COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: October 26, 2026 Effective Date: October 26, 2026

Expiration Date: October 25, 2031

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 08-00009
Natural Minor
Federal Tax Id - Plant Code: 74-1056569-8

Owner Information

Name: TENNESSEE GAS PIPELINE CO LLC
Mailing Address: 1001 LOUISIANA ST STE 1000
HOUSTON, TX 77002-5089

Plant Information

Plant: TENNESSEE GAS PIPELINE CO/317 TROY STA
Location: 08 Bradford County 08942 Troy Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: RONALD F MILLER
Title: DIRECTOR OPERATIONS
Phone: (724) 662 - 6422 Email: ron_miller@kindermorgan.com

Permit Contact Person

Name: WYATT ELLIS
Title: ENV ENGR AIR PRMT & COMPL
Phone: (720) 837 - 5845 Email: Wyatt_Ellis@kindermorgan.com

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

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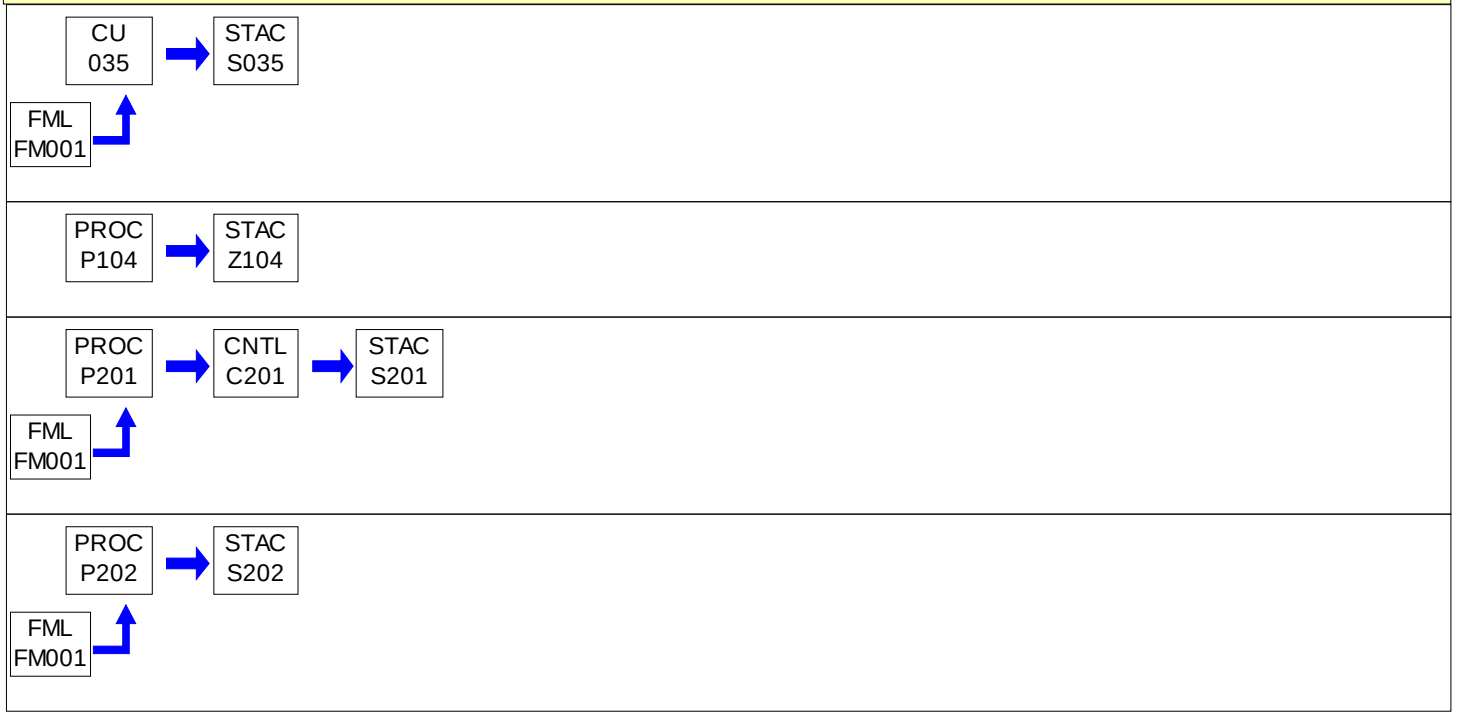
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
035	NAT GAS BOILER	0.840 MMBTU/HR	
P104	PIPELINE FLANGES, CONNECTORS AND VALVES		
P201	15900 BHP, SOLAR MARS 100-16000S GAS TURB COMP, SN MC14127	127.870 MMBTU/HR	
P202	CAT EMERGENCY GEN		
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PERMIT MAPS



SECTION B. General State Only 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 in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

(a) 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.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating 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.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]

Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). 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.

(d) 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.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) 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 as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter F.

(a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.

(1) For a synthetic minor facility, a fee equal to:

(i) Four thousand dollars ($4,000) for calendar years 2021—2025.

(ii) Five thousand dollars ($5,000) for calendar years 2026—2030.

(iii) Six thousand three hundred dollars ($6,300) for the calendar years beginning with 2031.

(2) For a facility that is not a synthetic minor, a fee equal to:

SECTION B. General State Only Requirements

(i) Two thousand dollars ($2,000) for calendar years 2021—2025.

(ii) Two thousand five hundred dollars ($2,500) for calendar years 2026—2030.

(iii) Three thousand one hundred dollars ($3,100) for the calendar years beginning with 2031.

(b) 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.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and 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 a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

Inspection and Entry.

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

(1) Enter at reasonable times upon the permittee's premises where a 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, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any 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, any 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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(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.

#007 [25 Pa. Code §§ 127.441 & 127.444]

Compliance Requirements.

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

(1) Enforcement action

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(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 for the source is 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 State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]

Operating Permit Modifications

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless

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precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) 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.

#012 [25 Pa. Code § 127.441]

Severability Clause.

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

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

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

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

(c) Except as provided below in (d), the permittee is authorized 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 NOx from a single source during the term of the permit and 5 tons of NOx 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, the regulations thereunder 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, the regulations thereunder or 25 Pa. Code Article III.

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

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

SECTION B. General State Only Requirements

(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 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.

(e) 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 (c)(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 this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(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, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making 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.

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

(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 modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

SECTION B. General State Only Requirements

#015 [25 Pa. Code § 127.11a]

Reactivation of Sources

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(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).

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]

Circumvention.

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]

Reporting Requirements.

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) 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 in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

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#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]

Recordkeeping.

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

(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 any 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.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

#023 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

SECTION B. General State Only Requirements

#024 [25 Pa. Code §135.3]

Reporting

(a) If the facility is a Synthetic Minor Facility, 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 of a Synthetic Minor Facility 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.

#025 [25 Pa. Code §135.4]

Report Format

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminants 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 emissions from blasting.

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

(a) The emissions are of minor significance with respect to causing air pollution,

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

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001(1)-(8) above, if the emissions are visible at the point the emissions pass outside the person's property.

 # 003 [25 Pa. Code §123.41]

Limitations

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

(1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour,

(2) Equal to or greater than 60% at any time.

 # 004 [25 Pa. Code §123.42]

Exceptions

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

(1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations,

(2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions,

(3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

SECTION C. Site Level Requirements

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

(c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.

(d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating whether each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

2. Permit number(s) and condition(s) which are the basis for the evaluation.

3. Summary of results with respect to each applicable permit condition.

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

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

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

(g) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, except notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager in accordance with the applicable deadlines. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided on the PA DEP website.

(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 conflict between State and Federal requirements, the most stringent provision, term, condition, method or rule shall be used by default.

 # 006 [25 Pa. Code §139.1]

Sampling facilities.

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

 # 007 [25 Pa. Code §139.11]

General requirements.

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

SECTION C. Site Level Requirements

requested by the Department.

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

(1) A thorough source description, including a description of any air cleaning devices and the flue,

(2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions, that may affect emissions from the process,

(3) The location of sampling ports,

(4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO2, O2 and N2), static and barometric pressures,

(5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met,

(6) Laboratory procedures and results,

(7) Calculated results.

III. MONITORING REQUIREMENTS.

 # 008 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements,

(2) Observers, trained and qualified, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code §§123.1, 123.31, 127.1, and 127.12, as well as 40 CFR Part 60 Subpart OOOOa]

The permittee shall conduct monitoring for fugitive air contaminants and leaks by:

1) performing auditory, visual and olfactory observations as part of the monthly walkaround inspections of the facility and

2) performing leak detection and repair (LDAR) monitoring using methods acceptable to the Department on a quarterly basis.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§123.1, 123.31, 127.1 and 127.12]

The permittee shall maintain and implement a quarterly LDAR monitoring program in accordance with the requirements of this permit condition, at minimum, and using either an OGI camera, a gas leak detector that meets the requirements of 40 CFR Part 60, Appendix A-7, Method 21, or other leak detection methods approved by the Division of Source Testing and Monitoring.

SECTION C. Site Level Requirements

(i) Any fugitive emissions components that are difficult-to-monitor or unsafe-to-monitor shall be identified by the permittee.

(ii) The detection devices shall be operated and maintained in accordance with manufacturer-recommended procedures, as required by the test method, or a Department-approved method.

(iii) A leak is defined as any visible emissions detected by an OGI camera calibrated according to 40 CFR § 60.18 and a detection sensitivity level of 60 grams/hour, or otherwise as determined by the Department, such as any positive indication, whether audible, visual, or odorous, determined during a monthly inspection, or a concentration of 500 ppm calibrated as methane or greater detected by an instrument reading.

(iv) For quarterly monitoring using a gas leak detector in accordance with 40 CFR Part 60, Appendix A-7, Method 21, the permittee may choose to adjust the detection instrument readings to account for the background organic concentration level as determined according to the procedures in Section 8.3.2.

(v) Any leak detected from a fugitive emission component shall be repaired by the permittee as expeditiously as practicable. A first attempt at repair shall be made within 5 calendar days of detection, and repair shall be completed no later than 15 calendar days after the leak is detected unless:
(A) The permittee must purchase parts; in which case the repair shall be completed no later than 10 calendar days after the receipt of the purchased parts; or
(B) The repair or replacement is technically infeasible, would require a vent blowdown, a compressor station, processing plant, or transmission station shutdown, or would be unsafe to repair during operation of the unit, in which case the repair or replacement shall be completed during the next scheduled transmission station shutdown, after a planned vent blowdown or within 2 years, whichever is earlier.

(vi) Once a fugitive emission component has been repaired or replaced, the permittee shall resurvey the component as soon as practicable, but no later than 30 calendar days after the leak is repaired.

(vii) For repairs that cannot be made during the monitoring survey when the leak is initially found, either a digital photograph shall be taken of the component or the component shall be tagged for identification purposes.

(viii) A leak is considered repaired if:
(A) There are no detectable emissions consistent with Section 8.3.2 of 40 CFR Part 60, Appendix A-7, Method 21;
(B) A leak concentration of less than 500 ppm as methane is detected when the gas leak detector probe inlet is placed at the surface of the component;
(C) There is no visible leak image when using an OGI camera calibrated at a detection sensitivity level of 60 grams/hour; or
(D) There is no bubbling at the leak interface using a soap solution bubble test specified in Section 8.3.3 of 40 CFR Part 60, Appendix A-7, Method 21.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall conduct monthly inspections of the facility during daylight hours while the facility is operating to detect the presence of visible emissions, visible fugitive emissions and malodors.

(b) All detected visible emissions, visible fugitive emissions, and malodorous air emissions that have the potential to exceed applicable limits shall be reported to the manager of the facility at once. A leak is defined as any positive indication, whether audible, visual, or odorous, determined during a monthly inspection.

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain a logbook of the monthly inspections and shall record each inspection along with any instances of visible emissions, visible fugitive emissions and malodorous air emissions, the name of the company representative that conducted the monitoring, and the date and time of each one. The permittee shall also record the corrective action(s) taken to abate each recorded deviation or to prevent future occurrences.

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

SECTION C. Site Level Requirements

request.

 # 013 [25 Pa. Code §135.5]

Recordkeeping

The permittee shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with §§ 135.3 and 135.21 (relating to reporting and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

V. REPORTING REQUIREMENTS.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code section 127.442]

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

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

(c) The report shall describe the following:

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

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

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

SECTION C. Site Level Requirements

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

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

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 40 CFR Sections 60.4 and 63.13, the submission of all requests, reports, applications, submittals, and other communications required by 40 CFR Parts 60 or 63 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to the address below unless otherwise required to be submitted electronically to US EPA:

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

 # 017 [25 Pa. Code §135.3]

Reporting

(a) The permittee shall submit by March 1 of each year an Air Information Management Systems (Annual Emissions Statement) 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) The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne as specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9). These actions shall include, but not be limited to, the following:

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land,

(2) Application of asphalt, oil, 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 §121.7]

Prohibition of air pollution.

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

 # 020 [25 Pa. Code §123.31]

Limitations

SECTION C. Site Level Requirements

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

 # 021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The position of Vice President – Operations for Tennessee Gas Pipeline Company, L.L.C., which is currently held by Mr. Jess Coleman, also has Responsible Official (RO) signatory authority, based on the August 2026 permit comment submitted to the Department. The permittee shall provide a letter or email notification to the Department upon a change in the Duly Authorized Representative (DAR) including signed and dated certification from the new DAR as applicable regarding any designated representative with RO signatory authority and responsibility for the overall operation of the facility.

 # 022 [25 Pa. Code §129.14]

Open burning operations

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 035 Source Name: NAT GAS BOILER

Source Capacity/Throughput: 0.840 MMBTU/HR



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.22]

Combustion units

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 52.2020(c)(1)]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from Source ID 035 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 035 shall only be fired on natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

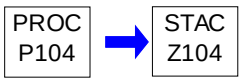
Operating permit terms and conditions.

Source ID 035 is a 0.84 MMBTU/hr Parker mfg natural-gas-fired boiler.

SECTION D. Source Level Requirements

Source ID: P104 Source Name: PIPELINE FLANGES, CONNECTORS AND VALVES

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with all applicable GHG and VOC standards pertaining to the pneumatic controllers at the facility, as specified in 40 CFR Part 60 Subpart OOOOa Section 60.5390a.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code §§123.1, 123.31, 127.1, and 127.12, as well as 40 CFR Part 60 Subpart OOOOa]

In accordance with the requirements specified in Section C of this operating permit, the permittee shall conduct testing for fugitive air contaminants and leaks by:

1) performing auditory, visual and olfactory observations as part of the monthly walkaround inspections of the facility and

2) performing leak detection and repair (LDAR) monitoring using methods acceptable to the Department.

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with the applicable recordkeeping requirements pertaining to the pneumatic controllers at the facility, as specified in 40 CFR Part 60 Subpart OOOOa Section 60.5420a.

V. REPORTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with the applicable notification and reporting requirements pertaining to the pneumatic controllers at the facility, as specified in 40 CFR Part 60 Subpart OOOOa Section 60.5420a.

VI. WORK PRACTICE REQUIREMENTS.

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

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P104 encompasses all fugitive emission components such as pipeline flanges, connectors, valves, etc., that are in natural gas or hydrocarbon liquid service, at the facility. Additionally, Source ID P104 encompasses the pneumatic controllers as defined in 40 CFR Part 60 Subpart OOOOa Section 60.5430a.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The pneumatic controllers at the facility are subject to 40 CFR Part 60 Subpart OOOOa. The permittee shall comply with all applicable requirements pertaining to the pneumatic controllers, as specified in 40 CFR Sections 60.5360a through 60.5499a including specifically Section 60.5410a and Section 60.5415a.

SECTION D. Source Level Requirements

Source ID: P201 Source Name: 15900 BHP, SOLAR MARS 100-16000S GAS TURB COMP, SN MC14127

Source Capacity/Throughput: 127.870 MMBTU/HR



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this process (Source ID P201) in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

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

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

The SOx emissions (expressed as SO2) from Source ID P201 shall not exceed 0.028 lb/MMBtu.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]
[Compliance with this condition assures compliance with the provisions of 25 Pa. Code Section 123.41]

No person may permit the emission of visible air contaminants from Source ID P201 in such a manner that the opacity of the emission is either of the following:

(i) Equal to or greater than 10 percent for a period or periods aggregating more than three (3) minutes in any one (1)-hour;

(ii) Equal to or greater than 30 percent at any time.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions into the outdoor atmosphere from the Source ID P201 combustion turbine exhaust shall not exceed any of the following emission restrictions in accordance with BAT requirements of 25 Pa. Code sections 127.1 and 127.12:

(i) 20.63 tons in any 12 consecutive month period of nitrogen oxides (expressed as NO2);
(ii) 36.64 tons in any 12 consecutive month period of carbon monoxide (CO);
(iii) 1.07 tons in any 12 consecutive month period of particulate matter (filterable only);
(iv) 3.71 tons in any 12 consecutive month period of PM10;
(v) 3.71 tons in any 12 consecutive month period of PM2.5;
(vi) 6.42 tons in any 12 consecutive month period of VOCs (expressed as propane);
(vii) 0.96 tons in any 12 consecutive month period of formaldehyde;
(viii) 7.82 tons in any 12 consecutive month period of sulfur oxides (expressed as SO2).

SECTION D. Source Level Requirements

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

(a) Source ID P201 shall not emit into the outdoor atmosphere carbon monoxide (CO) in manner that the concentration of CO in the exhaust of the natural gas-fired turbine associated with Source
ID P201 is in excess of 2.0 parts per million, by volume, dry basis, corrected to 15% oxygen.

(b) The restriction specified in (a) of this condition applies at all times of operation except during startup and shutdown operations.

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

(a) Source ID P201 shall not emit into the outdoor atmosphere volatile organic compounds (VOCs) in manner that the concentration of VOCs (expressed as propane) in the exhaust of the natural gas-fired turbine associated with Source ID P201 is in excess of 3.0 parts per million, by volume, dry basis, corrected to 15% oxygen.

(b) The restriction specified in (a) of this condition applies at all times of operation except during startup and shutdown operations

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

Source ID P201 shall not emit into the outdoor atmosphere PM2.5 (filterable and condensable) as well as PM10 (filterable and condensable) greater than 0.0066 lb/MMBtu of heat input to the turbine (3- hour average, block).

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

Source ID P201 shall not emit into the outdoor atmosphere formaldehyde greater than 0.0017 lb/MMBtu of heat input to the turbine.

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

(a) Source ID P201 shall not emit into the outdoor atmosphere nitrogen oxides (NOx) in manner that the concentration of NOx (expressed as NO2) in the exhaust of the natural gas-fired turbine associated with Source ID P201 is in excess of 9.0 parts per million, by volume, dry basis, corrected to 15% oxygen.

(b) The restriction specified in (a) of this condition applies at all times of operation except during periods of operation in which the ambient temperature is below 0 degrees Fahrenheit and during startup and shutdown operations

(c) During periods of operation in which the ambient temperature is below 0 degrees Fahrenheit, Source ID P201 shall not emit into the outdoor atmosphere nitrogen oxides in a manner that the concentration of NOx (expressed as NO2) in the exhaust of the natural gas-fired turbine associated with Source ID P201 is in excess of 42.0 parts per million, by volume, dry basis, corrected to 15% oxygen.

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

SECTION D. Source Level Requirements

Source ID P201 shall not emit into the outdoor atmosphere particulate matter (filterable) greater than 0.0019 lb/MMBtu of heat input to the turbine (3-hour average, block).

Fuel Restriction(s).

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12][Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 40 CFR Sections 60.4330(a)(2)]

(a) The permittee shall only use pipeline natural gas as fuel to operate Source ID P201.

(b) The total sulfur content of the natural gas shall be equal to or less than 5 grains per 100 standard cubic feet based on an annual average and not exceed 10 grains per 100 standard cubic feet at any time.

Operation Hours Restriction(s).

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The quantity of startup operations for Source ID P201 shall not exceed 250 in any 12 consecutive month period.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

(a) All startups of the natural gas-fired turbine associated with Source ID P201 shall be performed with the electric motor equipped on the source.

(b) The startup electric motor shall be the only startup equipment equipped on Source ID P201. Installation or use of backup startup equipment with the potential for leaks, such as equipment using natural gas, is prohibited.

Throughput Restriction(s).

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The amount of fuel consumed by Source ID P201 shall not exceed 1047.2 million standard cubic feet in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

 # 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4340]

Subpart KKKK - Standards of Performance for Stationary Combustion Turbines

How do I demonstrate continuous compliance for NOX if I do not use water or steam injection?

(a) After the performance of the initial EPA reference method testing program, subsequent EPA reference method testing programs shall be conducted on the exhaust of the natural gas-fired combustion turbine incorporated into Source ID P201 on an approximate biennial basis, in order to determine the nitrogen oxides and carbon monoxide emission rates while the process is operating at peak load. "Biennial basis" for purposes of this condition is defined to be no more than 24 months from the date of the previous test.

(b) After the performance of the initial EPA reference method testing program, subsequent EPA reference method tests shall be conducted on the exhaust of the natural gas-fired combustion turbine incorporated into Source ID P201 on an approximate triennial basis to determine the volatile organic compounds and formaldehyde emission rates while the process is operating at peak load, but in each case, subsequent tests shall occur no less than 32 months and no more than 36 months following the previous test.

SECTION D. Source Level Requirements

(c) All subsequent testing shall be performed using test methods and procedures which are acceptable to the Department and in accordance with 40 CFR Section 60.4400

III. MONITORING REQUIREMENTS.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall continuously monitor the amount of fuel consumed by Source ID P201, in units of standard cubic feet.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor emissions of NOx, CO, PM, PM10, PM2.5, VOCs, SOx, and formaldehyde. This shall be done by using fuel consumption data, hours of operation that the turbine is out of low-NOx mode, and/or startup and shutdown operations, as applicable based on the pollutant, as well as the most recent emissions data based on stack testing results and the emission specifications for startup and shutdown operations provided to the Department to perform emissions calculations, on a calendar monthly basis, to verify compliance with the 12 consecutive month emission restrictions for Source ID P201.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the number of startup operations for Source ID P201 to verify compliance with the 12 consecutive month emission restrictions for Source ID P201.

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Compliance with the requirements in this permit condition shall assure compliance with the Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced after September 18, 2015 as codified in 40 CFR Part 60 Subpart OOOOa]

(a) The centrifugal compressor associated with Source ID P201 shall use dry seal(s).

(b) The primary seal vent pressure (or other indicators as approved by the Department) shall be monitored per the manufacturer's specification to verify the dry seal(s) incorporated into the design of the centrifugal compressor associated with Source ID P201 have not deteriorated past their useful lives due to normal wear and tear, contamination, etc. An alarm shall sound if abnormal seal operation is detected.

 # 021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

(a) The permittee shall perform periodic monitoring for NOx and CO emissions every 2,500 hours of operation of Source ID P201, to verify the natural gas-fired turbine associated with Source ID P201 is in compliance with the 9 ppm and 2 ppm emission restrictions, respectively. If a Department-approved test has been performed within 45 days prior to the scheduled periodic monitoring, this test may be used in lieu of the scheduled periodic monitoring.

(b) A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three 20-minute test runs. The Department may alter the frequency of portable analyzer tests based on the results. The portable gas analyzer shall be maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department.

(c) Within thirty (30) calendar days after the completion of periodic monitoring, the permittee shall submit the results to the Department. The Department reserves the right to require stack testing if the NOx or CO monitoring results warrant it.

 # 022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

SECTION D. Source Level Requirements

Control Device ID C201 associated with Source ID P201 shall be equipped with instrumentation to continuously monitor the catalyst's inlet and outlet temperatures, as well as the pressure differential across the catalyst to verify the temperatures and differential pressure are within the acceptable ranges established based on stack testing.

 # 023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4340]

Subpart KKKK - Standards of Performance for Stationary Combustion Turbines

How do I demonstrate continuous compliance for NOX if I do not use water or steam injection?

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall continuously monitor the appropriate parameters to determine whether the natural gas-fired turbine associated with Source ID P201 is operating in low-NOx mode (SoLoNOx).

 # 024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4360]

Subpart KKKK - Standards of Performance for Stationary Combustion Turbines

How do I determine the total sulfur content of the turbine's combustion fuel?

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall monitor the sulfur content of the natural gas consumed by Source ID P201 by either:

(a) Determining the sulfur content of the fuel using total sulfur methods described in 40 CFR Section 60.4415 at the frequency specified in either 40 CFR Section 60.4370(b) or Section 60.4370(c); OR

(b) Using representative fuel sampling data showing that the sulfur content of the fuel does not exceed 10 grains of sulfur per 100 standard cubic feet of fuel at any time and 5 grains of sulfur per 100 standard cubic feet based on annual average. At a minimum, the amount of fuel sampling data specified in Section 2.3.1.4 or 2.3.2.4 of 40 CFR Part 75 Appendix D is required.

IV. RECORDKEEPING REQUIREMENTS.

 # 025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All information used to meet the recordkeeping requirements for Source ID P201 shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

 # 026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the following information:

(a) The emissions of NOx, CO, PM, PM10, PM2.5, VOCs, SOx, and formaldehyde in any calendar month from the operation of Source ID P201, including emissions from startup and shutdown operations and periods of operation in which the turbine was operated out of low-NOx mode, to show compliance with the 12 consecutive month emissions restrictions.

(b) The amount of fuel consumed by Source ID P201 in any calendar month.

(c) The hours of operation of Source ID P201 in low-NOx mode in any calendar month.

(d) The quantity of startup operations for Source ID P201 in any calendar month.

(e) The hours of operation of Source ID P201 out of low-NOx mode in any calendar month.

(f) The supporting documentation for each period of operation in which Source ID P201 was operated out of low-NOx mode.

(g) Copy of the stack testing reports.

(h) The monitoring plan developed from the stack testing, as required herein.

SECTION D. Source Level Requirements

(i) Maintenance performed on Source ID P201.

 # 027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the manufacturer's recommended maintenance practices and activities for their monitoring instrumentation that is used to meet the monitoring requirements for Source ID P201, as well as maintenance records including calibrations performed and any corrective actions taken.

 # 028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

(a) The permittee shall keep records of the catalyst (ID C201) inlet and outlet temperatures (1-hour block averages), to show the parameters, during operation of Source ID P201, are within the ranges as established in the monitoring plan.

(b) The permittee shall keep records of the differential pressure across the catalyst (ID C201) to show the differential pressure, during operation of Source ID P201, is within the range as established in the monitoring plan.

 # 029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the periodic inspections conducted on the centrifugal compressor's dry seal performance indicators including the date of inspection; personnel conducting the inspections and all corrective actions performed as a result of the inspection findings. All corrective actions performed as a result of an alarm shall also be recorded.

 # 030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Records of the NOx and CO monitoring results for Source ID P201 shall be kept at the facility or made readily available upon request by the Department.

V. REPORTING REQUIREMENTS.

 # 031 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall submit the following information for Source ID P201 annually:

(i) the calculations that determine the emissions of nitrogen oxides, sulfur oxides, volatile organic compounds, formaldehyde, greenhouse gas emissions (expressed as CO2e), particulate matter, PM10, and PM2.5 from Source ID P201 during the calendar months in the reporting period;

(ii) the calculations for each calendar month in the reporting period, which determine the 12 consecutive month emissions of nitrogen oxides, sulfur oxides, volatile organic compounds, formaldehyde, greenhouse gas emissions (expressed as CO2e), particulate matter, PM10 and PM2.5;

(b) The annual reports shall be submitted to the Department no later than March 1 of each calendar year for the reporting period from January 1 through December 31 of the preceding year.

 # 032 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

The permittee shall comply with all applicable reporting requirements pertaining to Source ID P201, as specified in 40 CFR Parts 60 Subpart KKKK. The reports shall be submitted to both the Department of Environmental Protection and the Environmental Protection Agency. The Environmental Protection Agency (EPA) copies shall be sent electronically using its Compliance and Emissions Data Reporting Interface as required in 40 CFR Part 60. If electronic reporting is not an applicable requirement then the EPA copies may be sent to:

SECTION D. Source Level Requirements

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

VI. WORK PRACTICE REQUIREMENTS.

 # 033 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

The centrifugal compressor associated with Source ID P201 shall be maintained in accordance with the manufacturer's recommended practices and specifications.

 # 034 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4333]

Subpart KKKK - Standards of Performance for Stationary Combustion Turbines

What are my general requirements for complying with this subpart?

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall operate and maintain the natural gas-fired turbine associated with Source ID P201 in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup operations, shutdown operations, and malfunctions.

VII. ADDITIONAL REQUIREMENTS.

 # 035 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P201 consists of a natural gas compression process that includes a centrifugal compressor coupled to a natural gas-fired, Solar Model Mars 100-16000S, turbine with a heat input rate at 100% load and 60°F ambient site conditions equal to 127.8 MMBtu/hr. The emissions from Source ID P201 shall be controlled by an oxidation catalyst (ID C201). ID C201 shall have a design inlet volume of turbine exhaust gas equal to at least 78,130 scfm.

 # 036 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following definitions apply to the operation of Source ID P201:

(a) "Startup" means the ten-minute period following the setting in operation of Source ID P201 for any purpose.

(b) "Shutdown" means the ten-minute period preceding cessation of operation of Source ID P201 for any purpose.

 # 037 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4300]

Subpart KKKK - Standards of Performance for Stationary Combustion Turbines

What is the purpose of this subpart?

The natural gas-fired turbine associated with Source ID P201 is subject to Subpart KKKK of the federal Standards of Performance for New Stationary Sources as codified in 40 CFR Sections 60.4300 through 60.4420. The permittee shall comply with all applicable requirements pertaining to Source ID P201, as specified in 40 CFR Sections 60.4300 through 60.4420.

SECTION D. Source Level Requirements

Source ID: P202 Source Name: CAT EMERGENCY GEN

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this process (Source ID P202) in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

 # 002 [25 Pa. Code §123.21]

General

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

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

Source ID P202 shall not have emissions that exceed the following rates:

NOx - 2.0 g/bhp-hr
CO - 4.0 g/bhp-hr
VOC 1.0 g/bhp-hr

Fuel Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source Id P202 shall only be fired on pipeline quality natural gas.

Operation Hours Restriction(s).

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P202 shall not be operated in excess of 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

SECTION D. Source Level Requirements

Source ID P202 shall be equipped with a non-resettable non-resettable hour meter.

IV. RECORDKEEPING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the number of hours Source ID P202 is operated each month and the corresponding 12-consecutive-month period totals to verify compliance with the annual operational limitation.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P202 is a natural-gas-fired CAT model G3512 four-stroke lean-burn emergency engine rated at 1,114 bhp.

SECTION E. Source Group Restrictions.

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

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