported: NO_x (Applicable emissions standards are 140.73 lb/hr for startup/shutdown and 26.63 lb/hr for natural gas/ethane blend)
- c. Units of measurement to be reported: lb/hr
- d. Moisture basis of measurement to be reported: Dry
- e. Correction basis of measurements to be reported: 15% O₂.
- f. Data substitution required: Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001).
- g. Emission Standards:

- (1) Emission Standard #1

- (a) Emission Standard Averaging Period Description: 1-hour average
- (b) Emission Standard Value: Variable
- (c) Emission Standard Direction: Violation if greater than emission standard value.
- (d) Variable Emission Standard: Yes: Fuel (natural gas/ethane blend) and source operational mode (normal or startup/shutdown).
- (e) Emission Standard And/Or Status: N/A

- (2) Emission Standard #2

- (a) Emission Standard Averaging Period Description: 1-year sum
- (b) Emission Standard Value: 217.5 tpy
- (c) Emission Standard Direction: Violation if greater than emission standard value.
- (d) Variable Emission Standard: N/A
- (e) Emission Standard And/Or Status: N/A

3. CEMS #3

- a. Source combination to be monitored: Source ID 101 and Source ID 102 (Combustion Turbines)
- b. Parameter to be reported: CO
- c. Units of measurement to be reported: ppmvd
- d. Moisture basis of measurement to be reported: Dry
- e. Correction basis of measurements to be reported: 15% O₂.
- f. Data substitution required: Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001).
- g. Emission Standards:

**SECTION E. Source Group Restrictions.**

(1) Emission Standard #1

- (a) Emission Standard Averaging Period Description: 1-hour average, block.
- (b) Emission Standard Value: 2.0 ppmvd
- (c) Emission Standard Direction: Violation if greater than emission standard value.
- (d) Variable Emission Standard: Yes: Source operational mode (normal)
- (e) Emission Standard And/Or Status: N/A

4. CEMS #4

- a. Source combination to be monitored: Source ID 101 and Source ID 102 (Combustion Turbines)
- b. Parameter to be reported: CO
- c. Units of measurement to be reported: lb/hr
- d. Moisture basis of measurement to be reported: Dry
- e. Correction basis of measurements to be reported: 15% O₂
- f. Data substitution required: Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001).

g. Emission Standards:

(1) Emission Standard #1

- (a) Emission Standard Averaging Period Description: 1-hour average
- (b) Emission Standard Value: Variable
- (c) Emission Standard Direction: N/A
- (d) Variable Emission Standard: N/A
- (e) Emission Standard And/Or Status: N/A

(2) Emission Standard #2

- (a) Emission Standard Averaging Period Description: 1-year sum
- (b) Emission Standard Value: 143.2 tpy
- (c) Emission Standard Direction: N/A
- (d) Variable Emission Standard: N/A
- (e) Emission Standard And/Or Status: N/A

5. CEMS #5

- a. Source combination to be monitored: Source ID 101 and Source ID 102 (Combustion Turbines)
- b. Parameter to be reported: O₂
- c. Units of measurement to be reported: %
- d. Moisture basis of measurement to be reported: Dry
- e. Correction basis of measurements to be reported: N/A
- f. Data substitution required: Continuous Source Monitoring Manual and/or 40 CFR Part 75, as applicable.
- g. Emission Standards: N/A

(1) Emission Standard #1

- (a) Emission Standard Averaging Period Description: 1-hour average, block.
- (b) Emission Standard Value: N/A
- (c) Emission Standard Direction: N/A
- (d) Variable Emission Standard: No
- (e) Emission Standard And/Or Status: N/A

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

[Authority for this condition is derived from 25 Pa. Code §127.12b, 40 CFR Part 60 Subparts A and KKKK, 40 CFR Part 75 Subpart F, and 25 Pa. Code §§139.101(5) and 139.101(12)]

**SECTION E. Source Group Restrictions.**

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), the "Record Keeping and Reporting" requirements in Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001), and the recordkeeping requirements established in 40 CFR §§60.7 and 60.13, 40 CFR Part 60 Subpart KKKK, and Part 75 Subpart F, as applicable.

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

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

[Authority for this condition is derived from 25 Pa. Code §127.12b, 40 CFR Part 60 Subparts A and KKKK, 40 CFR Part 75 Subpart G, and 25 Pa. Code §§139.101(1) and 139.101(10)]

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), the "Record Keeping and Reporting" requirements as established in Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001), and the reporting requirements established 40 CFR §§60.13 and 60.19, 40 CFR Part 60 Subpart KKKK, and Part 75 Subpart G, as applicable.

- A. The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.
- B. Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.
- C. Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.
- D. Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this authorization, unless approved in advance by the Department in writing.

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

[Authority for this condition is derived from 25 Pa. Code §127.12b, 40 CFR Part 60 Subparts A and KKKK, 40 CFR Part 75, 25 Pa. Code §§ 139.101(1)(iv), 139.101(2), 139.101(3), 139.101(4), 139.101(6), 139.101(7), 139.101(8), 139.101(12), 139.101(14) and 139.101(15)]

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 40 CFR Part 60 Subparts A and KKKK, 40 CFR Part 75, and 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in Revision No.8 of the Department's Continuous Source Monitoring Manual (274-0300-001).

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

**SECTION E. Source Group Restrictions.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Data Availability Standards

1. CEMS #1, CEMS #2, CEMS #3, CEMS #4 and CEMS #5

a. Data Availability Standard

(1) In accordance with 25 Pa. Code Section 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit or an order issued under Section 4 of the Air Pollution Control Act:

(i) In each calendar month, at least 90% of the time periods for which an emission standard or an operational parameter applies, shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001).

(ii) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001).

(2) For purposes of calculating data availability, "process down" time, as specified in Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001), shall be considered valid time.

(3) Emission Standard(s) To Which Data Availability Standard applies:

- (i) NO_x: ppmvd, lb/hr
- (ii) CO: ppmvd, lb/hr

(4) Each 3-hour block average subject to an emissions standard shall be comprised of three 1-hour averages of normal source operation. Emissions occurring during exempt periods of operation (including startup, shutdown, and malfunction) are to be excluded from such 3-hour averages but must be included when calculating 1-year sum tons per year emissions.

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

**SECTION E. Source Group Restrictions.**

Group Name: COMBUSTION TURBINES SUBPART KKKK

Group Description: 40 CFR Part 60 Subpart KKKK

Sources included in this group:

ID	Name
101	GENERAL ELECTRIC, 7HA.02, EGU #1 COMBUSTION TURBINE
102	GENERAL ELECTRIC, 7HA.02, EGU #2 COMBUSTION TURBINE
C101A	EGU #1 OXIDATION CATALYST
C101B	EGU #1 SCR
C102A	EGU #2 OXIDATION CATALYST
C102B	EGU #2 SCR

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4320]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****What emission limits must I meet for nitrogen oxides (NOX)?**

(a) You must meet the emission limits for NOX specified in Table 1 to this subpart [15 ppm @ 15% O₂ or 54 nanograms per joule (ng/J) of useful output (0.43 lb/MWh) when firing natural gas OR 42 ppm at 15 percent O₂ or 160 ng/J of useful output (1.3 lb/MWh) when firing ethane blend].

(b) If you have two or more turbines that are connected to a single generator, each turbine must meet the emission limits for NOX.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4330]**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****What emission limits must I meet for sulfur dioxide (SO₂)?**

(a) If your turbine is located in a continental area, you must comply with either paragraph (a)(1), (a)(2), or (a)(3) of this section. If your turbine is located in Alaska, you do not have to comply with the requirements in paragraph (a) of this section until January 1, 2008.

(1) You must not cause to be discharged into the atmosphere from the subject stationary combustion turbine any gases which contain SO₂ in excess of 110 nanograms per Joule (ng/J) (0.90 pounds per megawatt-hour (lb/MWh)) gross output;

(2) You must not burn in the subject stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input. If your turbine simultaneously fires multiple fuels, each fuel must meet this requirement; or

(3) N/A

(b) N/A

II. TESTING REQUIREMENTS.**# 003 [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?**

You must monitor the total sulfur content of the fuel being fired in the turbine, except as provided in §60.4365. The sulfur content of the fuel must be determined using total sulfur methods described in §60.4415. Alternatively, if the total sulfur content of the gaseous fuel during the most recent performance test was less than half the applicable limit, ASTM D4084, D4810, D5504, or D6228, or Gas Processors Association Standard 2377 (all of which are incorporated by reference, see §60.17), which measure the major sulfur compounds, may be used.

III. MONITORING REQUIREMENTS.**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4335]****Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How do I demonstrate compliance for NOX if I use water or steam injection?**

**SECTION E. Source Group Restrictions.**

(a) If you are using water or steam injection to control NO_x emissions, you must install, calibrate, maintain and operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water or steam to fuel being fired in the turbine when burning a fuel that requires water or steam injection for compliance.

(b) Alternatively, you may use continuous emission monitoring, as follows:

(1) Install, certify, maintain, and operate a continuous emission monitoring system (CEMS) consisting of a NO_x monitor and a diluent gas (oxygen (O₂) or carbon dioxide (CO₂)) monitor, to determine the hourly NO_x emission rate in parts per million (ppm) or pounds per million British thermal units (lb/MMBtu); and

(2) For units complying with the output-based standard, install, calibrate, maintain, and operate a fuel flow meter (or flow meters) to continuously measure the heat input to the affected unit; and

(3) For units complying with the output-based standard, install, calibrate, maintain, and operate a watt meter (or meters) to continuously measure the gross electrical output of the unit in megawatt-hours; and

(4) N/A

005 [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 NO_x if I do not use water or steam injection?**

(a) If you are not using water or steam injection to control NO_x emissions, you must perform annual performance tests in accordance with §60.4400 to demonstrate continuous compliance. If the NO_x emission result from the performance test is less than or equal to 75 percent of the NO_x emission limit for the turbine, you may reduce the frequency of subsequent performance tests to once every 2 years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceed 75 percent of the NO_x emission limit for the turbine, you must resume annual performance tests.

(b) As an alternative, you may install, calibrate, maintain and operate one of the following continuous monitoring systems:

(1) Continuous emission monitoring as described in §§60.4335(b) and 60.4345, or

(2) N/A

006 [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?**

(a) Each NO_x diluent CEMS must be installed and certified according to Performance Specification 2 (PS 2) in appendix B to this part, except the 7-day calibration drift is based on unit operating days, not calendar days. With state approval, Procedure 1 in appendix F to this part is not required. Alternatively, a NO_x diluent CEMS that is installed and certified according to appendix A of part 75 of this chapter is acceptable for use under this subpart. The relative accuracy test audit (RATA) of the CEMS shall be performed on a lb/MMBtu basis.

(b) As specified in §60.13(e)(2), during each full unit operating hour, both the NO_x monitor and the diluent monitor must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour, to validate the hour. For partial unit operating hours, at least one valid data point must be obtained with each monitor for each quadrant of the hour in which the unit operates. For unit operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required for each monitor to validate the NO_x emission rate for the hour.

(c) Each fuel flowmeter shall be installed, calibrated, maintained, and operated according to the manufacturer's instructions. Alternatively, with state approval, fuel flowmeters that meet the installation, certification, and quality assurance requirements of appendix D to part 75 of this chapter are acceptable for use under this subpart.

(d) Each watt meter, steam flow meter, and each pressure or temperature measurement device shall be installed, calibrated, maintained, and operated according to manufacturer's instructions.

(e) The owner or operator shall develop and keep on-site a quality assurance (QA) plan for all of the continuous monitoring equipment described in paragraphs (a), (c), and (d) of this section. For the CEMS and fuel flow meters, the owner or operator may, with state approval, satisfy the requirements of this paragraph by implementing the QA program and plan described in section 1 of appendix B to part 75 of this chapter.

**SECTION E. Source Group Restrictions.****# 007 [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?**

(a) All CEMS data must be reduced to hourly averages as specified in §60.13(h).

(b) For each unit operating hour in which a valid hourly average, as described in §60.4345(b), is obtained for both NO_x and diluent monitors, the data acquisition and handling system must calculate and record the hourly NO_x emission rate in units of ppm or lb/MMBtu, using the appropriate equation from method 19 in appendix A of this part. For any hour in which the hourly average O₂ concentration exceeds 19.0 percent O₂ (or the hourly average CO₂ concentration is less than 1.0 percent CO₂), a diluent cap value of 19.0 percent O₂ or 1.0 percent CO₂ (as applicable) may be used in the emission calculations.

(c) [Not applicable.]

(d) If you have installed and certified a NO_x diluent CEMS to meet the requirements of part 75 of this chapter, states can approve that only quality assured data from the CEMS shall be used to identify excess emissions under this subpart. Periods where the missing data substitution procedures in subpart D of part 75 are applied are to be reported as monitor downtime in the excess emissions and monitoring performance report required under §60.7(c).

(e) All required fuel flow rate, steam flow rate, temperature, pressure, and megawatt data must be reduced to hourly averages.

(f) Calculate the hourly average NO_x emission rates, in units of the emission standards under §60.4320, using either ppm for units complying with the concentration limit or the following equation for units complying with the output based standard:

(1) N/A [Not simple-cycle]

(2) For combined-cycle and combined heat and power complying with the output-based standard, use Equation 1 of this subpart, except that the gross energy output is calculated as the sum of the total electrical and mechanical energy generated by the combustion turbine, the additional electrical or mechanical energy (if any) generated by the steam turbine following the heat recovery steam generator, and 100 percent of the total useful thermal energy output that is not used to generate additional electricity or mechanical output, expressed in equivalent MW.

(3) N/A

(g) N/A

(h) For combined cycle and combined heat and power units with heat recovery, use the calculated hourly average emission rates from paragraph (f) of this section to assess excess emissions on a 30 unit operating day rolling average basis, as described in §60.4380(b)(1).

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4365]**Subpart KKKK - Standards of Performance for Stationary Combustion Turbines****How can I be exempted from monitoring the total sulfur content of the fuel?**

You may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input for units located in continental areas and 180 ng SO₂/J (0.42 lb SO₂/MMBtu) heat input for units located in noncontinental areas or a continental area that the Administrator determines does not have access to natural gas and that the removal of sulfur compounds would cause more environmental harm than benefit. You must use one of the following sources of information to make the required demonstration:

(a) 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 oil use in continental areas is 0.05 weight percent (500 ppmw) or less and 0.4 weight percent (4,000 ppmw) or less for noncontinental areas, the total sulfur content for natural gas use in continental areas is 20 grains of sulfur or less per 100 standard cubic feet and 140 grains of sulfur or less per 100 standard cubic feet for noncontinental areas, has potential sulfur emissions of less than less than 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input for continental areas and has potential sulfur emissions of less than less than 180 ng SO₂/J (0.42 lb SO₂/MMBtu) heat input for noncontinental areas; or

(b) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input for continental areas or 180 ng SO₂/J (0.42 lb SO₂/MMBtu) heat input for noncontinental areas. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

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

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

V. REPORTING REQUIREMENTS.**# 009 [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?**

- (a) For each affected unit required to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content under this subpart, you must submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.
- (b) For each affected unit that performs annual performance tests in accordance with §60.4340(a), you must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

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.**# 010 [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?**

- (a) You must operate and maintain your 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.
- (b) When an affected unit with heat recovery utilizes a common steam header with one or more combustion turbines, the owner or operator shall either:
- (1) Determine compliance with the applicable NO_x emissions limits by measuring the emissions combined with the emissions from the other unit(s) utilizing the common heat recovery unit; or
 - (2) Develop, demonstrate, and provide information satisfactory to the Administrator on methods for apportioning the combined gross energy output from the heat recovery unit for each of the affected combustion turbines. The Administrator may approve such demonstrated substitute methods for apportioning the combined gross energy output measured at the steam turbine whenever the demonstration ensures accurate estimation of emissions related under this part.

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

**SECTION E. Source Group Restrictions.**

Group Name: COMBUSTION TURBINES SUBPART TTTT

Group Description: 40 CFR Part 60 Subpart TTTT

Sources included in this group:

ID	Name
101	GENERAL ELECTRIC, 7HA.02, EGU #1 COMBUSTION TURBINE
102	GENERAL ELECTRIC, 7HA.02, EGU #2 COMBUSTION TURBINE
C101A	EGU #1 OXIDATION CATALYST
C101B	EGU #1 SCR
C102A	EGU #2 OXIDATION CATALYST
C102B	EGU #2 SCR

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5520]****Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
What CO₂ emission standard must I meet?**

(a) For each affected EGU subject to this subpart, you must not discharge from the affected EGU any gases that contain CO₂ in excess of the applicable CO₂ emission standard specified in table 1 or 2 of this subpart, consistent with paragraphs (b), (c), and (d) of this section, as applicable.

Table 2 of Subpart TTTT of Part 60—CO₂ Emission Standards for Affected Stationary Combustion Turbines That Commenced Construction After January 8, 2014 and Reconstruction After June 18, 2014 (Net Energy Output-Based Standards Applicable as Approved by the Administrator)

[Note: Numerical values of 1,000 or greater have a minimum of 3 significant figures and numerical values of less than 1,000 have a minimum of 2 significant figures]

Affected EGU

Newly constructed or reconstructed stationary combustion turbine that supplies its design efficiency or 50 percent, whichever is less, times its potential electric output or less as net-electric sales on either a 12-operating month or a 3-year rolling average basis and combusts more than 90% natural gas on a heat input basis on a 12-operating-month rolling average basis.

CO₂ Emission standard

50 kg CO₂ per gigajoule (GJ) of heat input (120 lb CO₂/MMBtu).

Affected EGU

Newly constructed and reconstructed stationary combustion turbine that combusts 90% or less natural gas on a heat input basis on a 12-operating-month rolling average basis.

CO₂ Emission standard

50 kg CO₂/GJ of heat input (120 lb/MMBtu) to 69 kg CO₂/GJ of heat input (160 lb/MMBtu) as determined by the procedures in §60.5525.

(b) Except as specified in paragraphs (c) and (d) of this section, you must comply with the applicable gross energy output standard, and your operating permit must include monitoring, recordkeeping, and reporting methodologies based on the applicable gross energy output standard. For the remainder of this subpart (for sources that do not qualify under paragraphs (c) and (d) of this section), where the term "gross or net energy output" is used, the term that applies to you is "gross energy output."

(c) As an alternate to meeting the requirements in paragraph (b) of this section, an owner or operator of a stationary combustion turbine may petition the Administrator in writing to comply with the alternate applicable net energy output standard. If the Administrator grants the petition, beginning on the date the Administrator grants the petition, the affected EGU must comply with the applicable net energy output-based standard included in this subpart. Your operating permit must include monitoring, recordkeeping, and reporting methodologies based on the applicable net energy output standard. For the remainder of this subpart, where the term "gross or net energy output" is used, the term that applies to you is "net energy output." Owners or operators complying with the net output-based standard must petition the Administrator to switch back to

**SECTION E. Source Group Restrictions.**

complying with the gross energy output-based standard.

(d) Stationary combustion turbines subject to a heat input-based standard in table 2 of this subpart that are only permitted to burn one or more uniform fuels, as described in paragraph (d)(1) of this section, are only subject to the monitoring requirements in paragraph (d)(1). All other stationary combustion turbines subject to a heat input based standard in table 2 are subject to the requirements in paragraph (d)(2) of this section.

(1) Stationary combustion turbines that are only permitted to burn fuels with a consistent chemical composition (i.e., uniform fuels) that result in a consistent emission rate of 160 lb CO₂/MMBtu or less are not subject to any monitoring or reporting requirements under this subpart. These fuels include, but are not limited to, natural gas, methane, butane, butylene, ethane, ethylene, propane, naphtha, propylene, jet fuel kerosene, No. 1 fuel oil, No. 2 fuel oil, and biodiesel. Stationary combustion turbines qualifying under this paragraph are only required to maintain purchase records for permitted fuels.

(2) [Not applicable.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5535]
Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
How do I monitor and collect data to demonstrate compliance?**

(a) Combustion turbines qualifying under §60.5520(d)(1) are not subject to any requirements in this section other than the requirement to maintain fuel purchase records for permitted fuel(s).

IV. RECORDKEEPING REQUIREMENTS.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5560]
Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
What records must I maintain?**

(a) You must maintain records of the information you used to demonstrate compliance with this subpart as specified in §60.7(b) and (f).

(b) (1) For affected EGUs subject to the Acid Rain Program, you must follow the applicable recordkeeping requirements and maintain records as required under subpart F of part 75 of this chapter.

(2) [Not applicable.]

(c) - (g) [Not applicable.]

V. REPORTING REQUIREMENTS.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5550]
Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
What notifications must I submit and when?**

(a) You must prepare and submit the notifications specified in §§60.7(a)(1) and (3) and 60.19, as applicable to your affected EGU(s) (see table 3 of this subpart).

(b) You must prepare and submit notifications specified in §75.61 of this chapter, as applicable, to your affected EGUs.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5555]
Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
What reports must I submit and when?**

(a) You must prepare and submit reports according to paragraphs (a) through (d) of this section, as applicable.

(1) - (3) [Not applicable.]

(b) [Not applicable.]

**SECTION E. Source Group Restrictions.**

(c) (1) For affected EGUs under this subpart that are also subject to the Acid Rain Program, you must meet all applicable reporting requirements and submit reports as required under subpart G of part 75 of this chapter.

(2) For affected EGUs under this subpart that are not in the Acid Rain Program, you must also meet the reporting requirements and submit reports as required under subpart G of part 75 of this chapter, to the extent that those requirements and reports provide applicable data for the compliance demonstrations required under this subpart.

(3) (i) For all newly-constructed affected EGUs under this subpart that are also subject to the Acid Rain Program, you must begin submitting the quarterly electronic emissions reports described in paragraph (c)(1) of this section in accordance with §75.64(a) of this chapter, i.e., beginning with data recorded on and after the earlier of:

(A) The date of provisional certification, as defined in §75.20(a)(3) of this chapter; or

(B) 180 days after the date on which the EGU commences commercial operation (as defined in §72.2 of this chapter).

(ii) [Not applicable.]

(iii) [Not applicable.]

(4) If any required monitoring system has not been provisionally certified by the applicable date on which emissions data reporting is required to begin under paragraph (c)(3) of this section, the maximum (or in some cases, minimum) potential value for the parameter measured by the monitoring system shall be reported until the required certification testing is successfully completed, in accordance with §75.4(j) of this chapter, §75.37(b) of this chapter, or section 2.4 of appendix D to part 75 of this chapter (as applicable). Operating hours in which CO₂ mass emission rates are calculated using maximum potential values are not "valid operating hours" (as defined in §60.5540(a)(1)), and shall not be used in the compliance determinations under §60.5540.

(d) For affected EGUs subject to the Acid Rain Program, the reports required under paragraphs (a) and (c)(1) of this section shall be submitted by:

(1) The person appointed as the Designated Representative (DR) under §72.20 of this chapter; or

(2) The person appointed as the Alternate Designated Representative (ADR) under §72.22 of this chapter; or

(3) A person (or persons) authorized by the DR or ADR under §72.26 of this chapter to make the required submissions.

(e) [Not applicable.]

(f) [Not applicable.]

(g) [Not applicable.]

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 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5509]
Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
Am I subject to this subpart?**

(a) Except as provided for in paragraph (b) of this section, the GHG standards included in this subpart apply to any steam generating unit, IGCC, or stationary combustion turbine that commenced construction after January 8, 2014 or commenced reconstruction after June 18, 2014 that meets the relevant applicability conditions in paragraphs (a)(1) and (2) of this section. The GHG standards included in this subpart also apply to any steam generating unit or IGCC that commenced modification after June 18, 2014 that meets the relevant applicability conditions in paragraphs (a)(1) and (2) of this section.

(1) Has a base load rating greater than 260 GJ/h (250 MMBtu/h) of fossil fuel (either alone or in combination with any other fuel); and

**SECTION E. Source Group Restrictions.**

(2) Serves a generator or generators capable of selling greater than 25 MW of electricity to a utility power distribution system.

(b) [Not applicable.]

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5515]
Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
Which pollutants are regulated by this subpart?**

(a) The pollutants regulated by this subpart are greenhouse gases. The greenhouse gas standard in this subpart is in the form of a limitation on emission of carbon dioxide.

(b) PSD and title V thresholds for greenhouse gases.

(1) For the purposes of 40 CFR 51.166(b)(49)(ii), with respect to GHG emissions from affected facilities, the "pollutant that is subject to the standard promulgated under section 111 of the Act" shall be considered to be the pollutant that otherwise is subject to regulation under the Act as defined in §51.166(b)(48) of this chapter and in any SIP approved by the EPA that is interpreted to incorporate, or specifically incorporates, §51.166(b)(48).

(2) For the purposes of 40 CFR 52.21(b)(50)(ii), with respect to GHG emissions from affected facilities, the "pollutant that is subject to the standard promulgated under section 111 of the Act" shall be considered to be the pollutant that otherwise is subject to regulation under the Act as defined in §52.21(b)(49) of this chapter.

(3) For the purposes of 40 CFR 70.2, with respect to greenhouse gas emissions from affected facilities, the "pollutant that is subject to any standard promulgated under section 111 of the Act" shall be considered to be the pollutant that otherwise is "subject to regulation" as defined in 40 CFR 70.2.

(4) For the purposes of 40 CFR 71.2, with respect to greenhouse gas emissions from affected facilities, the "pollutant that is subject to any standard promulgated under section 111 of the Act" shall be considered to be the pollutant that otherwise is "subject to regulation" as defined in 40 CFR 71.2.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5525]
Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units
What are my general requirements for complying with this subpart?**

Combustion turbines qualifying under §60.5520(d)(1) are not subject to any requirements in this section other than the requirement to maintain fuel purchase records for permitted fuel(s).

*** Permit Shield in Effect. ***

**SECTION E. Source Group Restrictions.**

Group Name: EGUS

Group Description: Electric Generating Units

Sources included in this group:

ID	Name
101	GENERAL ELECTRIC, 7HA.02, EGU #1 COMBUSTION TURBINE
102	GENERAL ELECTRIC, 7HA.02, EGU #2 COMBUSTION TURBINE
C101A	EGU #1 OXIDATION CATALYST
C101B	EGU #1 SCR
C102A	EGU #2 OXIDATION CATALYST
C102B	EGU #2 SCR

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

During normal operation, emissions from each combined cycle combustion turbine, Source IDs 101 and 102, shall not exceed the following:

Pollutant	Fuel	Duct Burners	Emission Rate
NOx	Natural Gas	Fired	2.0 ppmvd @ 15% O ₂
	Natural Gas	Unfired	2.0 ppmvd @ 15% O ₂
	Ethane Blend	Fired	2.0 ppmvd @ 15% O ₂
	Ethane Blend	Unfired	2.0 ppmvd @ 15% O ₂

Compliance Method/Averaging Period:

Initial: U.S. EPA Reference Method 7E or another Method(s) approved by the Department.

Continuous: 1-hour block

Pollutant	Fuel	Duct Burners	Emission Rate
CO	Natural Gas	Fired	2.0 ppmvd @ 15% O ₂
	Natural Gas	Unfired	2.0 ppmvd @ 15% O ₂
	Ethane Blend	Fired	2.0 ppmvd @ 15% O ₂
	Ethane Blend	Unfired	2.0 ppmvd @ 15% O ₂

Compliance Method/Averaging Period:

Initial: U.S. EPA Reference Method 10 or another Method(s) approved by the Department.

Continuous: 1-hour block

Pollutant	Fuel	Duct Burners	Emission Rate
VOC	Natural Gas	Fired	1.75 ppmvd @ 15% O ₂
	Natural Gas	Unfired	1.0 ppmvd @ 15% O ₂
	Ethane Blend	Fired	1.75 ppmvd @ 15% O ₂
	Ethane Blend	Unfired	1.0 ppmvd @ 15% O ₂

Compliance Method/Averaging Period:

Initial: U.S. EPA Reference Method 18 and 25A or another Method(s) approved by the Department.

Continuous: 3-hour block based on initial stack test VOC to CO correlation.

Pollutant	Fuel	Duct Burners	Emission Rate
Total PM	Natural Gas	Fired	0.0050 lb/MMBtu
	Natural Gas	Unfired	0.0068 lb/MMBtu
	Ethane Blend	Fired	0.0050 lb/MMBtu
	Ethane Blend	Unfired	0.0068 lb/MMBtu

**SECTION E. Source Group Restrictions.****Compliance Method/Averaging Period:**

Initial: U.S. EPA Reference Methods 201/201A or equivalent and Method 202.

Continuous: 30-operating day rolling average.

Pollutant	Fuel	Duct Burners	Emission Rate
Total PM10	Natural Gas	Fired	0.0050 lb/MMBtu
	Natural Gas	Unfired	0.0068 lb/MMBtu
	Ethane Blend	Fired	0.0050 lb/MMBtu
	Ethane Blend	Unfired	0.0068 lb/MMBtu

Compliance Method/Averaging Period:

Initial: U.S. EPA Reference Methods 201/201A or equivalent and Method 202.

Continuous: 30-operating day rolling average.

Pollutant	Fuel	Duct Burners	Emission Rate
Total PM2.5	Natural Gas	Fired	0.0050 lb/MMBtu
	Natural Gas	Unfired	0.0068 lb/MMBtu
	Ethane Blend	Fired	0.0050 lb/MMBtu
	Ethane Blend	Unfired	0.0068 lb/MMBtu

Compliance Method/Averaging Period:

Initial: U.S. EPA Reference Methods 201/201A or equivalent and Method 202.

Continuous: 30-operating day rolling average.

Pollutant	Fuel	Duct Burners	Emission Rate
H2SO4	Natural Gas	Fired	0.00138 lb/MMBtu
	Natural Gas	Unfired	0.00136 lb/MMBtu
	Ethane Blend	Fired	0.00138 lb/MMBtu
	Ethane Blend	Unfired	0.00136 lb/MMBtu

Compliance Method/Averaging Period:

U.S. EPA Reference Method 8 or another Method(s) approved by the Department.

Continuous: 30-operating day rolling average.

Pollutant	Fuel	Duct Burners	Emission Rate
SO2	Natural Gas	Fired	0.0020 lb/MMBtu
	Natural Gas	Unfired	0.0020 lb/MMBtu
	Ethane Blend	Fired	0.0020 lb/MMBtu
	Ethane Blend	Unfired	0.0020 lb/MMBtu

Compliance Method/Averaging Period:

U.S. EPA Reference Method 6C or another Method(s) approved by the Department.

Continuous: 30-operating day rolling average.

Pollutant	Fuel	Duct Burners	Emission Rate
HCHO	Natural Gas	Fired	91 ppbvd @ 15%O2
	Natural Gas	Unfired	91 ppbvd @ 15%O2
	Ethane Blend	Fired	91 ppbvd @ 15%O2
	Ethane Blend	Unfired	91 ppbvd @ 15%O2

Compliance Method/Averaging Period:

U.S. EPA Test Method 320 of 40 CFR Part 63, Appendix A; ASTM D6348-03 provided that %R as determined in Annex A5 of ASTM D6348-03 is equal or greater than 70% and less than or equal to 130%; or another Method(s) approved by the Department.

Pollutant	Fuel	Duct Burners	Emission Rate
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**SECTION E. Source Group Restrictions.**

CO2	Natural Gas	Unfired	847 lb CO2e/MWh (gross output)
	Ethane Blend	Unfired	886 lb CO2e/MWh (gross output)

Compliance Method/Averaging Period:

Initial: U.S. EPA Reference Method 3A or another Method(s) approved by the Department.

Continuous: 12-month rolling average.

Pollutant	Fuel	Duct Burners	Emission Rate
NH3	All	Fired/Unfired	5 ppmvd @ 15% O2

Compliance Method/Averaging Period:

Initial: U.S. EPA Reference CTM 27 or another Method(s) approved by the Department.

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

During normal operation when combusting natural gas or ethane blend, at no time shall NOx emissions exceed 26.63 lb/hr from each combined cycle combustion turbine to ensure compliance with the 1-hour average NO2 NAAQS.

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

At all times, including startup and shutdown, total emissions from both combined cycle electric generating units (EGU #1 and EGU #2) shall not exceed the following on a 12-month rolling basis:

Pollutant Emission Rate (tpy)

NOx	217.5
CO	143.2
VOC	63.7
Total PM	115.6
Total PM10	115.6
Total PM2.5	115.6
H2SO4	19.3
SO2	30.1
Total HAPs	16.56
Formaldehyde	7.12
GHGs (as CO2e)	3,629,885

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

Startups and shutdowns of the combined cycle combustion turbines shall be conducted in accordance with manufacturer procedures and in accordance with the following:

- A rapid startup is defined as any startup which is automated by the control system.
- A conventional startup is defined as a manual startup which exceeds one (1) hour in duration.
- The durations of startups and shutdowns shall be minimized to the maximum extent possible.
- The total combined duration of all startups and shutdowns shall not exceed 730 hours in any consecutive 12-month period.
- Each rapid startup shall not exceed one hour in duration.
- Each shutdown shall not exceed one half hour in duration.
- The total combined number of conventional startups shall not exceed 6 events in any consecutive 12-month period.
- The total combined number of conventional startups shall not exceed 23 hours in any consecutive 12-month period.
- A cold start is defined as a restart occurring 72 or more hours after a shutdown.
- A warm start is defined as a restart occurring between 8 hours and 72 hours after a shutdown.
- A hot start is defined as a restart occurring less than 8 hours after a shutdown.

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

During startup and shutdown events, at no time shall NO_x emissions exceed 140.73 lb/hr from each combined cycle combustion turbine to ensure compliance with the 1-hour average NO₂ NAAQS.

Fuel Restriction(s).**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Combined natural gas consumption in the two (2) duct burners shall not exceed 6,500 MMscf per consecutive 12-month period.

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

Only natural gas may be combusted in the two (2) duct burners.

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

Within 180 days after initial startup, the permittee shall conduct EPA reference method stack testing for NO_x, CO, VOC, formaldehyde, PM (filterable and condensable), PM₁₀ (filterable and condensable), PM_{2.5} (filterable and condensable), sulfuric acid mist (H₂SO₄), sulfur dioxide (SO₂), ammonia slip, and carbon dioxide (CO₂) in accordance with the requirements of 25 Pa. Code §139 and applicable EPA reference methods. Testing must be conducted for each fuel utilized (natural gas and ethane blend).

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

The permittee shall conduct subsequent EPA reference method stack testing for VOC, formaldehyde, PM (filterable and condensable), PM₁₀ (filterable and condensable), PM_{2.5} (filterable and condensable), and carbon dioxide (CO₂) no less often than every two (2) years after initial testing. For VOC, PM (filterable and condensable), PM₁₀ (filterable and condensable), PM_{2.5} (filterable and condensable), and carbon dioxide (CO₂) stack testing shall be performed for each operating mode, fired and unfired HRSG duct burners. The frequency of such subsequent testing may be altered based on the test results and only with prior written approval from the Department. If the permittee has not fired ethane blend fuel since the previous ethane blend stack testing has been completed, the frequency of the testing using the ethane blend fuel shall be extended beyond the two year period until no later than 90-days after successful resumption of firing the ethane blend fuel. Successful resumption is defined as four successive days of ethane blend operation for each individual combustion turbine and when no repairs have been identified for continued operation.

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §123.51]****Monitoring requirements**

- (a) This section applies to combustion units with a rated heat input of 250 million Btus per hour or greater and with an annual average capacity factor of greater than 30%.
- (b) Sources subject to this section shall install, operate and maintain continuous nitrogen oxides monitoring systems and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for statutory sources).
- (c) Sources subject to this section shall submit results on a regular schedule and in a format acceptable to the Department and in compliance with Chapter 139, Subchapter C.
- (d) Continuous nitrogen oxides monitoring systems installed under the requirements of this section shall meet the minimum data availability requirements in Chapter 139, Subchapter C.
- (e) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system cannot be implemented by a source due to physical plant limitations or to extreme economic reasons. A source exempted from the requirements of subsection (b) shall satisfy alternative emission monitoring and reporting requirements proposed by the source and approved by the Department which provide

**SECTION E. Source Group Restrictions.**

oxides emission data that is representative of actual emissions of the source.

(f) Sources subject to this section shall comply by October 20, 1993, unless the source becomes subject to the requirements later than October 20, 1990. For sources which become subject to the requirements after October 20, 1990, the source has 36 months from the date the source becomes subject to this section. The Department may issue orders providing a reasonable extension of time for sources that have made good faith efforts to install, operate and maintain continuous monitoring devices, but that have been unable to complete the operations within the time period provided.

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

The permittee shall continuously monitor and record the pressure differential across the oxidation catalyst as well as the catalyst inlet and outlet temperatures. Visible and audible alarms shall be utilized to indicate improper operational parameters.

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

The permittee shall continuously monitor and record the selective catalytic reduction pressure differential and inlet and outlet temperatures. Visible and audible alarms shall be utilized to indicate improper operational parameters.

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

The permittee shall install, certify, maintain and operate continuous emission monitoring systems (CEMS) for nitrogen oxides (NO_x), carbon monoxide (CO), and oxygen (O₂); volumetric flow monitors on the exhaust of each combustion turbine; fuel flow monitoring devices on each fuel supply; and 0.2 class electricity metering instrumentation calibrated in accordance with ANSI Standards No. C12.20. Installation, certification, maintenance, and operation thereof must be in accordance with all applicable requirements specified in 25 Pa. Code §139 and the Department's Continuous Source Monitoring Manual.

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

The permittee shall maintain the following comprehensive and accurate records:

- (a) Actual heat input and power output on a 12-month rolling basis.
- (b) The date, time, fuel type, type (i.e. cold, warm, hot, and whether convention or rapid) and duration of each startup and shutdown event on a 12-month rolling basis.
- (c) Pressure differential and inlet and outlet temperature across the oxidation catalysts.
- (d) Pressure differential and inlet and outlet temperature across the selective catalytic reduction system and ammonia injection rate.
- (e) Combustion turbine hours of operation and fuel type on a 12-month rolling basis.
- (f) Duct burner hours of operation, hourly average firing rate, and volume and type of fuel combusted on a 12-month rolling basis.
- (g) Requirements established in 25 Pa. Code §139 Subchapter C, requirements for source monitoring for stationary sources.
- (h) Requirements in the most recent version of the Department's Continuous Source Monitoring Manual.

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

The permittee shall operate all air cleaning devices at all times once operating parameters are sufficient for proper operation thereof.

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

Each combined cycle combustion turbine shall be equipped with dry low-NO_x combustor, selective catalytic reduction (SCR), and oxidation catalyst.

**SECTION E. Source Group Restrictions.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The SO₂ and H₂SO₄ emissions factors shall be determined on a monthly basis using the following method:

$$EFi(\text{monthly}) = EFi(\text{stack test}) * [SC(\text{monthly}) / SC(\text{stacktest})]$$

Where:

EFi(stack test) = the emissions rate of pollutant "i" in lb/MMBtu as measured during the most recent stack test.

SC(monthly) = the latest sulfur content of the natural gas as determined by grab sample and laboratory analysis using ASTM D5504 (or equivalent test method) at least once per calendar month.

SC(stacktest) = the sulfur content of the natural gas during the most recent stack test for pollutant "i".

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

The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart KKKK.

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

The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart TTTT.

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

The PM, PM₁₀, and PM_{2.5} emissions factors shall be determined on a monthly basis using the following method:

$$EFi(\text{monthly}) = EFi(\text{stack test}) + [[SC(\text{monthly}) - SC(\text{stacktest})] * C]$$

Where:

EFi(stack test) = the emissions rate of pollutant "i" in lb/MMBtu as measured during the most recent stack test.

SC(weekly) = the latest sulfur content of the natural gas as determined by grab sample and laboratory analysis using ASTM D5504 (or equivalent test method) at least once per calendar month.

SC(stacktest) = the sulfur content of the natural gas during the most recent stack test for pollutant "i".

C = 1.85E-4.

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

(a) Compliance with the applicable SO₂, H₂SO₄, PM, PM₁₀, and PM_{2.5} emissions limits shall be determined using a 30-operating day rolling average of the EFi(monthly) emissions factors.

(b) Actual emissions of SO₂, H₂SO₄, PM, PM₁₀, and PM_{2.5} when combusting natural gas or ethane blend shall be calculated for each operating day using each EFi(monthly) emissions factor and the total fuel consumed.

(c) Annual emissions of SO₂, H₂SO₄, PM, PM₁₀, and PM_{2.5} shall be determined using the 12-month rolling sum of each daily emissions quantity calculated in accordance with (b) of this section.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Definitions:

(a) Startup is defined as the period beginning when fuel begins flowing to the combustion turbine and ending when the combustion process, air pollution control equipment, and associated control systems have attained normal operating conditions.

(b) Shutdown is defined as the period beginning when the combustion turbine exits dry low NOX (DLN) mode and ending when fuel flow ceases.

(c) Normal operation is defined as all times except startup and shutdown.

*** Permit Shield in Effect. ***

**SECTION E. Source Group Restrictions.**

Group Name: EMERGENCY DIESEL ENGINES SUBPART IIII

Group Description: 40 CFR Part 60 Subpart IIII

Sources included in this group:

ID	Name
103	EMERGENCY GENERATOR ENGINE (PLANT)
105	EMERGENCY FIRE PUMP ENGINE

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manuf**

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

(1) N/A

(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.

(b) N/A

(c) [Reserved]

(d) - (g) N/A

(h) Notwithstanding the requirements in paragraphs (a) through (f) of this section, stationary CI internal combustion engine manufacturers are not required to certify reconstructed engines; however manufacturers may elect to do so. The reconstructed engine must be certified to the emission standards specified in paragraphs (a) through (f) of this section that are applicable to the model year, maximum engine power and displacement of the reconstructed emergency stationary CI ICE.

002 [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 cc**

(a) N/A

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

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

Table 4 to Subpart IIII of Part 60—Emission Standards for Stationary Fire Pump Engines

[As stated in §§60.4202(d) and 60.4205(c), you must comply with the following emission standards for stationary fire pump engines]

Maximum engine power	Model year(s)	NMHC + NOX	CO	PM
225=KW<450 (300=HP<600)	2008 and earlier	10.5 (7.8)	3.5 (2.6)	0.54 (0.40)
	2009 +	4.0 (3.0)	3.5 (2.6)	0.20 (0.15)

(d) N/A

**SECTION E. Source Group Restrictions.**

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

(f) N/A

Fuel Restriction(s).**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject**

(a) N/A

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

(c) [Reserved]

(d) - (e) N/A

II. TESTING REQUIREMENTS.**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4212]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?**

Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests pursuant to this subpart must do so according to paragraphs (a) through (e) of this section.

(a) The performance test must be conducted according to the in-use testing procedures in 40 CFR part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR part 1042, subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder.

(b) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1039 must not exceed the not-to-exceed (NTE) standards for the same model year and maximum engine power as required in 40 CFR 1039.101(e) and 40 CFR 1039.102(g)(1), except as specified in 40 CFR 1039.104(d). This requirement starts when NTE requirements take effect for nonroad diesel engines under 40 CFR part 1039.

(c) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112 or 40 CFR 94.8, as applicable, determined from the equation in §60.4212(c). Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8 may follow the testing procedures specified in §60.4213 of this subpart, as appropriate.

(d) N/A

(e) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1042 must not exceed the NTE standards for the same model year and maximum engine power as required in 40 CFR 1042.101(c).

III. MONITORING REQUIREMENTS.**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in §60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

**SECTION E. Source Group Restrictions.**

(b) N/A

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

VII. ADDITIONAL REQUIREMENTS.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?**

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) N/A

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

- (i) Manufactured after April 1, 2006, and are not fire pump engines, or
- (ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

(b) N/A

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

(d) N/A

(e) Owners and operators of facilities with CI ICE that are acting as temporary replacement units and that are located at a stationary source for less than 1 year and that have been properly certified as meeting the standards that would be applicable to such engine under the appropriate nonroad engine provisions, are not required to meet any other provisions under this subpart with regard to such engines.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4208]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What is the deadline for importing or installing stationary CI ICE produced in the previous model year?**

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) - (g) N/A

**SECTION E. Source Group Restrictions.**

(h) In addition to the requirements specified in §§60.4201, 60.4202, 60.4204, and 60.4205, it is prohibited to import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in paragraphs (a) through (g) of this section after the dates specified in paragraphs (a) through (g) of this section.

(i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

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

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

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

(b) N/A

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) N/A

(e) N/A

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

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

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

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

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

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

**SECTION E. Source Group Restrictions.**

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

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(1) N/A

(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

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

What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) N/A

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason

**SECTION E. Source Group Restrictions.**

the engine was in operation during that time.

(c) N/A

(d) If you own or operate an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in §60.4211(f)(3)(i), you must submit an annual report according to the requirements in paragraphs (d)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in §60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in §60.4211(f)(2)(ii) and (iii).

(vi) Hours spent for operation for the purposes specified in §60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in §60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in §60.4.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§60.1 through 60.19 apply to you.

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

**SECTION E. Source Group Restrictions.**

Group Name: EMERGENCY GENERATOR ENGINES

Group Description: Emergency Generator Engines

Sources included in this group:

ID	Name
103	EMERGENCY GENERATOR ENGINE (PLANT)

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The emissions from each emergency diesel generator shall not exceed the following:

- (a) NOx: 4.80 g/bhp-hr
- (b) CO: 2.61 g/bhp-hr
- (c) Total PM: 0.15 g/bhp-hr

Compliance with the applicable requirements of 40 CFR §60.4211 in Condition 9 of Section E Group Name: EMERGENCY DIESEL ENGINES SUBPART IIII assures compliance with the NOX, CO, and PM limitations above.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Sulfur content of the diesel fuel combusted by the emergency diesel generators shall not exceed 15 ppm.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of each emergency diesel generator engine shall not exceed 100 hours on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following:

- (a) Fuel certification reports for each delivery of fuel to verify compliance with the fuel sulfur requirements.
- (b) Date, time, and duration of any emergency engine testing on a 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

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

Testing of emergency engines shall not occur during any hour in which the combustion turbines are or were in startup or shutdown mode.

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

The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart IIII.

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

The permittee meets the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart IIII.

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

1. Sources 101 and 102 have the capacity to burn Ethane Blend as a fuel at the heat input rate of 3,199 MMBtu/hr (Nominal) each.
2. The Capacity/Throughput shown in SECTION A, Site Inventory List, for each Source ID are not binding for enforcement purposes.



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