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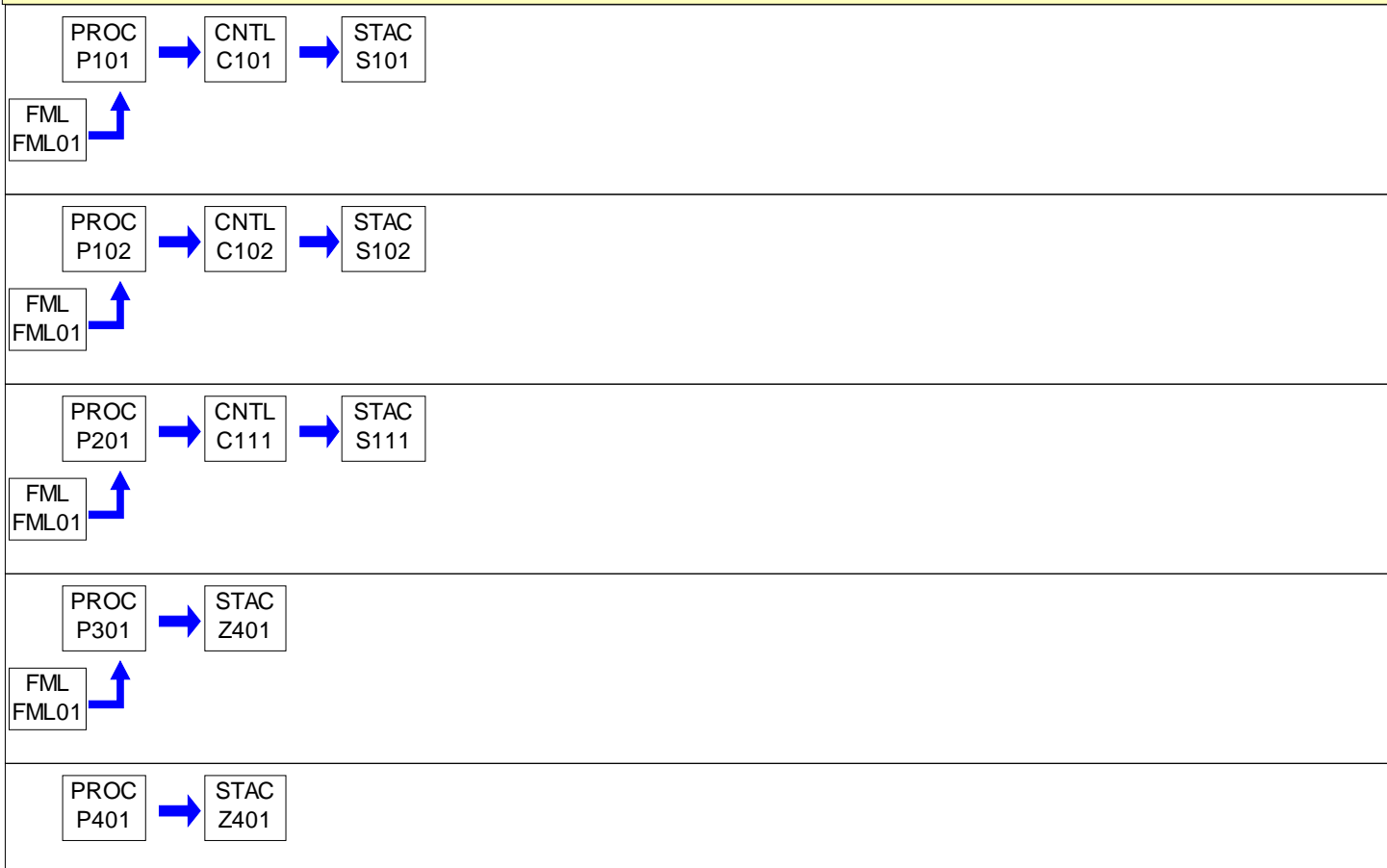
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
P101	2,370 BHP CAT. G3608 COMPRESSOR ENGINE 1		
P102	2,370 BHP CAT. G3608 COMPRESSOR ENGINE 2		
P201	EMERGENCY GENERATOR ENGINE		
P301	74 MMSCFD TRIETHYLENE GLYCOL DEHYDRATION UNIT		
P401	TANKS/VESSELS		
P501	PNEUMATIC DEVICES		
P701	FUGITIVES		
C101	OXIDATION CATALYST		
C102	OXIDATION CATALYST		
C111	NSCR UNIT		
FML01	NATURAL GAS		
S101	ENGINE 1 STACK		
S102	ENGINE 2 STACK		
S111	EMERGENCY GENERATOR ENGINE STACK		
Z401	DEHYDRATOR STACK		
Z501	PNEUMATIC DEVICES STACK		
Z701	FUGITIVES STACK		

PERMIT MAPS



PERMIT MAPS

PROC
P501 → STAC
Z501

PROC
P701 → STAC
Z701

**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:

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(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:

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- (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)

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

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

#015 [25 Pa. Code § 127.11a]**Reactivation of Sources**

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

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

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

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

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

#017 [25 Pa. Code § 121.9]**Circumvention.**

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

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

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

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

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)

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

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**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**

The permittee shall not permit the emission of fugitive air contaminants into the outdoor atmosphere from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (a) the emissions are of minor significance with respect to causing air pollution; and
- (b) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) in condition #001 above if the emissions are visible at the point the emissions pass outside the permittee's property.

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

The permittee shall not permit the emission of visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following:

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

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code Section 123.31]

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

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

(a) At least sixty (60) days prior to the performance of any stack testing required by this permit, the permittee shall submit two (2) copies of a pretest protocol to the Department for review. 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 two (2)

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copies of a test report to the Department. 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 §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 such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

007 [25 Pa. Code §139.11]**General requirements.**

(1) 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.

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

- (a) A thorough source description, including a description of any air cleaning devices and the flue.
- (b) Process conditions, for example, the charging rate of raw material or the rate of production of final product, boiler pressure, oven temperature and other conditions which may affect emissions from the process.
- (c) The location of the sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (e) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (f) Laboratory procedures and results.
- (g) Calculated results.

III. MONITORING REQUIREMENTS.**# 008 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

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

(1) The emissions data with supporting calculations on a monthly basis used to verify compliance with the combined, annual 12 consecutive month nitrogen oxide, volatile organic compound, and formaldehyde emissions limitations for all sources located at the Tioga Compressor Station.

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

010 [25 Pa. Code §135.5]**Recordkeeping**

(a) The permittee shall maintain such records including computerized records as may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21. These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and

**SECTION C. Site Level Requirements**

quantification of potential and actual air contaminant 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.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

(c) The report shall describe the following:

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

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

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

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

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

013 [25 Pa. Code §135.3]**Reporting**

(1) A person who owns or operates a source to which 25 Pa. Code Section 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 annual 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

**SECTION C. Site Level Requirements**

during the same period which were not previously reported.

(2) 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.

(3) 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.**# 014 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in (1) through (8) in condition #001 above. These actions shall include, but not be limited to, the following:

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

(2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

015 [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 Sections 123.1(a)(1) through (9).

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 through 4015).

017 [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: P101

Source Name: 2,370 BHP CAT. G3608 COMPRESSOR ENGINE 1

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 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the following air contaminant emissions from the exhaust of ID C101 associated with Source ID P101 in excess of the limitations listed below:

- (i) nitrogen oxides (NO_x, expressed as NO₂) - 0.50 gm/bhp-hr, 2.61 lb/hr and 11.44 tons in any 12 consecutive month period,
- (ii) carbon monoxide (CO) - 0.193 gm/bhp-hr, 1.01 lb/hr and 4.42 tons in any 12 consecutive month period,
- (iii) volatile organic compounds (VOC, expressed as NMNEHC) - 0.189 gm/bhp-hr, 0.99 lb/hr and 4.33 tons in any 12 consecutive month period,
- (iv) particulate matter (PM/PM₁₀) - 0.034 gm/bhp-hr, 0.18 lb/hr and 0.78 tons in any 12 consecutive month period,
- (v) formaldehyde (HCHO) - 0.028 gm/bhp-hr, 0.146 lb/hr and 0.64 tons in any 12 consecutive month period,
- (vi) sulfur oxides (SO_x, expressed as SO₂) - 0.002 gm/bhp-hr, 0.01 lb/hr and 0.05 tons in any 12 consecutive month period.

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

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

The permittee shall only use pipeline quality natural gas as fuel for Source ID P101.

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

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

ID C101 shall be capable of reducing the carbon monoxide, volatile organic compounds, and formaldehyde emissions by at least 93%, 70%, and 93% from the exhaust of Source ID P101.

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.4243(b)(2)((ii))]

**SECTION D. Source Level Requirements**

(a) The permittee shall perform subsequent performance tests on Source ID P101 to verify compliance with the nitrogen oxides, carbon monoxide, and volatile organic compound emissions limitations. The frequency of subsequent testing for Source ID P101 shall be every 8,760 hours of engine operation or every three (3) years (from the previous performance test date), whichever comes first.

(b) The subsequent performance testing shall be conducted in accordance with the testing requirements specified in the provisions of 60.4244 and the testing requirements specified herein under Section C, II. Testing Requirements.

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

(a) In addition to the stack testing required by this operating permit every 2,500 hours of operation and no sooner than forty-five (45) days from the previous test, the owner or operator shall perform periodic monitoring for NO_x and CO emissions on Source ID P101 to verify continued compliance for each of the engines in this plan approval which has a rated capacity greater than 500 brake horsepower and subjected to the BAT as stated in Section B, Conditions 1 and 2, herein. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department.

(b) The Department reserves the right to require stack tests on each engine in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

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

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

The permittee shall install, operate, and maintain instrumentation that continuously monitors the pressure differential across ID C101 and the inlet and outlet exhaust temperatures of ID C101.

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

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

(1) The emissions data with supporting calculations on a monthly basis used to verify compliance with the annual 12 consecutive month nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emissions limitations for Source ID P101.

(2) The inlet and outlet exhaust temperatures of ID C101 (1-hour averages) on a continuous basis via a data acquisition system.

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

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

[Additional authority for this permit condition is derived from 40 CFR Sections 60.4245(a) and 60.4243(b)(2)((ii))]

(a) The permittee shall keep accurate and comprehensive records of the following information for Source ID P101;

(1) All notifications submitted to comply with 40 CFR 60, Subpart JJJJ

(2) Maintenance Plan

(3) Records of conducted maintenance

**SECTION D. Source Level Requirements**

(4) Stack test reports that indicate each engine meets the limitations specified herein under I. Restrictions.

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

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (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.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) Source ID P101 is a 2,370 brake horsepower, Caterpillar model G3608 TALE natural gas-fired engine and shall incorporate "clean burn" electronic control system to control NOx emissions.

(b) The carbon monoxide, volatile organic compounds, and formaldehyde emissions from Source ID P101 shall be controlled by a GT Exhaust Systems, Inc. model 201 VO-6-300-5124 oxidation catalyst (or equivalent as determined by the Department), designated herein by ID C101 on the engine-compressor's outlet exhaust.

(c) The permittee shall not, at any time, operate Source ID P101 without the simultaneous operation of ID C101.

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.5385(a) and 25 Pa. Code Section 129.126(b)]

(a) The permittee shall replace the reciprocating compressor rod packing in Source P101 on or before 26,000 hours of operation or 36 months, whichever ever comes first.

(b) The number of hours of operation must be continuously monitored beginning on the later of:

(1) The date of the most recent reciprocating compressor rod packing replacement.

(2) December 10, 2022, for a reciprocating compressor rod packing that has not yet been replaced.

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

Source ID P101 is subject to the requirements of 40 CFR Part 60 Subpart OOOO Sections 60.5360 through 60.5430- Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart OOO Section 60.5360 through 60.5430.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****Am I subject to this subpart?**

Source ID P101 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 40 CFR Part 60 Subpart JJJJ Section 60 4230 through 60.4248.

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: 2,370 BHP CAT. G3608 COMPRESSOR ENGINE 2

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 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the following air contaminant emissions from the exhaust of ID C102 associated with Source ID P102 in excess of the limitations listed below:

- (i) nitrogen oxides (NO_x, expressed as NO₂) - 0.50 gm/bhp-hr, 2.61 lb/hr and 11.44 tons in any 12 consecutive month period,
- (ii) carbon monoxide (CO) - 0.193 gm/bhp-hr, 1.01 lb/hr and 4.42 tons in any 12 consecutive month period,
- (iii) volatile organic compounds (VOC, expressed as NMNEHC) - 0.189 gm/bhp-hr, 0.99 lb/hr and 4.33 tons in any 12 consecutive month period,
- (iv) particulate matter (PM/PM₁₀) - 0.034 gm/bhp-hr, 0.18 lb/hr and 0.78 tons in any 12 consecutive month period,
- (v) formaldehyde (HCHO) - 0.028 gm/bhp-hr, 0.146 lb/hr and 0.64 tons in any 12 consecutive month period,
- (vi) sulfur oxides (SO_x, expressed as SO₂) - 0.002 gm/bhp-hr, 0.01 lb/hr and 0.05 tons in any 12 consecutive month period.

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

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

The permittee shall only use pipeline quality natural gas as fuel for Source ID P102.

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

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

ID C101 shall be capable of reducing the carbon monoxide, volatile organic compounds, and formaldehyde emissions by at least 93%, 70%, and 93% from the exhaust of Source ID P102.

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

[Compliance with the requirements in this permit condition will assure compliance with the provision of 40 CFR Section 60.4243(b)(2)(ii)]

**SECTION D. Source Level Requirements**

(a) The permittee shall perform subsequent performance tests on each engine associated with Source ID P102 to verify compliance with the nitrogen oxides, carbon monoxide, and volatile organic compound emissions limitations.

(1) The frequency of subsequent testing for each engine shall be every 8,760 hours of engine operation or every three (3) years (from the previous performance test date), whichever comes first.

(2) The subsequent performance testing shall be conducted in accordance with the testing requirements specified in the provisions of 60.4244 and the testing requirements specified herein under Section C, II. Testing Requirements.

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

(a) In addition to the stack testing required by this operating permit every 2,500 hours of operation and no sooner than forty-five (45) days from the previous test, the owner or operator shall perform periodic monitoring for NO_x and CO emissions on Source ID P102 to verify continued compliance for each of the engines in this plan approval which has a rated capacity greater than 500 brake horsepower and subjected to the BAT as stated in Section B, Conditions 1 and 2, herein. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department.

(b) The Department reserves the right to require stack tests on each engine in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

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

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

The permittee shall install, operate, and maintain instrumentation that continuously monitors the pressure differential across ID C102 and the inlet and outlet exhaust temperatures of ID C102

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

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

(1) The emissions data with supporting calculations on a monthly basis used to verify compliance with the annual 12 consecutive month nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emissions limitations for Source ID P102.

(2) The inlet and outlet exhaust temperatures of ID C101 (1-hour averages) on a continuous basis via a data acquisition system to verify compliance with the operational parameter ranges established as required above under II. Testing Requirements.

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

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

[Additional authority for this permit condition is derived from 40 CFR Sections 60.4245(a) and 40 CFR 60.4243(b)(2)((ii))]

(a) The permittee shall keep accurate and comprehensive records of the following information for Source ID P102;

(1) All notifications submitted to comply with 40 CFR 60, Subpart JJJJ

**SECTION D. Source Level Requirements**

- (2) Maintenance Plan
- (3) Records of conducted maintenance
- (4) Stack test reports that indicate each engine meets the limitations specified herein under I. Restrictions.

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

V. REPORTING REQUIREMENTS.

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

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

(a) Source ID P102 is a 2,370 brake horsepower, Caterpillar model G3608 TALE natural gas-fired engine and shall incorporate "clean burn" electronic control system to control NOx emissions.

(b) The carbon monoxide, volatile organic compounds, and formaldehyde emissions from Source ID P102 shall be controlled by a GT Exhaust Systems, Inc. model 201 VO-6-300-5124 oxidation catalyst (or equivalent as determined by the Department), designated herein by ID C102 on the engine-compressor's outlet exhaust.

(c) The permittee shall not, at any time, operate Source ID P102 without the simultaneous operation of ID C102.

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

Source ID P102 is subject to the requirements of 40 CFR Part 60 Subpart OOOO Sections 60.5360 through 60.5430- Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart OOO Section 60.5360 through 60.5430.

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.5385(a) and 25 Pa. Code Section 129.126(b)]

(a) The permittee shall replace the reciprocating compressor rod packing in Source P102 on or before 26,000 hours of operation or 36 months, whichever ever comes first.

(b) The number of hours of operation must be continuously monitored beginning on the later of:

(1) The date of the most recent reciprocating compressor rod packing replacement.

(2) December 10, 2022, for a reciprocating compressor rod packing that has not yet been replaced.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Am I subject to this subpart?**

Source ID P102 is subject to the requirements of 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248. The

**SECTION D. Source Level Requirements**

permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart JJJJ Section 60.4230 through 60.4248.

**SECTION D. Source Level Requirements**

Source ID: P201

Source Name: EMERGENCY GENERATOR ENGINE

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The concentration of particulate matter in the exhaust of Source ID P201 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]**General**

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust from Source ID P201 shall not exceed 500 parts per million, by volume, dry basis.

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

[Additional authority for this permit condition is also derived from 40 CFR Section 60.4233(e)]

The permittee shall not permit the following air contaminant emissions from the exhaust of ID C201 associated with Source ID P201 in excess of the following limitations listed below:

(i) nitrogen oxides (NO_x, expressed as NO₂) - 2.0 grams per horsepower-hour

(ii) carbon monoxide (CO) - 4.0 grams per horsepower-hour

(ii) volatile organic compound (VOC, expressed as NMNEHC) - 1.0 gram per horsepower-hour

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

[Additional authority for this permit condition is also derived from 40 CFR Sections 60.4243(d) and 63.6645(f)]

The permittee shall limit the operation of the engine-generator associated with Source ID P201 to the requirements of 40 CFR Sections 60.4243(d) and 63.6645(f).

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

[Additional authority for this permit condition is derived from the permittee electing this voluntary limitation]

The permittee shall operate Source ID P201 no more than 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

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

Source ID P201 shall be equipped with a non-resettable hour meter which accurately measures the total engine run-time at all times.

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

(a) The permittee shall keep records of the following information relating to Source ID P201:

(i) The total hours of operation on a monthly basis

(ii) For each instance of operation, a statement that describes the reason for engine operation

(iii) All test reports and supporting calculations used to verify compliance with the nitrogen oxides, carbon monoxide, and volatile organic compounds emissions limitations of Source P201.

(b) All information generated to maintain the records above shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 40 CFR Section 60.4243(b)(2)(ii)]

The permittee shall maintain and operate Source ID P201 in a manner consistent with good air pollution control practice for minimizing emissions.

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

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

(a) Source ID P201 is a 690 brake horsepower, Caterpillar model G3412 TA 4-stroke, rich-burn emergency generator engine.

(b) ID C201 is a Johnson Matthey model BXX40D-CS-8, Non-selective Catalytic Reduction (NSCR) unit.

(c) The permittee shall not operate Source ID P201 without the simultaneous operation of ID C201.

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****Am I subject to this subpart?**

Source ID 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 40 CFR Part 60 Subpart JJJJ Section 60 4230 through 60.4248.

**SECTION D. Source Level Requirements**

Source ID: P301

Source Name: 74 MMSCFD TRIETHYLENE GLYCOL DEHYDRATION UNIT

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of Source ID P301 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust of Source ID P301 shall not exceed 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall not permit the following air contaminant emissions from the exhaust of Source ID P301 in excess of the limitations listed below:

- (a) The volatile organic compounds emissions from Source ID P301 shall not exceed 4.51 tons in any 12 consecutive month period.
- (b) The total hazardous air pollutant (BTEX) emissions from Source ID P301 shall not exceed 3.73 tons in any 12 consecutive month period.
- (c) The nitrogen oxide emissions from Source ID P301 shall not exceed 0.49 tons in any 12 consecutive month period.
- (d) The carbon monoxide emissions from Source ID P301 shall not exceed 0.41 tons in any 12 consecutive month period.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall only use natural gas as fuel for Source ID P301.

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level 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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall keep comprehensive and accurate records of the following for Source ID P301:

- (1) The number of hours per calendar year that Source ID P301 is operated.
- (2) The amount of fuel used per calendar year in Source ID P301.
- (3) The supporting calculations on a monthly basis used to verify compliance with the volatile organic compound and hazardous air pollutant emission limitation for Source ID P301 in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc or Bryan Research & Engineering's ProMax reports that utilize analyses accurately representative of the gas being processed by Source ID P301.
- (4) The actual throughput per day and the glycol circulation rate for Source ID P301.

(b) 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.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

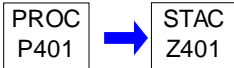
Source ID P301 consists of one natural gas dehydration unit rated at 74 million standard cubic feet per day equipped with a 1.15 million Btu per hour natural gas-fired reboiler.

**SECTION D. Source Level Requirements**

Source ID: P401

Source Name: TANKS/VESSELS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

The permittee shall not store any liquid containing volatile organic compounds (VOC) with a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions in the storage tanks incorporated in Source ID P401 unless the tank is equipped with a pressure relief valve which is maintained in good operating condition and which is set to release at no less than 0.7 psig of pressure or 0.3 psig of vacuum, or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

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 a record of the vapor pressure of the VOC containing materials stored in each storage tank incorporated in Source ID P401 unless the tank is equipped with a pressure relief valve.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source ID P401 consists eleven (11) storage tanks as follows:

(a) One (1) 8,820 gallon, process fluids tank,

**SECTION D. Source Level Requirements**

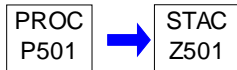
- (b) One (1) 2,100-gallon, process fluids tank,
- (c) One (1) 4,000-gallon, used oil tank,
- (d) Two (2) 2,000-gallon, new oil tanks,
- (e) One (1) 2,000-gallon, new MEG tank,
- (f) One (1) 2000-gallon, used MEG tank,
- (g) One (1) 2,000-gallon, new TEG tank,
- (h) One (1) 2,000-gallon, used TEG tank,
- (i) One (1) 5,000-gallon process fluids tank.
- (j) (i) One (1) 10,000-gallon process fluids tank.

**SECTION D. Source Level Requirements**

Source ID: P501

Source Name: PNEUMATIC DEVICES

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 P501 consists of six (6) continuous bleed natural gas-driven pneumatic controllers.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.124(c)(1)]

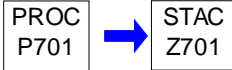
The permittee shall maintain a bleed rate for each natural gas-driven, continuous bleed pneumatic controller incorporated in Source P501 of less than or equal to 6.0 standard cubic feet per hour of natural gas.

**SECTION D. Source Level Requirements**

Source ID: P701

Source Name: FUGITIVES

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.127(e)]

(a) The permittee shall perform a monthly Audio, Visual and Olfactory (AVO) inspection on the entire facility separated by at least 15 days but not more than 45 days from the previous inspection.

(b) The permittee shall perform a quarterly Leak Detection and Repair (LDAR) inspection on the entire facility separated by at least 60 days but no more than 120 calendar days from the previous inspection using one of the following methods:

- (1) OGI equipment
- (2) A gas leak detector that meets the requirements of EPA Method 21.
- (3) Another leak detection method approved by the Department.

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

[additional authority for this permit condition is derived from 25 Pa. Code Section 129.130(g)]

(a) The permittee shall keep records of the following information for each Leak Detection and Repair (LDAR) inspection and must include the following:

- (1) The facility name and location
- (2) The date, start time and end time of the survey
- (3) The name of the equipment operator performing the survey.
- (4) The monitoring instrument used
- (5) The ambient temperature, sky conditions and maximum wind speed at the time of the survey
- (6) Each deviation from the monitoring plan or statement that there were none
- (7) Documentation of each fugitive emission including:
 - (i) The identification of each component from which the fugitive emissions were detected
 - (ii) The instrument reading of each fugitive emission component that meets the definition of a leak under 25 Pa. Code Section 129.112(a)
 - (iii) The repair methods applied in each attempt to repair the component
 - (iv) The tagging or digital photographing of each component not repaired during the monitoring surveying which the fugitive emissions were discovered
 - (v) The reason the a component was placed on delay of the repair
 - (vi) The date of the successful repair of the component

**SECTION D. Source Level Requirements**

(vii) If the repair of the component was not completed during the monitoring survey in which the fugitive emissions were discovered, the information on the instrumentation or method used to resurvey the component after repair.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P701 are the fugitive emissions from the facility.



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 air contaminant sources are considered to be insignificant emission sources and have been determined to be exempt from permit requirements. This determination does not however exempt the sources from the need to comply with all applicable federal regulations and all applicable regulations specified in 25 Pa. Code Chapters 121-145:

- Four (4) Engine Oil Tanks, 300 gallons each



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