



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: July 10, 2025

Effective Date: July 10, 2025

Expiration Date: July 9, 2030

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: 08-00001

Natural Minor

Federal Tax Id - Plant Code: 74-1056569-4

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/319 WYALUSING

Location: 08 Bradford County

08951 Wyalusing 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: AUSTIN HARRIS

Title: AIR PRMT COMP ENGINEER

Phone: (713) 420 - 7024

Email: Austin_Harris@kindermorgan.com

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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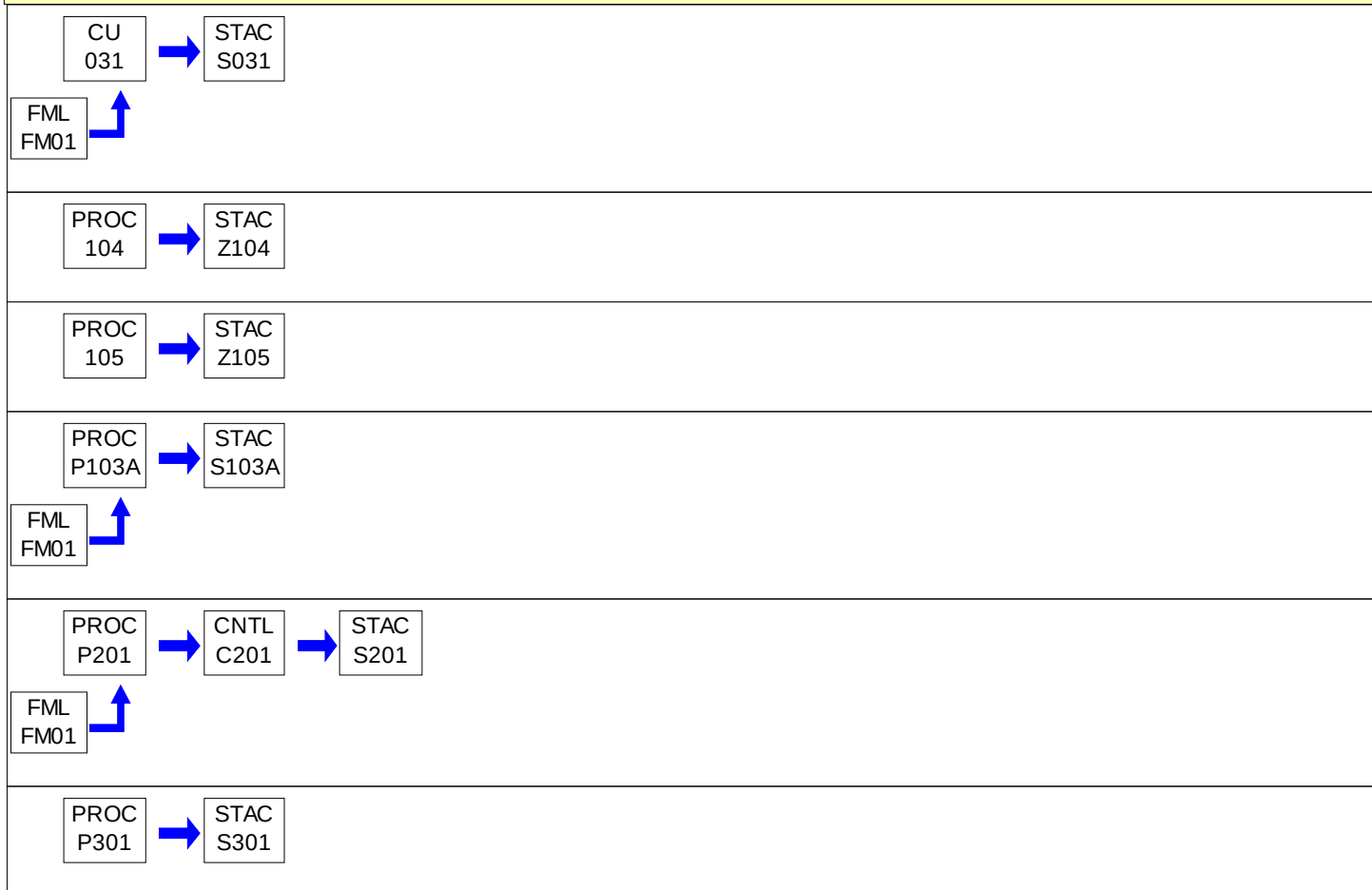
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	NATURAL GAS COMBUSTION UNIT		
104	FUGITIVES		
105	EIGHT STORAGE TANKS		
P103A	690BHP CAT G3412 LE EMER GEN ENG SN CTP03253	8,951.000 CF/HR	Natural Gas
P201	20500 BHP SOLAR TITAN 130-20502S GAS TURBINE COMP SN KC17274	164.984 MCF/HR	Natural Gas
P301	VENTING/BLOWDOWNS		
C201	OXIDATION CATALYST		
FM01	NATURAL GAS PIPELINE		
S031	COMBUSTION SOURCES STACKS		
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**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 I.**

- (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.

**SECTION B. General State Only Requirements**

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

- (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:

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- (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 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:

**SECTION B. General State Only Requirements**

(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 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 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, 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:

**SECTION B. General State Only Requirements**

- (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 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)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

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

#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

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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.

#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.

**SECTION B. General State Only Requirements****#023 [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.

#024 [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**

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) 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**

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (7) in Condition #001 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 into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

II. TESTING REQUIREMENTS.**# 004 [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 (ra-epncstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (ra-epstacktesting@pa.gov). The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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



SECTION C. Site Level Requirements

(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 if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

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

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

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

(g) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided in the paragraph (a), above.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall conduct during daylight hours weekly inspections of the facility while in operation to detect for the presence of visible emissions (except for uncombined water), visible fugitive air contaminant, and malodorous air contaminants.

(b) Any inspection or visual observation that detects a visible emission, visible fugitive air contaminant or malodorous air contaminant which may have the potential to exceed an applicable regulatory requirement shall be reported to a manager at once.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records and supporting information, such as required monitoring data, used by the permittee to fulfill the recordkeeping requirements herein shall be maintained and made available, upon request by the Department, in accordance condition #020 in section B, herein.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) The dates and times of the performances of required weekly inspections as well as the operating conditions as existing at times of the performances;

**SECTION C. Site Level Requirements**

- (2) The person(s) that conducted the inspections;
- (3) The results of the inspections; and
- (4) Corrective actions and/or preventative measures, as applicable.

(b) The permittee shall retain records of the required information for at least five (5) years from the date of the inspection.

008 [25 Pa. Code §135.5]**Recordkeeping**

The permittee shall maintain such records, including computerized records, as may be necessary to comply with 25 Pa. Code §§135.3 and 135.21. These may include records of production, fuel usage, equipment maintenance or other information determined by the Department to be necessary for identification and quantification of air contaminant emissions.

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

In accordance with 40 CFR §§ 60.4 and 63.10, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

United States Environmental Protection Agency, Region III
Office of Air Enforcement and Compliance Assistance (3AP20)
1650 Arch St.
Philadelphia, PA 19103-2029

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

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

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

(c) The report shall describe the following:

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

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

**SECTION C. Site Level 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.

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

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

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

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

012 [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.**# 013 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions for any source specified in (1) through (7) in Condition #001 herein to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

(2) Applications 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.**# 014 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

015 [25 Pa. Code §123.31]**Limitations**

No person may 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.

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

(a) The position of Vice President – Operations for Tennessee Gas Pipeline Company, L.L.C., which is currently held by Jess Coleman, phone 713-420-450, email Jess_coleman@kindermorgan.com, also has Responsible Official (RO) signatory authority, based on the Administrative Amendment approved by the Department.

(b) The permittee shall provide 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.

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.

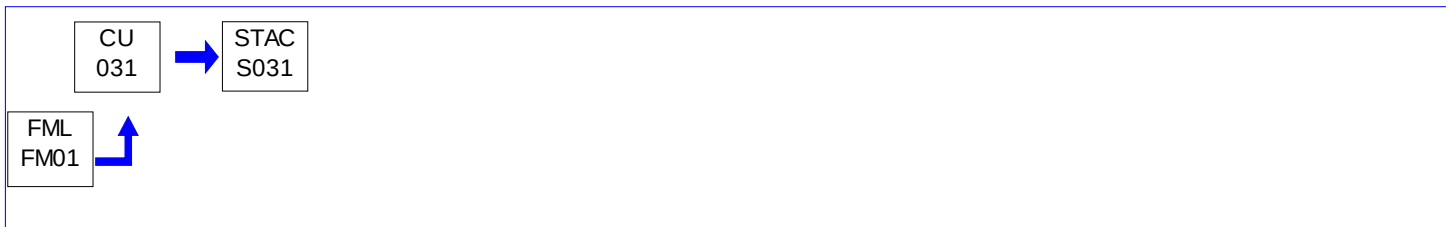
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: NATURAL GAS COMBUSTION UNIT

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from the exhaust of each of the natural gas fired combustion sources of Source ID 031 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.

The permittee shall use only natural gas to fire the Source ID 031 combustion unit.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the Source ID 031 combustion unit in accordance with the manufacturer's specifications and good operating practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

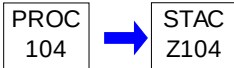
Source ID 031 is the 1.680 MMBtu per hour, Peerless model 211-9-W-1, natural gas fired boiler.

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: FUGITIVES

Source Capacity/Throughput:

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

The total combined emissions from Source ID 104 shall not equal or exceed 2.7 tons of volatile organic compounds in any 12 consecutive month period of which the emissions of volatile hazardous air pollutants shall not equal or exceed 1.0 ton 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.

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

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

Leaks, repair methods and repair delays shall be recorded and maintained in accordance with condition #020 in section B herein.

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

[Compliance with this condition ensures compliance with the requirements of 25 Pa. Code Section 123.1]

(a) The permittee shall develop a leak detection and repair (LDAR) program for the facility in accordance the following:

(1) The permittee shall perform while the facility is operational Audio, Visual, Olfactory (AVO) inspections on a monthly frequency to detect for any leaks that may occur during the inspections.

(2) In addition to the monitoring specified in (a)(1) the permittee shall perform on a quarterly frequency and with a minimum of 60 days between consecutive performances LDAR monitoring surveys to observe for leaks from each fugitive source within the facility using optical gas imaging equipment, Method 21, or other Department-approved gas leak detection equipment in accordance with the monitoring plan. The monitoring plan shall incorporate the manufacturer-recommended procedures for the leak detection equipment used by the permittee, as well as address all elements specified in 40 CFR sections 60.5430a(c) and (d) and in any other applicable provisions within 40 CFR Part 60 subpart OOOOa. The permittee

**SECTION D. Source Level Requirements**

shall keep a copy of the monitoring plan at the facility and provide a copy to the Department upon request.

(b) All leaks shall be recorded by the permittee during the monitoring, required above, and repaired when the leak is discovered or no later than 15 calendar days thereafter, unless facility shutdowns or ordering of replacement parts are necessary for repair of the leaks.

(c) For each repair that cannot be made during the monitoring when the leak was discovered, the permittee shall keep records that verify the dates when the leak was initially found and repaired, as well as a description of where the device within the facility is located and the corrective actions taken by the permittee.

(d) If a leak will not be repairable within the 15-day period following the date of discovery, the permittee shall submit a written request to the Northcentral Air Quality Program Manager for an extension of the requirement to repair. This applies to also to a leak that would require facility shutdown or ordering of replacement parts for repair of the leak. The request shall be signed and certified by the facility responsible official (or any delegated authority approved by the Department) and shall include the date when the leak was initially found, the justification on why the repair must be postponed, and a tentative schedule for the repair of the leak. The Department may grant the extension via letter based on the written request.

(e) A leak is considered repaired if one of the following can be demonstrated:

No detectable emissions consistent with Method 21 specified in 40 CFR Part 60, Appendix A;

A concentration of 2.5% methane or less using a gas leak detector and a VOC concentration of 500 ppm or less;

No visible leak image when using an optical gas imaging camera;

No bubbling at leak interface using a soap solution bubble test specified in Method 21; or a procedure based on the formation of bubbles in a soap solution that is sprayed on a potential leak source may be used for those sources that do not have continuously moving parts and that do not have a surface temperature greater than the boiling point or less than the freezing point of the soap solution; or

Any other method approved by the Department.

(f) The permittee shall ensure that all federal requirements as applicable to Source ID 104 per 40 CFR Part 60 Subpart OOOOa are followed. 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.

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

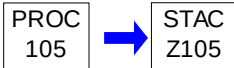
Source ID 104 is comprised of the fugitive components at the facility that have the potential to emit fugitive emissions of methane, volatile organic compounds or hazardous air pollutants including not limited to valves, connectors, pressure relief device, open-ended lines, flanges, compressors, instruments, meters, covers and closed vent systems. Devices that vent as part of normal operations are not considered fugitive sources unless the emission originates from a place other than a vent.

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: EIGHT STORAGE TANKS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total combined emissions from Source ID 105 shall not equal or exceed 2.7 tons of volatile organic compounds in any 12 consecutive month period of which the emissions of volatile hazardous air pollutants shall not equal or exceed 1.0 ton 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.

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

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain comprehensive and accurate records of the amount of volatile organic compounds and the amount of volatile hazardous air pollutants emitted from Source ID 105 during each 12 consecutive month period. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 105 is comprised of the following storage tanks:

- (a) 275-gallon Lube Oil tank
- (b) 400-gallon Lube Oil tank
- (c) 250-gallon Seal Oil tank
- (d) 275-gallon Seal Oil Storage Tank
- (e) Two (2) Glycol/Water Storage Tanks (each 260 gallons)

**SECTION D. Source Level Requirements**

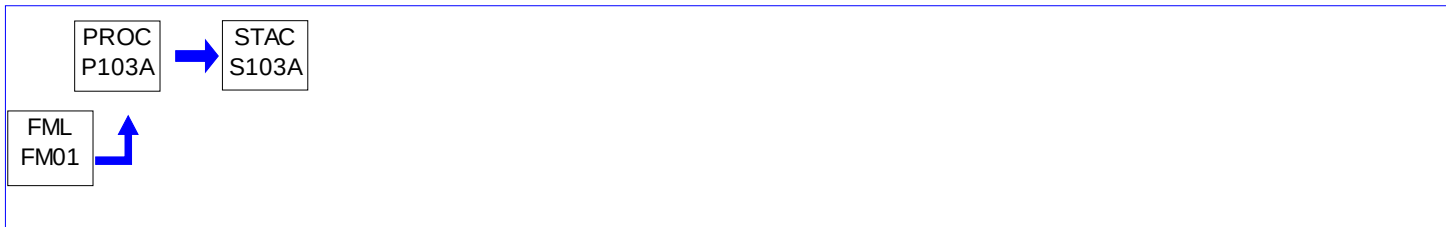
(f) Two (2) Glycol/Water Surge Tanks (each 100 gallons)

**SECTION D. Source Level Requirements**

Source ID: P103A

Source Name: 690BHP CAT G3412 LE EMER GEN ENG SN CTP03253

Source Capacity/Throughput: 8,951.000 CF/HR Natural Gas

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

[Authority is also derived from 40 CFR Section 60.4233(e) and Table 1 to 40 CFR Part 60 subpart JJJJ]

The permittee shall not permit the emission of air contaminants into the outdoor atmosphere from the Source ID P103A engine in excess of the following:

- (a) NO_x - 2.0 g/hp-hr or 160 ppmvd at 15% oxygen (O₂)
- (b) CO - 4.0 g/hp-hr or 540 ppmvd at 15% O₂
- (c) VOC - 1.0 g/hp-hr or 86 ppmvd at 15% O₂

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

The permittee shall limit total operating hours of the Source ID P103A engine for non-emergency situations in accordance with 40 CFR sections 60.4243(d)(1) through (3).

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

The permittee shall not permit the total operating hours of the Source ID P103A engine to exceed 500 hours in any 12 consecutive month period without prior written approval by the Department.

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

[Authority is also derived from 40 CFR section 60.4243(b)(2)]

The permittee shall perform subsequent performance tests on the Source ID P103A engine every 3 years following the previous one using methods and procedures acceptable to the Department. In addition, the permittee shall fulfill all applicable federal requirements as specified in 40 CFR sections 60.4244, (relating to What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?).

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

The Source ID P103A engine shall be equipped with a non-resettable hour meter that monitors the cumulative operating time of the source.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with all applicable notification, reports, and records requirements for the Source ID P103A engine as specified under 40 CFR section 60.4245.

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

The permittee shall maintain and make available, upon request by the Department, records of the total monthly operating hours for the Source ID P103A engine and other monitored information in accordance with condition #020 in section B herein.

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

[Authority is also derived from 40 CFR section 60.4243(b)(2)(ii)]

The permittee shall keep a maintenance plan and records of conducted maintenance for the Source ID P103A engine and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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

The Source P103A engine is a Caterpillar model G3412 installed in November 2014 and is subject to the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines as codified in 40 CFR Part 60 Subpart JJJJ. The permittee shall comply with all applicable requirements pertaining to the Source ID P103A engine, as specified in 40 CFR sections 60.4230 through 60.4248.

[Compliance with this permit condition will ensure compliance with the applicable Part 63 Subpart ZZZZ rulemaking - National Emissions Standards for HAP for Stationary RICE - per 40 CFR section 63.6590(c)(1)]

**SECTION D. Source Level Requirements**

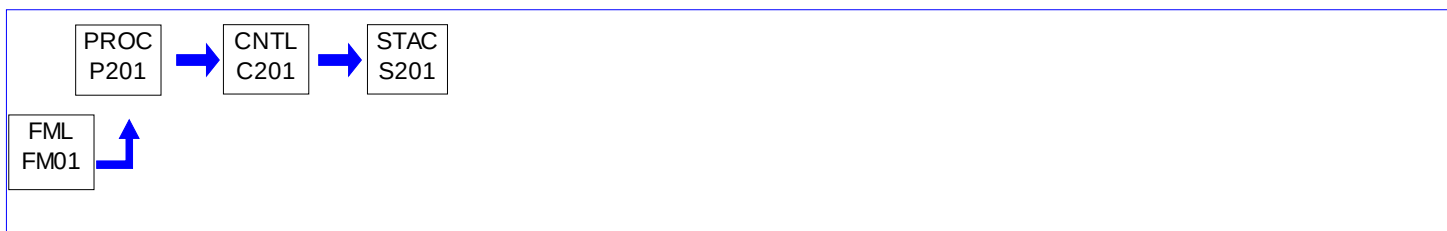
Source ID: P201

Source Name: 20500 BHP SOLAR TITAN 130-20502S GAS TURBINE COMP SN KC17274

Source Capacity/Throughput:

164.984 MCF/HR

Natural Gas

**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 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 Source ID P201 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.**

Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere the following pollutants, PM-10 and PM_{2.5}, in a manner that the emissions rates from the Source ID P201 combustion turbine exhaust is greater than 0.0066 lb/MMBtu of heat input.

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

Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere particulate matter (filterable only) in manner that the emission rate is greater than 0.0019 lb/MMBtu of heat input.

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

In accordance with 25 Pa. Code sections 127.1 and 127.12, visible emissions (excluding uncombined water) from the Source ID P201 combustion turbine exhaust shall not exceed either of the following limitations:

- (a) Equal to or greater than 10 percent for a period or periods aggregating more than three (3) minutes in any one (1)-hour; and
- (b) Equal to or greater than 30 percent at any time.

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

Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall not permit the emission of air contaminants into the outdoor atmosphere from the Source ID P201 combustion turbine exhaust in excess of the following limitations:

- (a) 37.2 tons in any 12 consecutive month period of nitrogen oxides (expressed as NO₂);
- (b) 51.9 tons in any 12 consecutive month period of carbon monoxide (CO)
- (c) 1.3 tons in any 12 consecutive month period of particulate matter (filterable only)
- (d) 4.4 tons in any 12 consecutive month period of PM-10/PM_{2.5} (filterable and condensable);
- (e) 3.1 tons in any 12 consecutive month period of VOCs; and
- (f) 1.2 tons in any 12 consecutive month period of formaldehyde.
- (g) 9.2 tons in any 12 consecutive month period of sulfur oxides (expressed as SO₂)

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

Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere carbon monoxide (CO) in manner that the concentration of CO from the Source ID P201 combustion turbine exhaust, after required control, is in excess of 2 parts per million, by volume, dry basis, corrected to 15% oxygen. This applies during all times of operation except during startups and shutdowns.

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

Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere formaldehyde in a manner that the emission rate from the Source ID P201 combustion turbine exhaust, after required control, is greater than 0.0017 lb/MMBtu of heat input.

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

Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere volatile organic compounds (VOCs) in manner that the concentration of VOCs (expressed as propane) from the Source ID P201 combustion turbine exhaust, after required control, is in excess of 3 parts per million, by volume, dry basis, corrected to 15% oxygen. This applies during all times of operation except during startups and shutdowns.

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

(a) Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere nitrogen oxides (NOx) in manner that the concentration of NOx (expressed as NO₂) from the Source ID P201 combustion turbine exhaust is in excess of 9 parts per million, by volume, dry basis, corrected to 15% oxygen. This applies during all times of operation except during startups and shutdowns and periods of low ambient air temperature (at or below 0 F).

(b) During periods of low ambient air temperature the permittee shall not emit into the outdoor atmosphere NOx in a manner that the concentration of NOx (expressed as NO₂) from the Source ID P201 combustion turbine exhaust is in excess of 42 parts per million, by volume, dry basis, corrected to 15% oxygen.

Fuel Restriction(s).**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code sections 127.1 and 127.12]

(a) The Source P201 combustion turbine shall only be fired on pipeline-quality natural gas, if available to the facility.

(b) In circumstances where pipeline-quality natural gas is not available, the permittee shall utilize natural gas that meets a total sulfur content of 5 gr/100 scf or lower. The SOx emissions (expressed as SO₂) from Source ID P201 shall not exceed 0.014 lb/MMBtu.

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

[Authority is also derived from 40 CFR Part 60 Subpart KKKK]

(a) No later than 26 months following the previous performance test the permittee shall conduct compliance performance testing on the Source ID P201 combustion turbine for nitrogen oxides and carbon monoxide using methods and procedures acceptable to the Department while the unit is operating at plus or minus 25% of 100% of peak load or at the highest achievable load point. The testing shall also follow all applicable federal requirements as specified in 40 CFR Part 60 subpart KKKK.

(b) In addition to the testing required above in (a) the permittee shall conduct compliance performance testing on the Source

**SECTION D. Source Level Requirements**

ID P201 combustion turbine for volatile organic compounds (NMNEHC, expressed as propane) one time in each 5-year calendar period following the last using methods and procedures acceptable to the Department while the unit is operating at plus or minus 25% of 100% of peak load or at the highest achievable load point.

(c) After the turbine core has been re-installed, the permittee shall perform NO_x, CO, and NMNEHC emissions testing for the respective turbine compressor engine associated with Source ID P201 within one-hundred twenty (120) days of completing the installation. Stack testing shall be performed in accordance 25 Pa. Code Title 25, Chapter 139. In addition, replacement turbine core installations to Source ID P201 shall follow the applicable testing and other provisions outlined within the PA DEP's Air Quality Permit Exemption criteria.

(d) The Department may alter the frequency of performance test requirements within this condition based on available performance data from the source, unless required by federal regulation.

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

The permittee shall record the dates when a startup and/or shutdown of the Source ID P201 process occurred. The startup and shutdown emissions from the Source ID P201 combustion turbine as well as any other startup and shutdown emissions during these activities, such as purge or venting, shall be monitored and recorded by the permittee.

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

The permittee shall maintain and make available, upon request by the Department, representative fuel sampling data for the Source ID P201 combustion turbine in accordance with 40 CFR section 60.4365(b).

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

The permittee shall monitor emissions of NO_x, CO, PM (filterable only), PM-10, PM2.5, VOCs, SO_x, individual HAPs including formaldehyde, total combined HAPs, and greenhouse gases (CO₂e) from the Source ID P201 combustion turbine using source emissions testing data and required monitoring data including fuel quality and consumption data, operating hours in and out of low-NO_x mode, performed startups and shutdowns and the manufacturer startup shutdown emissions specifications, as applicable based on the pollutant, to maintain monthly records of 12-month rolling total emissions calculations for each pollutant to verify compliance.

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

The permittee shall monitor the amount of fuel consumed by Source ID P201 on a continuous basis as well as maintain and make available, upon request by the Department, monthly fuel consumption records and other information in accordance with condition #020 in section B herein to calculate applicable pollutant emissions and verify compliance with the maximum annual fuel consumption specification of 1,418.77 million cubic feet on 12-month rolling total basis.

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

(a) Pursuant to 25 Pa. Code sections 127.1 and 127.12, the centrifugal compressor associated with Source ID P201 shall incorporate dry seals. The permittee shall install, operate and maintain the centrifugal compressor in accordance with the manufacturer's recommended practices and specifications.

(b) Pursuant to 25 Pa. Code sections 127.1 and 127.12, the primary dry seal vent pressure (or other indicators as approved by the Department) shall be monitored on a continuous basis to verify within the manufacturer specifications for the centrifugal compressor associated with Source ID P201. An alarm shall sound if an upset condition is detected.

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

[Authority is also derived from 25 Pa. Code § 127.444]

(a) The permittee shall perform required monitoring on the Source ID P201 combustion turbine exhaust for NO_x and CO

**SECTION D. Source Level Requirements**

emissions, at least one performance, in every semi-annual period, to verify compliance with the BAT compliance requirements, unless the Source ID P201 gas turbine compression process is otherwise not required to be put into operation for any other purpose.

(i) Additionally, in those cases, the required semi-annual monitoring is waived and shall be done on the date of the next, scheduled startup of the Source ID P201 gas turbine compression process, or no later than 30 days, thereafter.

(b) If a department-approved EPA reference method compliance test has been performed within a semi-annual period, this test may be used in lieu of the semi-annual NOx and CO monitoring required herein.

(c) At a minimum, the required semi-annual NOx and CO monitoring shall include:

(i) Conduct three test runs of at least 20 minutes duration within plus or minus 25% of 100% of peak load or at the highest achievable load point,

(ii) Determine NOx and CO emissions and O2 concentrations in the exhaust with either an electro-chemical cell portable gas analyzer used and maintained in accordance with the manufacturer's specifications and following the procedures specified in the current version of ASTM D6522 or by alternative sampling analysis equipment and procedures as approved by the Department.

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

(a) Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall install, calibrate, maintain, and operate the appropriate continuous monitoring systems for the Source ID P201 combustion turbine to verify that the unit is operating continually in low-NOx mode, except as otherwise permitted herein.

(b) Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall monitor the site's ambient temperature and barometric pressure during operation of Source ID P201 in order to keep supporting information and records for the periods of operation when the combustion turbine is not operated in low NOx mode due to sub-zero ambient temperature conditions (at or below 0 degrees Fahrenheit).

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

(a) Pursuant to 25 Pa. Code sections 127.1 and 127.12, the permittee shall install, calibrate, operate and maintain instrumentation to monitor the inlet and outlet temperatures of the ID C201 oxidation catalyst and the pressure differential across the catalyst on a continuous basis in order to verify normal operation in accordance with the provided monitoring plan submission to the Department, which is incorporated by reference herein.

(b) Per the monitoring plan and specified averaging therein, inlet C201 operating temperatures are not to be less than 700 degrees Fahrenheit (°F) or exceed 1,050 °F, outlet C201 operating temperatures are not to be less than 700 degrees Fahrenheit (°F) or exceed 1,050 °F, and differential pressure readings across C201 are to be maintained within 0.5 and 4.00 inches of water.

IV. RECORDKEEPING REQUIREMENTS.**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and make available, upon request by the Department, the following records pertaining to operation of Source ID P201:

a) The make, model and serial number of the Source ID P201 combustion turbine in operation and the source emissions calculations on a monthly and 12-month rolling total basis for NOx, CO, PM (filterable only), PM-10, PM2.5, VOCs, SOx, individual HAPs including formaldehyde, total combined HAPs, and greenhouse gases (CO2e) used to verify compliance, as well as the required monitoring data including operating hours in and out of low-NOx mode, quantity of startups and shutdowns, fuel consumption rates and supporting information for any intermittent periods when the source was not operating in low-NOx mode due to low ambient temperature conditions;

b) The results of each periodic NOx and CO emission monitoring performed on the Source ID P201 combustion turbine and all other information for each periodic monitoring performance as applicable pursuant to condition # 020 in section B herein;

c) A copy of all Source ID P201 emission and compliance performance tests reports;

**SECTION D. Source Level Requirements**

- d) A copy of the P201 combustion turbine manufacturer's emission guarantees and maintenance instructions;
- e) Records of maintenance conducted on the Source ID P201 combustion turbine; and
- f) Records of maintenance conducted on the ID C201 air cleaning device/oxidation catalyst.

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

The permittee shall keep maintenance records for the instrumentation required to satisfy the monitoring requirements for Source ID P201, including the calibrations data and corrective actions, as applicable.

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code sections 127.1 and 127.12]

The permittee shall maintain records on a continuous basis of the inlet and outlet temperature averages for the ID C201 oxidation catalyst technology as well as the differential pressure averages across the installed ID C201 catalyst for all periods of operation of Source ID P201 except during periods of startups or shutdowns. In addition, the permittee shall maintain and make available, upon request by the Department, a copy of the current monitoring plan for the Source ID P201 combustion turbine and the ID C201 oxidation catalyst technology.

V. REPORTING REQUIREMENTS.**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Within thirty (30) calendar days after the performance of each required periodic monitoring on the Source P201 combustion turbine, the permittee shall submit a report in accordance with the applicable reporting requirements in condition #018 section B herein. Each report shall include the results of the required periodic NOx and CO emission monitoring performance on the Source ID P201 combustion turbine and all other monitored information as applicable pursuant to condition # 020 in section B herein information. The Department reserves the right to require compliance performance tests if the periodic monitoring results warrant such an action.

VI. WORK PRACTICE REQUIREMENTS.**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall install, operate and maintain the Source ID P201 process in accordance with the manufacturer's specifications or otherwise consistent with good air pollution control practices for minimizing emissions during all periods of operation including startups, shutdowns, and malfunctions.

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

Pursuant to 25 Pa. Code §§127.1 and 127.12, all Source ID P201 startups shall be performed with the electric motor equipped on the installation.

VII. ADDITIONAL REQUIREMENTS.**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The natural gas-fired combustion 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.

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

**SECTION D. Source Level Requirements**

(a) Source ID P201 consists of a gas compression process including a centrifugal compressor coupled to a Solar Titan 130 combustion turbine with a nominal rating equal to 20,500 hp. The CO and VOC emissions including formaldehyde from the Source P201 combustion turbine shall be controlled by an oxidation catalyst (ID C201) at all times of operation except for startups and shutdowns. The ID C201 oxidation catalyst technology shall have a minimum design inlet volume equal to 93,976 scfm.

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

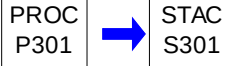
- (1) "Startup" means the ten minute period following the setting in operation of Source ID P201 for any purpose.
- (2) "Shutdown" means the ten minute period preceding cessation of operation of Source ID P201 for any purpose.

**SECTION D. Source Level Requirements**

Source ID: P301

Source Name: VENTING/BLOWDOWNS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The total combined emissions from Source ID P301 shall not equal or exceed 2.7 tons of volatile organic compounds in any 12 consecutive month period of which the emissions of volatile hazardous air pollutants shall not equal or exceed 1.0 ton in any 12 consecutive month period.

(b) reserved.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall keep records of the amount of volatile organic compounds and the amount of volatile hazardous air pollutants and the amount of methane emitted from Source ID P301 during each 12 consecutive month period. These records shall include all background information and calculations used in the derivation of the reported values.

(b) These records shall be retained for at least 5 years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P301 consists of all station venting and blowdowns. All pneumatic devices at the facility are also incorporated in Source ID P301.

(b) The Source ID P301 pneumatic devices are subject to 40 CFR Part 60 Subpart OOOOa. The permittee shall comply with

**SECTION D. Source Level Requirements**

all applicable requirements pertaining to each device, as specified in 40 CFR sections 60.5360a through 60.5499a.



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.**

The following insignificant sources have been deemed to be of minor significance in accordance with 25 Pa. Code § 127.14. Notwithstanding, the sources shall comply with all applicable regulatory requirements of 25 Pa. Code Chapters 121 through 145:

- (1) one Nordyne MIMB070ABW office space heater/furnace, natural gas fired; and
- (2) three 0.075 MMBtu per hour (each), natural gas fired, Trane GPAB-0070-0A0, shop heaters, and
- (3) one 0.046 MMBtu per hour, natural gas fired, State SSD75NRT2, hot water heater (control building).



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