



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

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: December 29, 2022

Effective Date: December 29, 2022

Expiration Date: December 28, 2027

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: 59-00035

Natural Minor

Federal Tax Id - Plant Code: 20-3182146-1

Owner Information

Name: EMPIRE PIPELINE INC
Mailing Address: 6363 MAIN ST
WILLIAMSVILLE, NY 14221-5887

Plant Information

Plant: EMPIRE PIPELINE INC/JACKSON COMP STA
Location: 59 Tioga County 59919 Jackson Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: MICHAEL J BARBER
Title: ATTY-IN-FACT
Phone: (814) 871 - 8658 Email: BarberM@natfuel.com

Permit Contact Person

Name: EMILY EMMONS
Title: ENGINEER III
Phone: (716) 857 - 7742 Email: EmmonsE@NatFuel.com

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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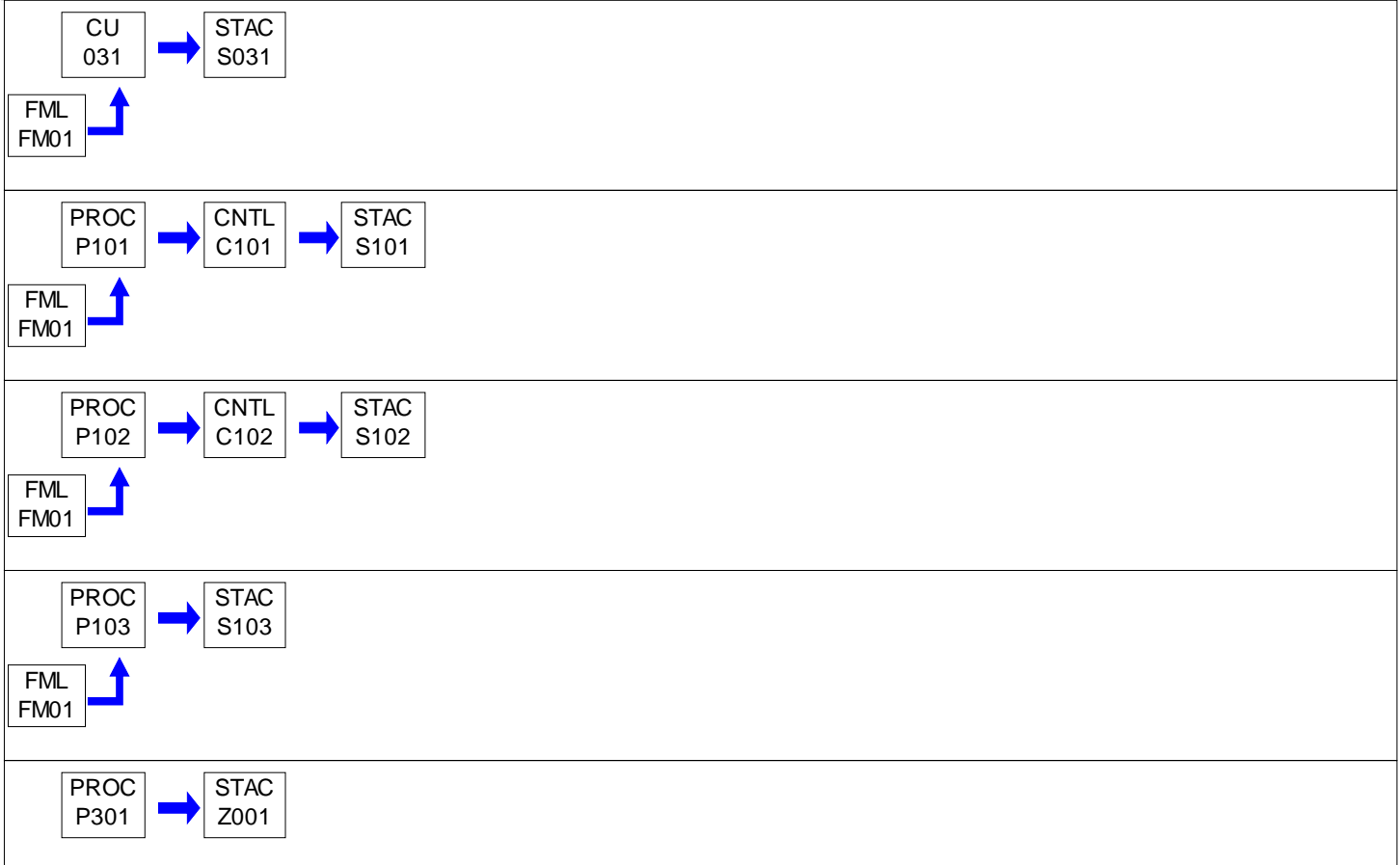
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	NATURAL GAS-FIRED HEATERS		
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P103	EMERGENCY GENERATOR ENGINE		
P301	STORAGE TANK		
P501	PNEUMATIC DEVICES		
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C101	OXIDATION CATALYST		
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FM01	NATURAL GAS PIPELINE		
S031	NATURAL GAS-FIRED HEATERS STACK		
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S102	COMPRESSOR TURBINE #2 STACK		
S103	EMERGENCY GENERATOR STACK		
Z001	FUGITIVE EMISSIONS		

PERMIT MAPS

**PERMIT MAPS**

PROC
P501 → STAC
Z001

PROC
P601 → STAC
Z001

PROC
P701 → STAC
Z001

PROC
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Z001

**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:

**SECTION B. General State Only Requirements**

- (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 § 127.11]**Reactivation**

(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

**SECTION B. General State Only Requirements**

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) Blasting in open pit mines. Emissions from drilling are not considered emission 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) At least ninety (90) days prior to the performance of any stack testing required by this permit, the permittee shall submit a pretest protocol to the Department for review via email at ra-epstacktesting@pa.gov and ra-epncstacktesting@pa.gov. This protocol shall contain a description of the proposed test methods and procedures and shall include dimensioned drawings or sketches showing the sampling port locations. This protocol shall also identify all air contaminant source and air cleaning device operating parameters to be monitored and recorded during the testing.

(b) The Department shall be given at least fourteen (14) days advance notice of the actual date(s) and time(s) on which testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper prior notification having been given.

(c) Within sixty (60) days of the completion of any stack testing required by this permit, the permittee shall submit a test report to the Department via email at ra-epstacktesting@pa.gov and ra-epncstacktesting@pa.gov. This report shall contain the results of the testing, a description of the test methods and procedures actually used for the performance of the testing, copies of all raw data, copies of all process data and control device operating data collected during the testing and a copy of all calculations generated during data analysis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 123.1, 123.31, 127.1, 127.12 and 40 CFR Section 60.5397a]

Within 180 days after the start-up of the air contamination sources at this facility, the permittee shall develop a leak detection and repair (LDAR) program and perform LDAR monitoring as specified in 40 CFR Section 60.5397a.

007 [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.

008 [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 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, which may effect 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,

**SECTION C. Site Level Requirements**

(6) Laboratory procedures and results,

(7) Calculated results.

III. MONITORING REQUIREMENTS.

009 [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.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect the presence of visible air contaminant emissions, visible fugitive air contaminant emissions and malodorous air contaminant emissions in excess of applicable emission limits.

(b) All visible air contaminant emissions, visible fugitive air contaminant emissions and malodorous air contaminant emissions observed to be in excess of an emission limit shall be reported to the manager of the facility at once.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall keep records of the weekly inspections required pursuant to this permit. The records shall include the name of the company representative performing each inspection, the date and time of each inspection, a description of any visible air contaminant emission, fugitive air contaminant emission or malodorous air contamination observed to be in excess of an emission limit, the name of the facility manager to whom notice of any observed excessive emission was given, a description of any corrective action taken to eliminate/reduce any observed excessive emission and the date and time any such corrective action taken.

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

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain a log for the results of each monthly AVO inspection, including date of each inspection performance and the name of the company representative performing the inspection.

(b) The permittee shall maintain all LDAR monitoring data, including calibration data, identification of leaking components, date of leak discovery, date of each attempted repair and date of final repair.

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

V. REPORTING REQUIREMENTS.

013 [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

**SECTION C. Site Level Requirements**

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.

(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.

014 [25 Pa. Code §135.3]

Reporting

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

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

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

VI. WORK PRACTICE REQUIREMENTS.

015 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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,

**SECTION C. Site Level Requirements**

- (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.**# 016 [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).

017 [25 Pa. Code §123.31]**Limitations**

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.

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

Sources at this facility are subject to Subpart OOOOa of the federal Standards of Performance for New Stationary Sources, 40 CFR Sections 60.5360a-60.5499a. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.5360a-60.5499a.

019 [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: 031

Source Name: NATURAL GAS-FIRED HEATERS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.22]

Combustion units

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO₂), into the outdoor atmosphere from each unit incorporated in Source 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.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use pipeline-quality, natural gas as fuel for each unit incorporated in Sources 031

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 031 consists of two (2) 0.50 million Btu per hour natural gas-fired heaters.

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: COMPRESSOR TURBINE #1

Source Capacity/Throughput:

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

[Compliance with this streamlined condition will assure compliance with the requirements of 25 Pa. Code Section 123.13]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission of particulate matter (PM/PM10/PM2.5) from the exhaust of Control Device C101 associated with Source P101 in excess of 0.01 grains per dry standard cubic foot of exhaust gas while operating in SoLoNOx mode.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of Control Device C101 associated with Source P101 in excess of the limitations listed below:

- (a) nitrogen oxides (NOx, expressed as NO2) – 12.50 tons in any 12 consecutive month period,
- (b) carbon monoxide (CO) – 7.71 tons in any 12 consecutive month period,
- (c) sulfur oxides (SOx, expressed as SO2) - 1.18 tons in any 12 consecutive month period,
- (d) particulate matter (PM/PM10/PM2.5) – 3.46 tons in any 12 consecutive month period,
- (e) total combined volatile organic compounds - 0.68 tons in any 12 consecutive month period,
- (f) non-methane, non-ethane hydrocarbons (NMNEHC) – 0.63 tons in any 12 consecutive month period,
- (g) formaldehyde – 0.05 tons in any 12 consecutive month period,

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

[Compliance with this streamlined condition assures compliance with the requirements of 25 Pa. Code Section 123.41]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee may not permit the emission of visible air contaminants from the exhaust of Control Device C101 associated with Source P101 into the outdoor atmosphere in such a manner that the opacity of the emission is equal to or greater than 10% at any time.

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

[Compliance with this streamlined condition will assure compliance with the NOx emission limitation of 25 ppm pursuant to 40 CFR Part 60 Subpart KKKK Section 60.4320(a)]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of Control Device C101 associated with Source P101 in excess of the limitations listed below while operating in SoLoNOx mode:

**SECTION D. Source Level Requirements**

- (1) nitrogen oxides (NO_x, expressed as NO₂) – 9 ppm corrected to 15% oxygen,
- (2) carbon monoxide (CO) – less than 2 ppm corrected to 15% oxygen,
- (3) total combined volatile organic compounds - 0.30 pounds per hour,
- (4) non-methane, non-ethane hydrocarbons (NMNEHC) – less than 1 ppm corrected to 15% oxygen,
- (5) formaldehyde – 0.04 pounds per hour.

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

[Compliance with this streamlined condition will assure compliance with the requirements of 25 Pa. Code Section 123.21]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission of sulfur oxides (SO_x, expressed as SO₂) from the exhaust of Control Device C101 associated with Source P101 in excess of 0.27 pounds per hour while operating in SoLoNO_x mode.

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

[Additional authority for this condition is derived from 40 CFR Sections 60.4330 and 60.4360]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use pipeline-quality, natural gas as fuel for Source P101 which has a maximum sulfur content equal to or less than 20 grains per 100 standard cubic foot.

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

(a) In addition to the EPA reference method testing required by this plan approval, every 2,500 hours of operation, the permittee shall perform periodic monitoring for NO_x and CO emissions to verify that the combustion turbine is in compliance with the BAT requirements established herein. If an EPA reference method test has been performed within 45 days prior to the scheduled periodic monitoring, the EPA reference method test may be used in lieu of the periodic monitoring for that time period.

(b) A portable gas analyzer shall 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 for NO_x and CO emissions using a portable analyzer, the permittee shall submit the results to the Department. The Department reserves the right to require performance tests in accordance with EPA reference test methods should the data from the portable analyzer warrant such tests.

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

{Additional authority for this condition is derived from 40 CFR Section 60.4340}

The permittee shall perform subsequent stack tests on Source P101 to determine the nitrogen oxide and carbon monoxide emission rates while operating at peak load on an approximate annual basis, but in each case, no less than 10 months and no more than 14 months following the previous test. Additionally, subsequent volatile organic compound and formaldehyde stack tests shall be performed on Source P101 while operating at peak load on a triennial basis, but in each case, no less than 34 months and no more than 38 months following the previous test.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) At least ninety (90) days prior to the performance of any testing required herein, the permittee shall submit a pretest protocol to the Department for review, via email to ra-epstacktesting@pa.gov and ra-epncstacktesting@pa.gov, in accordance with the provisions of 25 Pa. Code Chapter 139. The protocol shall describe the test methods and procedure to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also describe how the peak load and heat input will be determined during each test run, and also identify all other process data which will be monitored and recorded during testing including oxidation catalyst temperatures in addition to the appropriate operational parameters which will indicate SoLoNOx mode operation with description of basis for selecting the operational parameters and any target value.

(b) The Department shall be given at least 15 days advance notice of the scheduled dates for the performance of any testing required herein. The Department is under no obligation to accept the results of any testing performed without receipt of proper notification.

(c) Within sixty (60) days of the completion of any stack testing required herein, a test report shall be submitted to the Department, via email to ra-epstacktesting@pa.gov and ra-epncstacktesting@pa.gov, in accordance with the provision of 25 Pa. Code Chapter 139. This test report shall contain the results of the testing, a description of the test methods and procedures actually used in the performance of the tests, copies of all process data collected during the testing, copies of all raw test data and copies of all calculations generated during data analysis. The results of the testing shall be expressed in units which allow for a direct comparison and determination of compliance, with the air contaminant emissions limitations contained herein. Additionally, the permittee shall propose the ranges for oxidation catalyst temperatures that demonstrates compliance with the limitations described above, and shall propose the appropriate operational parameters ranges that will assure Source P101 is operating in SoLoNOx mode. Any proposed operational parameter range(s) shall be based on an engineering assessment of the shakedown/testing data and manufacturer's suggested ranges.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall equip Control Device C101 with instrumentation to monitor pressure drop and the inlet gas temperature of Control Device C101. The permittee shall monitor these parameters on a continuous basis.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source P101 shall be equipped with instrumentation to continuously monitor manufacturer's recommended, operational parameters which will indicate whether Source P101 is operating in a SoLoNOx mode.

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

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

(1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxide, and formaldehyde emission limitations for Control Device C101 associated with Source P101 in any 12 consecutive month period in both SoLoNOx and non-SoLoNOx operating modes.

(2) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations from Control Device C101 associated with Source P101.

(3) The pressure drop across and the inlet gas temperature of Control Device C101 on a continuous basis via a data acquisition system and shall compute the hourly averages.

**SECTION D. Source Level Requirements**

(4) The amount of fuel fired in Source P101

(5) The number of hours that Source P101 operated in startups and shutdowns on a monthly basis.

(6) The date and time of the monthly inspections, the identification of the inspector, what was inspected, the location of any observed fugitive volatile organic compound/volatile hazardous air pollutant emissions, identification of any corrective action taken to eliminate the observed fugitive emissions and the success, or failure, of the corrective action to eliminate the fugitive emissions.

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

V. REPORTING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The submission of all requests, reports, applications, submittals and other communications required by the Standards of Performance for New Stationary Sources, 40 CFR Part 60 Subpart KKKK, shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to:

R3_Air_Apps_and_Notices@epa.gov

and

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

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall submit semi-annual reports to the Department which included the following information:

(1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxide, and formaldehyde emission limitations for Control Device C101 associated with Source P101 in any 12 consecutive month period in both SoLoNOx and non-SoLoNOx operating modes.

(2) The number of hours that Source P101 operated in startups and shutdowns on a monthly basis.

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

VI. WORK PRACTICE REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall follow the manufacturer's recommended procedures of start-up and shut-down of Source P101.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P101 shall not be depressurized during normal shutdown. Blowdown of Source P101 system shall only occur during long term shutdown or for required maintenance or repair.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source P101 is a 10,727 bhp (site rated) Solar Taurus model 70 natural gas-fired turbine engine. Source P1101 shall incorporate SoLoNOx technology, cold weather logic and be equipped with an Advanced Catalyst Systems' ADVOCAT oxidation catalyst, or equivalent as approved by the Department, (Control Device C101) to control the air contaminant emissions. The permittee shall not operate Source P101 without the simultaneous operation of Control Device C101 at any time.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall perform inspections of Source P101, the associated compressor and associated piping, etc., at least once per month to verify compliance with fugitive emissions as specified in 25 Pa. Code Section 123.1.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall operate Source P101 in SoLoNOx mode at all times during normal operating conditions, except during start-ups and shutdowns and ambient condition less than -20°F for the operation of the engine in non-SoLoNOx mode.

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

Source P101 is subject to Subpart KKKK of the federal Standards of Performance for New Stationary Source, 40 CFR Sections 60.4300 through 60.4420. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.4300 through 60.4420

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

Source P101 shall be equipped with a direct-drive, alternating current (AC) electric start system.

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

Source P101 shall be equipped with a state-of-the-art torch igniter system to minimize the frequency of false starts.

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

Source P101 shall be equipped with pressure safety valves and the permittee shall replace any defective valves immediately upon detection.

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

Source P101 shall be configured to isolate the engine system from the remainder of the facility during blowdown without blowing down the entire facility.

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

Source P101 shall be equipped with a fully automated air/fuel ratio control system.

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: COMPRESSOR TURBINE #2

Source Capacity/Throughput:

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

[Compliance with this streamlined condition will assure compliance with the requirements of 25 Pa. Code Section 123.13]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission of particulate matter (PM/PM10/PM2.5) from the exhaust of Control Device C102 associated with Source P102 in excess of 0.01 grains per dry standard cubic foot of exhaust gas while operating in SoLoNOx mode.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of Control Device C102 associated with Source P102 in excess of the limitations listed below:

- (a) nitrogen oxides (NOx, expressed as NO2) – 12.50 tons in any 12 consecutive month period,
- (b) carbon monoxide (CO) – 7.71 tons in any 12 consecutive month period,
- (c) sulfur oxides (SOx, expressed as SO2) - 1.18 tons in any 12 consecutive month period,
- (d) particulate matter (PM/PM10/PM2.5) – 3.46 tons in any 12 consecutive month period,
- (e) total combined volatile organic compounds - 0.68 tons in any 12 consecutive month period,
- (f) non-methane, non-ethane hydrocarbons (NMNEHC) – 0.63 tons in any 12 consecutive month period,
- (g) formaldehyde – 0.05 tons in any 12 consecutive month period,

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

[Compliance with this streamlined condition assures compliance with the requirements of 25 Pa. Code Section 123.41]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee may not permit the emission of visible air contaminants from the exhaust of Control Device C102 associated with Source P102 into the outdoor atmosphere in such a manner that the opacity of the emission is equal to or greater than 10% at any time.

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

[Compliance with this streamlined condition will assure compliance with the NOx emission limitation of 25 ppm pursuant to 40 CFR Part 60 Subpart KKKK Section 60.4320(a)]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of Control Device C102 associated with Source P102 in excess of the limitations listed below while operating in SoLoNOx mode:

**SECTION D. Source Level Requirements**

- (1) nitrogen oxides (NO_x, expressed as NO₂) – 9 ppm corrected to 15% oxygen,
- (2) carbon monoxide (CO) – less than 2 ppm corrected to 15% oxygen,
- (3) total combined volatile organic compounds - 0.30 pounds per hour,
- (4) non-methane, non-ethane hydrocarbons (NMNEHC) – less than 1 ppm corrected to 15% oxygen,
- (5) formaldehyde – 0.04 pounds per hour.

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

[Compliance with this streamlined condition will assure compliance with the requirements of 25 Pa. Code Section 123.21]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission of sulfur oxides (SO_x, expressed as SO₂) from the exhaust of Control Device C102 associated with Source P102 in excess of 0.27 pounds per hour while operating in SoLoNO_x mode.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall perform inspections of Source P102, the associated compressor and associated piping, etc., at least once per month to verify compliance with fugitive emissions as specified in 25 Pa. Code Section 123.1.

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

[Additional authority for this condition is derived from 40 CFR Sections 60.4330 and 60.4360]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use pipeline-quality, natural gas as fuel for Source P102 which has a maximum sulfur content equal to or less than 20 grains per 100 standard cubic foot.

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

(a) In addition to the EPA reference method testing required by this plan approval, every 2,500 hours of operation, the permittee shall perform periodic monitoring for NO_x and CO emissions to verify that the combustion turbine is in compliance with the BAT requirements established herein. If an EPA reference method test has been performed within 45 days prior to the scheduled periodic monitoring, the EPA reference method test may be used in lieu of the periodic monitoring for that time period.

(b) A portable gas analyzer shall 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 for NO_x and CO emissions using a portable analyzer, the permittee shall submit the results to the Department. The Department reserves the right to require performance tests in accordance with EPA reference test methods should the data from the portable analyzer warrant such tests.

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

{Additional authority for this condition is derived from 40 CFR Section 60.4340}

**SECTION D. Source Level Requirements**

The permittee shall perform subsequent stack tests on Source P102 to determine the nitrogen oxide and carbon monoxide emission rates while operating at peak load on an approximate annual basis, but in each case, no less than 10 months and no more than 14 months following the previous test. Additionally, subsequent volatile organic compound and formaldehyde stack tests shall be performed on Source P101 while operating at peak load on a triennial basis, but in each case, no less than 34 months and no more than 38 months following the previous test.

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

(a) At least ninety (90) days prior to the performance of any testing required herein, the permittee shall submit a pretest protocol to the Department for review, via email to ra-epstacktesting@pa.gov and ra-epncstacktesting@pa.gov, in accordance with the provisions of 25 Pa. Code Chapter 139. The protocol shall describe the test methods and procedure to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also describe how the peak load and heat input will be determined during each test run, and also identify all other process data which will be monitored and recorded during testing including oxidation catalyst temperatures in addition to the appropriate operational parameters which will indicate SoLoNOx mode operation with description of basis for selecting the operational parameters and any target value.

(b) The Department shall be given at least 15 days advance notice of the scheduled dates for the performance of any testing required herein. The Department is under no obligation to accept the results of any testing performed without receipt of proper notification.

(c) Within sixty (60) days of the completion of any stack testing required herein, a test report shall be submitted to the Department, via email to ra-epstacktesting@pa.gov and ra-epncstacktesting@pa.gov, in accordance with the provision of 25 Pa. Code Chapter 139. This test report shall contain the results of the testing, a description of the test methods and procedures actually used in the performance of the tests, copies of all process data collected during the testing, copies of all raw test data and copies of all calculations generated during data analysis. The results of the testing shall be expressed in units which allow for a direct comparison and determination of compliance, with the air contaminant emissions limitations contained herein. Additionally, the permittee shall propose the ranges for oxidation catalyst temperatures that demonstrates compliance with the limitations described above, and shall propose the appropriate operational parameters ranges that will assure Source P101 is operating in SoLoNOx mode. Any proposed operational parameter range(s) shall be based on an engineering assessment of the shakedown/testing data and manufacturer's suggested ranges.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall equip Control Device C102 with instrumentation to monitor pressure drop and the inlet gas temperature of Control Device C102. The permittee shall monitor these parameters on a continuous basis.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source P102 shall be equipped with instrumentation to continuously monitor manufacturer's recommended, operational parameters which will indicate whether Source P102 is operating in a SoLoNOx mode.

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

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

(1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxide, and formaldehyde emission limitations for Control Device C102 associated with Source P102 in any 12 consecutive month period in both SoLoNOx and non-SoLoNOx operating modes.

(2) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile

**SECTION D. Source Level Requirements**

organic compound, and formaldehyde emission limitations from Control Device C102 associated with Source P102.

(3) The pressure drop across and the inlet gas temperature of Control Device C102 on a continuous basis via a data acquisition system and shall compute the hourly averages.

(4) The amount of fuel fired in Source P102

(5) The number of hours that Source P102 operated in startups and shutdowns on a monthly basis.

(6) The date and time of the monthly inspections, the identification of the inspector, what was inspected, the location of any observed fugitive volatile organic compound/volatile hazardous air pollutant emissions, identification of any corrective action taken to eliminate the observed fugitive emissions and the success, or failure, of the corrective action to eliminate the fugitive emissions.

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

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

The submission of all requests, reports, applications, submittals and other communications required by the Standards of Performance for New Stationary Sources, 40 CFR Part 60 Subpart KKKK, shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to:

R3_Air_Apps_and_Notices@epa.gov

and

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

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

(a) The permittee shall submit semi-annual reports to the Department which included the following information:

(1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxide, and formaldehyde emission limitations for Control Device C102 associated with Source P102 in any 12 consecutive month period in both SoLoNOx and non-SoLoNOx operating modes.

(2) The number of hours that Source P102 operated in startups and shutdowns on a monthly basis.

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

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall follow the manufacturer's recommended procedures of start-up and shut-down of Source P102.

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

Source P102 shall not be depressurized during normal shutdown. Blowdown of Source P101 system shall only occur

**SECTION D. Source Level Requirements**

during long term shutdown or for required maintenance or repair.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source P102 is a 10,727 bhp (site rated) Solar Taurus model 70 natural gas-fired turbine engine. Source P1101 shall incorporate SoLoNOx technology, cold weather logic and be equipped with an Advanced Catalyst Systems' ADVOCAT oxidation catalyst, or equivalent as approved by the Department, (Control Device C102) to control the air contaminant emissions. The permittee shall not operate Source P102 without the simultaneous operation of Control Device C102 at any time.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall operate Source P102 in SoLoNOx mode at all times during normal operating conditions, except during start-ups and shutdowns and ambient condition less than -20°F for the operation of the engine in non-SoLoNOx mode.

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

Source P102 is subject to Subpart KKKK of the federal Standards of Performance for New Stationary Source, 40 CFR Sections 60.4300 through 60.4420. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.4300 through 60.4420

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

Source P102 shall be equipped with a direct-drive, alternating current (AC) electric start system.

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

Source P102 shall be equipped with a state-of-the-art torch igniter system to minimize the frequency of false starts.

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

Source P102 shall be equipped with pressure safety valves and the permittee shall replace any defective valves immediately upon detection.

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

Source P102 shall be configured to isolate the engine system from the remainder of the facility during blowdown without blowing down the entire facility.

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

Source P102 shall be equipped with a fully automated air/fuel ratio control system.

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: EMERGENCY GENERATOR ENGINE

Source Capacity/Throughput:

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

[Compliance with this plan approval condition assures compliance with the emission limitations pursuant to 40 CFR Part 60 Subpart JJJJ Section 60.4233(c)]

The permittee shall not permit the following air contaminant emissions from Source P103 in excess of the limitations listed below:

- (a) nitrogen oxides (NO_x, expressed as NO₂) - 2.0 grams per brake-horsepower hour and 1.23 tons in any 12 consecutive month period,
- (b) carbon monoxide (CO) - 1.86 grams per brake-horsepower hour and 1.14 tons in any 12 consecutive month period,
- (c) total combined volatile organic compounds (VOC) - 0.93 grams per brake-horsepower hour and 0.57 tons in any 12 consecutive month period,

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

[Compliance with this streamlined condition will assure compliance with the requirements of 25 Pa. Code Section 123.21]

The permittee shall not permit the emission of sulfur oxides (SO_x, expressed as SO₂) from Source P103 in excess of 0.003 pounds per hour.

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

[Compliance with this streamlined condition will assure compliance with the requirements of 25 Pa. Code Section 123.13]

The permittee shall not permit the emission of particulate matter from Source P103 in excess of 0.01 grains per dry standard cubic foot of exhaust gas.

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

The permittee shall only use pipeline-quality, natural gas as fuel for Source P103.

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

[Additional authority for this plan approval condition is derived from 40 CFR Part 60 Subpart JJJJ Section 60.4243]

Source P103 is an emergency generator and shall not be operated greater than 500 hours in any 12 consecutive month period, to which Source P103 shall not be operated no more than 100 hours for non-emergency operation (i.e.

**SECTION D. Source Level Requirements**

maintenance checks and readiness testing) 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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P103 shall be equipped with a non-resettable hour meter to monitor the number of hours that the engine is operated.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) The number of hours that Source P103 is operated in both emergency and non-emergency situations on a monthly basis.

(2) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide and volatile organic compound emission limitations for Source P103 in any 12 consecutive month period.

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

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (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 P103 is a 1,114 brake-horsepower, Caterpillar model G3516, 4-stroke, lean burn (4SLB) natural gas-fired emergency generator engine.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

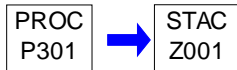
Source P103 is subject to the requirements of 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248. The permittee shall comply with all applicable requirements of Subpart JJJJ of the New Source Performance Standards (NSPS) for Source P103 as specified in 40 CFR Sections 60.4230 through 60.4248.

**SECTION D. Source Level Requirements**

Source ID: P301

Source Name: STORAGE TANK

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

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).

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

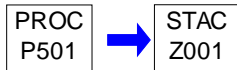
Source P301 is a 1,008-gallon waste fluid tank

**SECTION D. Source Level Requirements**

Source ID: P501

Source Name: PNEUMATIC DEVICES

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Part 60 Subpart OOOOa Section 60.5390a(c)(1)]

Each pneumatic controller incorporated in Source P501 shall have a bleed rate less than or equal to six (6) standard cubic feet per hour.

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.

[Additional authority for this permit condition is derived from 40 CFR Part 60 Subpart OOOOa Section 60.5420a(c)(4)]

(a) The permittee shall maintain records of the following:

(1) The month and year of installation, reconstruction, or modification, location in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983, identification information that allows traceability to the records required in section (a)(3) of this condition and manufacturer specifications for each pneumatic controller constructed, modified, or reconstructed.

(2) Records of the demonstration that the use of pneumatic controller affected facilities with a natural gas bleed rate greater than the applicable standard are required and the reasons why.

(3) For each instance where the pneumatic controller was not operated in compliance with the requirements specified in 40 CFR Part 60 Subpart OOOOa Section 60.5390a, a description of the deviation, the date and time the deviation began, and the duration of the deviation.

(b) All records generated pursuant to this condition shall be kept for a minimum of five (5) years and 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).

**SECTION D. Source Level 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.

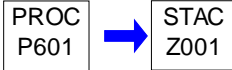
Source P501 is five (5) natural gas-driven pneumatic controllers.

**SECTION D. Source Level Requirements**

Source ID: P601

Source Name: VENTING/BLOWDOWN

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total combined fugitive emissions from Source P601 shall not equal or exceed 2.70 tons of volatile organic compounds in any 12 consecutive month period of which the emission of volatile hazardous air pollutants shall not equal or exceed 1.0 tons 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.

(a) The permittee shall keep records of the amount of fugitive volatile organic compounds and the amount of fugitive hazardous air pollutants emitted from each planned blowdown during each 12 consecutive month period.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform good operational practices for each planned or unplanned blowdown to minimize the amount of fugitive emissions.

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

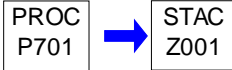
Source P601 is the planned blowdowns of the facility

**SECTION D. Source Level Requirements**

Source ID: P701

Source Name: FUGITIVE EMISSIONS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from the permittee requesting this elective limitation]

The total combined fugitive volatile organic compound emissions from Source P701 shall not exceed 9.66 tons in any 12 consecutive month period of which the emission of volatile hazardous air pollutants shall not exceed 1.0 tons 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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Section 60.5397a(c-g)]

{Compliance with the requirements in this condition will assure compliance with the requirements of 25 Pa. Code Section 123.1}

(a) The permittee shall perform a monthly Audio, Visual, Olfactory (AVO) inspection of the facility to determine any leaks that may occur during the inspection and repair leaks as soon as possible.

(b) The permittee shall perform a quarterly Leak Detection and Repair (LDAR) program.

(c) The LDAR program shall meet the applicable requirements of 40 CFR Part 60 Subpart OOOOa Section 60.5397a(c-g) and 40 CFR Part 60 Appendix A-7.

(d) The program is to be conducted on, but not limited to, valves, flanges, connectors, storage vessels/storage tanks and compressor seals in natural gas service.

(e) The permittee may request an extension of the deadline for repairs.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Section 60.5397a(h)]

{Compliance with the requirements in this condition will assure compliance with the requirements of 25 Pa. Code Section 123.1}

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

**SECTION D. Source Level Requirements**

(1) The date and time of the monthly Audio, Visual, Olfactory (AVO) inspections and any repairs that were conducted and any repairs that were conducted pursuant to the AVO inspections.

(2) The date and time of the quarterly Leak Detection and Repair (LDAR) inspections and any repairs that were conducted and any repairs that were conducted pursuant to the LDAR inspections.

(b) The permittee shall keep these records for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall, at the conclusion of each calendar month, calculate and record the amount of fugitive volatile organic compound and fugitive volatile hazardous air pollutant emissions which occurred at this facility during the 12 consecutive month period which ended on the last day of the respective month.

(b) The permittee shall keep a logbook of the following:

- (1) the date of each inspection,
- (2) initials of the person(s) conducting each inspection,
- (3) the date each leak is detected,
- (4) the specific location of the leak,
- (5) the repair performed to eliminate the leak,
- (6) the date the leak is repaired,
- (7) the action/inspection taken to determine that the leak is repaired, and
- (8) the initials of the person(s) repairing the leak.

(c) All records generated pursuant to this condition shall be retained for at least five (5) years and shall, along with any supporting data and calculations, be made available to the Department upon request.

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

By no later than March 1 of each year, the permittee shall submit to the Department all of the 12 consecutive month fugitive volatile organic compound emission values calculated for this facility during the prior calendar year.

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

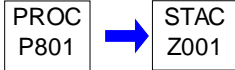
Source P701 consists of any component that has the potential to emit fugitive emissions of methane, volatile organic compounds or hazardous air pollutants, but not limited to valves, connectors, pressure relief device, open-ended lines, flanges, compressors, instruments, meters, covers and closed vent 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: P801

Source Name: PIGGING OPERATIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

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).

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

Source P801 is the Pigging Operations at the facility.

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

The permittee shall employ best management practices to minimize the liquids present in the pig receiver chamber and to minimize emissions from the pig receiver chamber including, but not limited to, installing liquids ramps, installing liquids drain, routing high-pressure chambers to a low-pressure line or vessel, using ball valve type chambers, or using multiple pig chambers.



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 has been determined to insignificant air contaminant emissions sources at this facility:

- (a) One (1) 1,008-gallon waste fluids tank



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