



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: April 25, 2019

Effective Date: April 25, 2019

Expiration Date: April 24, 2024

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: 66-00013

Federal Tax Id - Plant Code: 23-2800541-3

Owner Information

Name: UGI ENERGY SVC LLC
Mailing Address: 1 MERIDIAN BLVD STE 2C01
WYOMISSING, PA 19610-3230

Plant Information

Plant: UGI/ MANNING COMPRESSOR LNG STA
Location: 66 Wyoming County 66922 Washington Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: DANTE D'ALESSANDRO
Title: DIR PROJECT MANG
Phone: (610) 373 - 7999

Permit Contact Person

Name: AMBER HOLLY
Title: PROJECT MGR
Phone: (610) 373 - 7999 Ext.1172

[Signature] _____
MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.

Section C. Site Level State Only Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level State Only Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

Section E. Source Group Restrictions

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements

SECTION A. Table of Contents

- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

Section G. Emission Restriction Summary

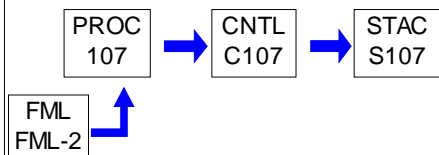
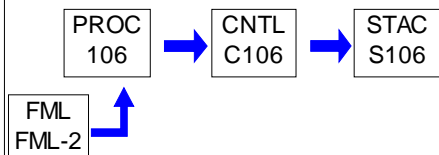
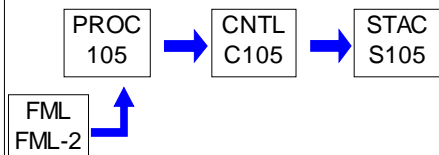
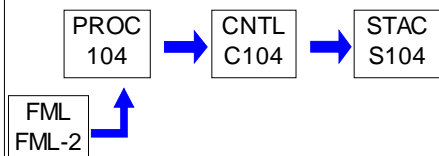
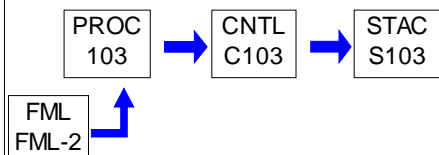
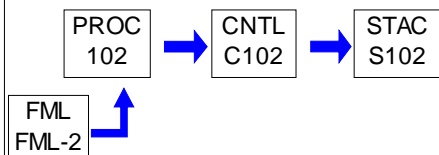
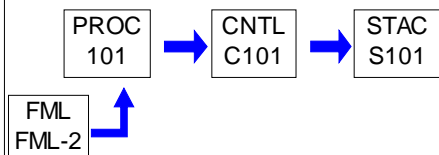
Section H. Miscellaneous

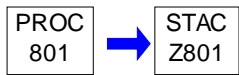
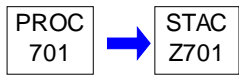
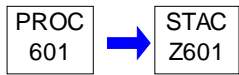
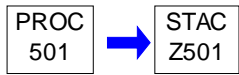
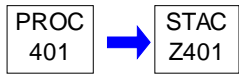
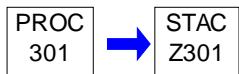
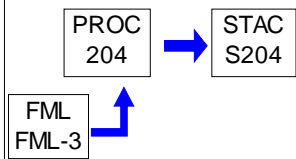
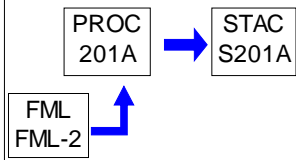
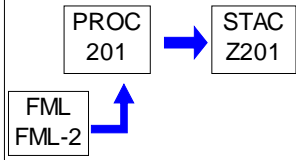
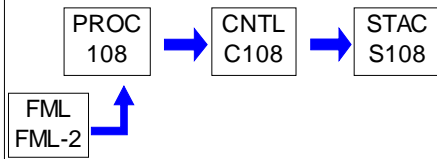
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	CAT 3516B ENGINE #1		
102	CAT 3516B ENGINE #2		
103	CAT 3516B ENGINE #3		
104	CAT 3516B ENGINE #4		
105	CAT 3516B ENGINE #5		
106	CAT 3516B ENGINE #6		
107	CAT 3516B ENGINE #7		
108	CAT 3516B ENGINE #8		
201	HEATERS/REBOILERS		
201A	ONE (1) SOLAR TAURUS TURBINE	60.580 MMBTU/HR	
204	EMERGENCY GENERATORS		
301	5000 GAL COND STORAGE TANK		
401	DEHYDRATOR UNIT 1		
501	PNEUMATIC DEVICES		
601	VENTING/BLOWDOWNS		
701	FUGITIVES		
801	PIGGING OPERATIONS		
C101	OXIDATION CATALYST		
C102	OXIDATION CATALYST		
C103	OXIDATION CATALYST		
C104	OXIDATION CATALYST		
C105	OXIDATION CATALYST		
C106	OXIDATION CATALYST		
C107	OXIDATION CATALYST		
C108	OXIDATION CATALYST		
FML-2	NATURAL GAS		
FML-3	DIESEL		
S101	ENGINE #1 STACK		
S102	ENGINE #2 STACK		
S103	ENGINE #3 STACK		
S104	ENGINE #4 STACK		
S105	ENGINE #5 STACK		
S106	ENGINE #6 STACK		
S107	ENGINE #7 STACK		
S108	ENGINE #8 STACK		
S201A	STACK TURBINE		
S204	STACK EMERGENCY GENERATORS		
Z201	HEATERS/REBOILERS STACK		
Z301	FUGITIVE TANK EMISSIONS		
Z401	DEHYDRATOR UNIT 1 STACK		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z501	PNEUMATIC DEVICES STACK		
Z601	VENTING/BLOWDOWNS STACK		
Z701	FUGITIVES STACK		
Z801	PIGGING OPERATIONS STACK		

PERMIT MAPS

PERMIT MAPS

**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]**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 and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (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 fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

SECTION B. General State Only Requirements

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#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

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (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]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

SECTION B. General State Only Requirements

significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make 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 make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#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 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).

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

If, at any time, the Department has cause to believe that air contaminant emissions from the sources covered by this operating permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the company shall conduct tests deemed necessary by the Department. The company shall perform such testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the company is notified, in writing, of the testing requirement.

006 [25 Pa. Code §139.1]**Sampling facilities.**

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

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

- (a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at

SECTION C. Site Level Requirements

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,
- (6) Laboratory procedures and results,
- (7) Calculated results.

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

Visible emissions may be measured using either of the following:

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

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

(a) The permittee shall conduct a monthly 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. If no air contamination source is operated during a calendar month, then no inspection for that calendar month is required.

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

(a) The permittee shall keep records of the monthly inspections required pursuant to this operating 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. If no inspection is conducted during a calendar month, the records shall indicate that no inspection was conducted because no air contamination sources were operated during that calendar month.

(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.

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

(a) All records required must be maintained onsite or at the nearest local field office for a minimum of 5 years and may be maintained in electronic format.

(b) The owner or operator of the facility shall keep records of all written notifications required under permit conditions.

**SECTION C. Site Level Requirements****# 012 [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 Section 135.3. These may include records of production, fuel usage, equipment maintenance or other information determined by the Department to be necessary for the identification and quantification of air contaminant emissions.
- (b) All records generated pursuant to this permit 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 permittee shall notify the DEP Northeast Regional Office (Department) by telephone within twenty-four (24) hours of the discovery of any malfunction at this facility, or any malfunction of air pollution control equipment associated with this facility, which results in, or may possibly be resulting in, the emission of air contaminants in excess of any applicable limitation specified herein. Following the telephone notification, a written notice shall also be submitted to the Department as specified below:

- (a) If the permittee is unable to provide notification by telephone to the Department within twenty-four (24) hours of discovery of a malfunction due to a weekend or holiday, the notification shall be made to the Department by no later than 4 p.m. on the first business day for the Department following the weekend or holiday.
- (b) Any malfunction that poses an imminent danger to the public health, safety, welfare, or environment shall be reported by telephone to the Department and the County Emergency Management Agency immediately after the discovery of an incident. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) business days of the telephone report.
- (c) Other malfunctions shall be reported to the Department, in writing, within five (5) business days of malfunction discovery.

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

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

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

The owner or operator of the facility shall submit to the Air Program Manager of the appropriate DEP Regional Office an annual certification of compliance with the terms and conditions in this Operating Permit for the previous year, including the emission limitations, standards, or work practices. This Compliance Certification Form must be included in the annual report as outlined in Site Level Condition #016(c)(vi).

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

- (a) The owner or operator of a natural gas compressor station, processing plant, or transmission station shall submit to the Air Program Manager of the appropriate DEP Regional Office all requests, reports, applications, submittals, and other communications concerning applicable federal NSPS and NESHAP.
- (b) In accordance with 40 CFR §§ 60.4 and 63.10, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

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

**SECTION C. Site Level Requirements**

(c) The annual report is required to be submitted either in electronic format, by hand-delivery, courier, or sent by certified mail, return receipt requested, to the Air Program Manager of the appropriate DEP Regional Office, the reporting period specified by the owner/operator shall be no later than one year from the start of operations of the facility, unless otherwise approved by the Department. The initial and subsequent annual reports shall be submitted within 60 days of the end of the reporting periods. General information required on all reports includes:

- (i) Company Name;
- (ii) Facility Site Name;
- (iii) The Operating Permit authorization number;
- (iv) Either:
 - (A) The address of the site; or
 - (B) A description of the site and the location using latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of 5 decimal degrees using the North American Datum of 1983;
- (v) The beginning and ending dates of the reporting period;
- (vi) The Certification Form described in Site Level Condition #015, which must include:
 - (A) The statement: "Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete."; and
 - (B) The signature of the certifying Responsible Official;
- (vii) Identification of each source included in the report; and
- (viii) The identification of each term or condition of the Operating Permit that is the basis of the certification, the compliance status, and the methods used for determining the compliance status of the source, currently and over the reporting period

(d) In accordance with 25 Pa. Code § 135.3, the owner or operator of a facility shall submit to the Department via AES*Online or AES*XML at www.depgreenport.state.pa.us/ by March 1st of each year, a facility inventory report for the preceding calendar year for all sources regulated under this Operating Permit. The inventory report shall include all emissions information for all sources operated during the preceding calendar year from the annual report required in (c) above. Emissions data including, but not limited to, the following shall be reported:

- (i) NOX;
- (ii) CO;
- (iii) SOX;
- (iv) PM10;
- (v) PM2.5;
- (vi) VOC;
- (vii) Speciated HAP including, but not limited to, benzene, ethyl benzene, formaldehyde, n-hexane, toluene, isomers and mixtures of xylenes, and 2,2,4-trimethylpentane;
- (viii) Total HAP;
- (ix) CO2;
- (x) CH4; and
- (xi) N2O.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]**Subpart A - General Provisions****Address.**

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) shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to:

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

and

The Pennsylvania Department of Environmental Protection
 Air Quality Program Manager

**SECTION C. Site Level Requirements**

2 Public Square
Wilkes-Barre PA 18711

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]**Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

The submission of all requests, reports, applications, submittals and other communications required by the National Emissions Standards for Hazardous Air Pollutants (40 CFR Part 63) shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to:

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

and

The Pennsylvania Department of Environmental Protection
Air Quality Program Manager
2 Public Square
Wilkes-Barre pa 18711

VI. WORK PRACTICE REQUIREMENTS.**# 019 [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,
- (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.**# 020 [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).

021 [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.

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

(a) It is the duty of the Responsible Official, as defined in 25 Pa. Code § 121.1, to ensure that the facility is in compliance with all applicable federal, state, and local laws and regulations, including 25 Pa. Code, Subpart C, Article III. Nothing in this Operating Permit relieves the Responsible Official from this obligation to comply.

(b) Applicable federal regulations may include, but are not limited to, the following New Source Performance Standards

**SECTION C. Site Level Requirements**

(NSPS), codified at 40 CFR Part 60 and incorporated by reference in 25 Pa. Code § 122.3, and National Emission Standards for Hazardous Air Pollutants (NESHAP), codified at 40 CFR Part 63 and incorporated by reference in 25 Pa. Code § 127.35:

- (i) 40 CFR Part 60, Subpart KKK – Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants for which Construction, Reconstruction, or Modification Commenced After January 20, 1984, and on or before August 23, 2011.
- (ii) 40 CFR Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.
- (iii) 40 CFR Part 60, Subpart KKKK – Standards of Performance for Stationary Combustion Turbines.
- (iv) 40 CFR Part 60, Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution for which Construction, Modification, or Reconstruction Commenced after August 23, 2011, and on or before September 18, 2015.
- (v) 40 CFR Part 60, Subpart OOOOa – Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced after September 18, 2015.
- (vi) 40 CFR Part 63, Subpart HH – National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities.
- (vii) 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines.

023 [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: 101

Source Name: CAT 3516B ENGINE #1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 102

Source Name: CAT 3516B ENGINE #2

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

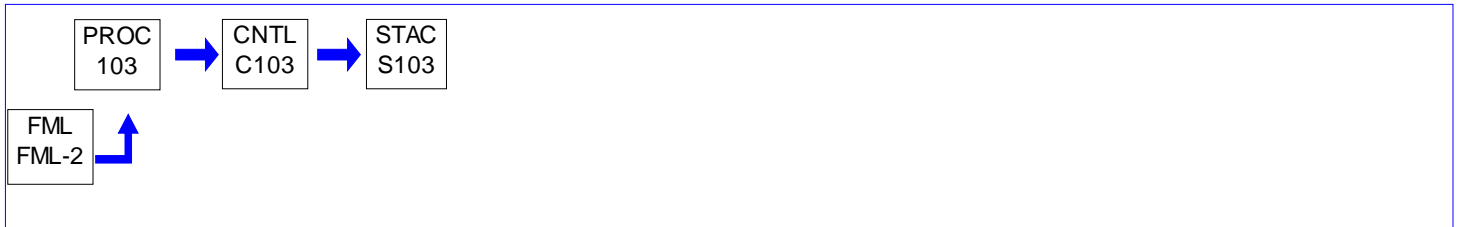
SECTION D. Source Level Requirements

Source ID: 103

Source Name: CAT 3516B ENGINE #3

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: CAT 3516B ENGINE #4

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

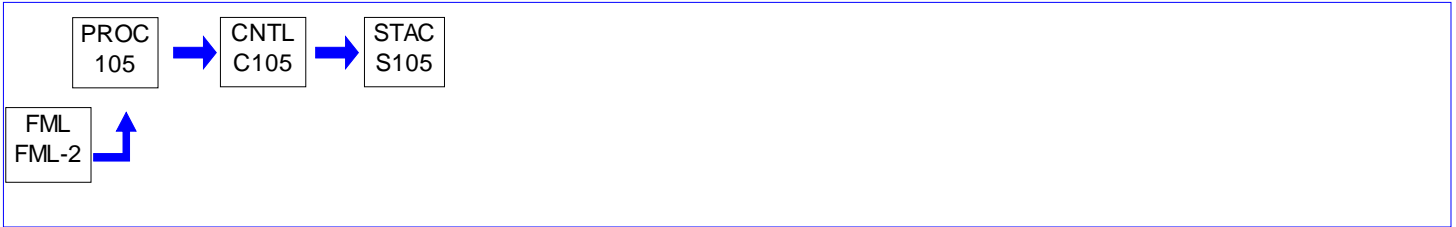
SECTION D. Source Level Requirements

Source ID: 105

Source Name: CAT 3516B ENGINE #5

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

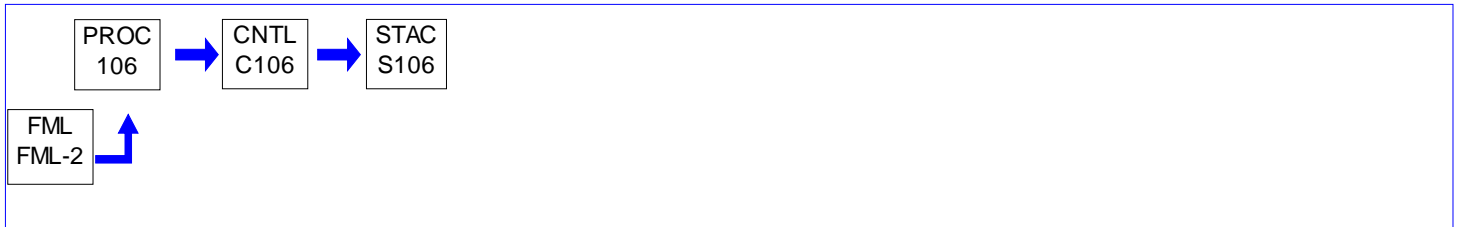
SECTION D. Source Level Requirements

Source ID: 106

Source Name: CAT 3516B ENGINE #6

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 107

Source Name: CAT 3516B ENGINE #7

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 108

Source Name: CAT 3516B ENGINE #8

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 201

Source Name: HEATERS/REBOILERS

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.

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

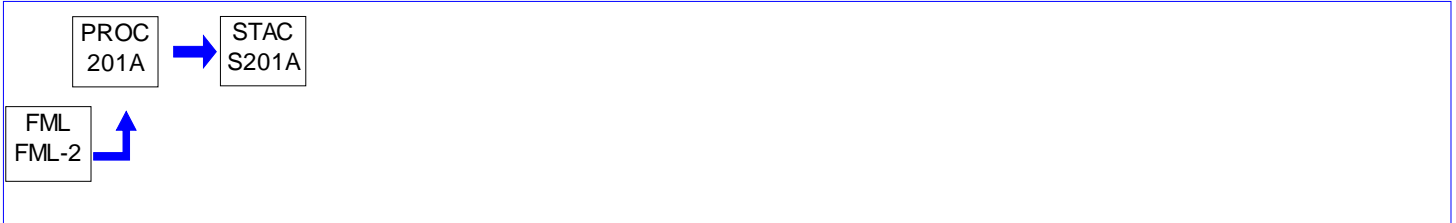
SECTION D. Source Level Requirements

Source ID: 201A

Source Name: ONE (1) SOLAR TAURUS TURBINE

Source Capacity/Throughput: 60.580 MMBTU/HR

Conditions for this source occur in the following groups: GROUP #1

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 204

Source Name: EMERGENCY GENERATORS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee shall not permit the emission into the outdoor atmosphere of sulfur oxides from the source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 204 consist of:

SECTION D. Source Level Requirements

Two (2) 762 BHP diesel-fired Caterpillar Model C15-DM8155 emergency engines. One emergency engine was manufactured and installed in 2012 for the compressor station, and one was manufactured and installed in 2013 for the LNG facility.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 204 emergency generators are subject to NSPS 40 CFR Part 60 Subpart IIII and shall comply with all applicable requirements as specified in 40 CFR Sections 60.4200 through 60.4219.

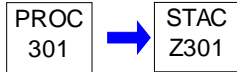
SECTION D. Source Level Requirements

Source ID: 301

Source Name: 5000 GAL COND STORAGE TANK

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #4

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION D. Source Level Requirements

Source ID: 401 Source Name: DEHYDRATOR UNIT 1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #2



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

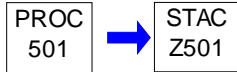
SECTION D. Source Level Requirements

Source ID: 501

Source Name: PNEUMATIC DEVICES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #6

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

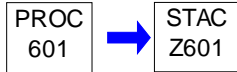
SECTION D. Source Level Requirements

Source ID: 601

Source Name: VENTING/BLOWDOWNS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #5

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

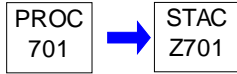
**SECTION D. Source Level Requirements**

Source ID: 701

Source Name: FUGITIVES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #5

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

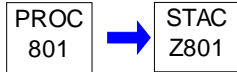
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 801 Source Name: PIGGING OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP #7

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP #1

Group Description: COMPRESSOR TURBINE

Sources included in this group

ID	Name
201A ONE (1)	SOLAR TAURUS TURBINE

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

Emissions from each turbine since startup, including emissions during operating under sub zero temperature conditions, start-ups and shutdowns shall not exceed the following limits during any consecutive 12-month rolling period:

Pollutant Emission Limits in tons per year (12 month rolling sum) for the turbine:

NOx 13.40

CO 13.58

VOC 0.78

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

In accordance with 25 Pa. Code §§ 127.1 and 127.12(a)(5), visible emissions from the turbine shall not exceed either of the following limitations:

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

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

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

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

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

Pursuant to Best Available Technology (BAT) requirement of Chapter 127.12 (a)(5) the facility is subject to the following air contaminant emission limitations from the turbine during normal operation.

NOx - 1-hour average - 15 PPMVD @ 15 % O₂CO - 1-hour average - 25 PPMVD @ 15 % O₂VOC - 1-hour average - 2.5 PPMVD @ 15 % O₂

Normal operation defined as operation at temperatures of 0 deg F or higher and turbine load of 50 to 100% of max load.

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

Pursuant to Best Available Technology (BAT) requirement of Chapter 127.12 (a)(5) the facility is subject to the following air contaminant emission limitations from the turbine during normal operation.

VOC - 0.18 lb/hr

Normal operation defined as operation at temperatures of 0 deg F or higher and turbine load of 50 to 100% of max load.

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

The combustion turbines shall combust only pipeline quality natural gas as a fuel.

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

The emission limitations specified in this section of this Permit shall apply at all times except during periods of start-up and shut-down, provided, however, that the duration of start-up and shut-down do not exceed thirty (30) minutes per occurrence. The turbine shall be operated in a manner consistent with good air pollution control practices for minimizing emissions, at all times, including periods of startup, shutdown, and malfunction. The emissions from start-up and shut-down shall be included in the 12-month rolling sum of emissions. The owner or operator of a turbine shall comply with all applicable startup and shut-down requirements in accordance with 40 CFR Part 60, Subpart KKKK.

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

The permittee shall conduct a performance test to demonstrate compliance with the NO_x, CO, and VOC emission limits at least every five (5) years from the date of the most recent valid compliance demonstration, utilizing methods approved by the Department.

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

The owner or operator of any source subject to performance testing requirements in this Permit shall comply with the following:

- (a) Within one hundred eighty (180) calendar days after the initial startup of the turbine, the owner or operator shall demonstrate compliance with the applicable emission limits and furnish the Department a written report of the result of such performance test.
- (b) At least thirty (30) calendar days prior to commencing an emission testing program to demonstrate compliance required by this General Permit, a Test Protocol shall be submitted to the Department's Division of Source Testing and Monitoring and the appropriate DEP Regional Office for review and approval. The Test Protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual. The emissions testing shall not commence prior to receipt of a protocol acceptance letter from the Department.
- (c) At least fifteen (15) calendar days prior to commencing an emission testing program to demonstrate compliance required by this General Permit, written notification of the date and time of testing shall be provided to the Department's appropriate Regional Office. Notification, in writing, shall also be sent to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring, so that an observer may be present. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing.
- (d) Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program to demonstrate compliance required by this General Permit, if a complete test report has not yet been submitted, an electronic notification shall be sent to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.
- (e) A complete test report shall be submitted to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring and the appropriate Regional Office no later than sixty (60) calendar days after completion of the on-site testing portion of an emission test program required by this General Permit.
- (f) The complete test report shall include a summary of the emission results at the beginning of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

**SECTION E. Source Group Restrictions.**

- (i) A statement that the owner or operator has reviewed the report from the emissions testing company and agrees with the findings;
 - (ii) Permit number(s) and condition(s) that are the basis for the evaluation;
 - (iii) A summary of results with respect to each applicable permit condition; and
 - (iv) A statement of compliance or non-compliance with each applicable permit condition.
- (g) All submittals with the exception of periodic monitoring data shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(h) All testing with the exception of periodic monitoring shall be performed in accordance with any applicable federal regulations (such as New Source Performance Standards), 25 Pa. Code, Chapter 139, and the current revision of the Department's Source Testing Manual or an alternative test method as approved by the Department. The owner or operator of the facility shall use the following federal reference methods or alternative test methods approved, in writing, by the Department to demonstrate compliance:

40 CFR Part 60, Appendix A, Method 5 and EPA Test Method 202 shall be used to determine the Total Particulate Matter emissions.

40 CFR Part 60, Appendix A, Method 7E shall be used to determine the nitrogen oxide (NOx) emissions.

40 CFR Part 60, Appendix A, Method 10 shall be used to determine the carbon monoxide (CO) emissions.

40 CFR Part 60 Methods 25A and 18 or 40 CFR Part 60 Method 25A and 40 CFR Part 63 Method 320 shall be used to determine the Non-Methane Non- Ethane Hydrocarbon (NMNEHC) emissions.

(i) Reports, protocols and test completion notification with the exception of periodic monitoring data shall be submitted through PSIMS*Online available through www.depgreenport.state.pa.us/ecom/Login.jsp. If internet submittal is not feasible, copies of the submittal shall be sent to the appropriate Pennsylvania Department of Environmental Protection Regional Office and to the attention of the Department's Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachel Carson State Office Building, Harrisburg, PA 17105-8468, with deadlines verified through document postmarks.

(j) The owner or operator shall ensure that all applicable federal reporting requirements are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between federal and state laws and regulation, the owner or operator shall comply with the most stringent provision, term, condition, method or rule.

(k) If, at any time, the Department has notified the owner or operator that the air contaminant emissions from the source operating under this General Permit are, or may be, in excess of any applicable air contaminant emission limitation, the owner or operator shall conduct source tests deemed necessary by the Department to determine the actual air contaminant emission rate. The testing shall be conducted in accordance with the applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) as well as in accordance with any additional requirements or conditions established by the Department at the time the owner or operator is notified, in writing, of the need to conduct testing.

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

Actions Related to Noncompliance Demonstrated by a Stack Test:

(a) If the results of a stack test, performed as required by this operating permit, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

**SECTION E. Source Group Restrictions.**

(b) If the results of the required stack test exceed any limit defined in this operating permit, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the operating permit may be grounds for immediate revocation of the operating permit to operate the affected source.

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

(a) For a new or reconstructed turbine, within one hundred eighty (180) calendar days after initial start-up or re-authorization of this Permit, the owner or operator shall perform source testing on each affected turbine for NO_x, CO, NMNEHC, Total Particulate Matter, and furnish the Department a written report of the results of such performance testing. Turbine testing load conditions shall be within 10 percent of the 100% peak or the highest achievable load. The source testing shall be conducted in accordance with the requirements specified in Conditions of this Section in this Permit.

(b) In addition to the source testing required by this condition, annually (12 months) and no sooner than 10 calendar months from the previous test, the owner or operator shall perform periodic monitoring for NO_x and CO emissions to verify that the turbine is in compliance with the BAT requirements established in this Permit for turbines. If a Department-approved test has been performed within 45 calendar days prior to the scheduled periodic monitoring, this test may be used in lieu of the periodic monitoring for that time period.

A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three 20-minute test runs. The Department may alter the frequency of portable analyzer tests based on the results. The portable gas analyzer shall be maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department. The Department may also waive all or parts of this requirement if the owner or operator demonstrates compliance, in lieu of testing, through alternate means satisfactory to the Department.

(c) Within thirty (30) calendar days after the completion of periodic monitoring, the owner or operator shall submit the results to the appropriate DEP Regional Office. The Department reserves the right to require source tests in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

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

(a) The company shall monitor the sulfur content of the natural gas used in the turbine by either:

(1) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, has potential sulfur emissions of less than less than 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input.

(b) Representative fuel sampling data which shows that the sulfur content of the fuel does not exceed 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of 40 CFR Part 75 Appendix D is required.

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

The turbine combustion temperature and gas producer speed of the turbines shall be continuously monitored.

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

A continuous monitoring system shall be installed and operated to monitor and record the fuel consumption and hours of operation. This system shall be accurate to within plus or minus 5 percent.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The owner or operator of a turbine shall comply with the notification, reporting, and recordkeeping requirements specified in 40 CFR §§ 60.4245 and 63.6645.
- (b) Reports shall be submitted to DEP in accordance with the requirements and schedules outlined in this Permit.
- (c) The records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The owner or operator shall record each start-up and shutdown, including date and times of each event, for the combustion turbine.

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

- (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit. The file shall include, but not be limited to: all air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this plan approval. All measurements, records and other data required to be maintained by the company shall be retained for at least five (5) years following the date on which such measurements, records or data are recorded.
- (b) The company shall maintain following records:
- (1) The records shall provide sufficient data to clearly demonstrate that all the requirements of this operating permit conditions are met.
 - (2) Monthly fuel consumption rate and 12-month rolling total fuel consumption, total heat input for the combustion turbine.
 - (3) The supporting calculations used to verify the sulfur oxides, particulate matter, GHGs and volatile organic compounds emission limitations.
 - (4) The emission of nitrogen oxide, carbon monoxide GHGs and nonmethane nonethane hydrocarbon on a monthly basis and calculations to verify compliance with the nitrogen oxide, carbon monoxide and nonmethane hydrocarbon emission limitations in any 12 - consecutive month period.
 - (5) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

- (a) The company shall notify the Department at (570) 826-2511, within twenty-four (24) hours of discovery of any malfunction of, or damage to, source(s) or associated air cleaning device(s) which result in, or may possibly be results in, the emissions in excess of the limitations specified in this Operating Permt or any applicable Department Rule or Regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection. Due to a weekend or holiday, the notification shall be made to the Department by no later than 4 p.m. on the first business day for the Department following the weekend or holiday.
- (b) A written report shall be submitted to the Department within five (5) working days following the incident describing the malfunctions and corrective actions taken. The Department may take enforcement actions for any violations of the applicable standards.
- (c) Any changes in the location of the aforementioned source, or any changes in the process or control equipment would be consider a modification and would require the submittal of an amended application for plan approval in accordance with the provisions of 25 PA Code 127.11 and 127.12.

**SECTION E. Source Group Restrictions.**

(d) These sources are subject to the New Source Performance Standards, 40 CFR Part 60, Subpart KKKK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements as specified in 40 CFR Part 60, Subpart KKKK.

40 CFR §60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Air Protection Division
US EPA, Region III
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103

(e) Any notification as a result of any condition herein should be directed to:

Air Quality Program Manager
Department of Environmental Protection
2 Public Square
Wilkes-Barre, Pa 18701-1915

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

(a) The permittee shall submit annual reports to the Department on the following information for the source:

(1) The emission of carbon monoxide (CO), nitrogen oxides (NO_x, expressed as NO₂), GHGs and VOCs on a monthly basis and calculations to verify compliance with the carbon monoxide (CO), nitrogen oxides (NO_x expressed as NO₂), and VOC emission limitations in any 12 consecutive month period.

(2) The number of hours operated on a monthly basis.

(3) The amount of fuel consumed per month.

(b) The annual reports 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.**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The aforementioned source(s) may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective operating permit and the application(s) submitted for said operating permit (as approved by the Department), and in accordance with any conditions set forth herein.

(b) The company shall perform adjustment and/or tune-up on the combustion process as per manufacturer specifications. The source shall be operated and maintained in accordance with the manufacturers specification and with good air pollution control practices.

(c) The company shall maintain and operates the air pollution control equipment and source in accordance with good engineering practice.

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

The combustion turbines shall employ a lean-premixed dry low emissions system, process control (currently SoLoNO_x), to control NO_x emissions.

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

(a) In accordance with 25 Pa. Code §§ 127.1 and 127.12(a)(5), the owner or operator of a new or reconstructed turbine shall install, maintain, and operate the turbine and associated air pollution control equipment in accordance with manufacturer's

**SECTION E. Source Group Restrictions.**

specifications.

(b) The owner or operator shall maintain comprehensive, accurate records of number of hours per month that each turbine operated using a non-resettable hour meter, amount of each fuel that is used per month, date construction began, date of initial startup, date testing is required, parameters required to be tested, and date testing was performed for each turbine.

(c) The owner or operator of any turbine shall comply with the applicable monitoring requirements specified in 40 CFR §§ 60.4335 through 60.4370.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP #2

Group Description: GP-5 SECTION B. GLYCOL DEHYDRATION UNITS

Sources included in this group

ID	Name
401	DEHYDRATOR UNIT 1

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

1. BAT Compliance Requirements

(a) Not applicable.

(b) For each glycol dehydration unit constructed and authorized to operate on or after February 2, 2013, but prior to August 8, 2018, with a total uncontrolled potential VOC emission rate of greater than 5 tpy, the owner or operator shall control VOC emissions from the glycol dehydrator still vent stream by at least 95% with a condenser, flare, thermal oxidizer, vapor recovery unit, or other air cleaning device approved by the Department that meets the applicable requirements in Section J of GP-5.

(c) Not applicable.

(d) Associated equipment, such as natural gas-driven pneumatic controllers (Section H of GP-5), natural gas-driven pneumatic pumps (Section I of GP-5), and fugitive emissions components (Section G of GP-5) are subject to the requirements of their respective Sections.

(e) If any glycol dehydration unit uses triethylene glycol for the dehydration process, has a natural gas throughput greater than 3 MMscf/d, and emits more than 1 tpy of benzene, the owner or operator must:

(i) Determine the natural gas throughput in accordance with 40 CFR § 63.772(b)(1).

(ii) Determine the actual average benzene or benzene, toluene, ethylbenzene and xylene (BTEX) emissions in accordance with 40 CFR § 63.772(b)(2).

(iii) If the glycol dehydration unit is located at a facility located within an urbanized area plus offset or urban cluster boundary, the owner or operator shall meet the requirements of 40 CFR § 63.764(d)(1).

(iv) If the glycol dehydration unit is located at a facility that is not within an urbanized area plus offset or urban cluster boundary, the owner or operator shall meet the requirements of 40 CFR § 63.764(d)(2).

(v) If an alternate circulation rate is required, the determination must be submitted in accordance with 40 CFR § 63.764(d)(2)(ii).

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).

SECTION E. Source Group Restrictions.**IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

2. Recordkeeping Requirements

For each glycol dehydration unit, the owner or operator shall maintain the following records in accordance with Site Level Condition #011, including information on:

- (a) The location of the glycol dehydration unit;
- (b) The calculation for the optimum glycol circulation rate or the alternative glycol circulation rate in accordance with 40 CFR § 63.775(c)(7), if applicable;
- (c) The determination of the actual average benzene or BTEX emissions in accordance with 40 CFR § 63.774(d)(1), if applicable;
- (d) The emissions calculations for each glycol dehydrator in accordance with 25 Pa. Code § 135.5; and
- (e) Records of deviations and malfunctions in accordance with 40 CFR § 63.774(g), if applicable.

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

3. Reporting Requirements

In the required annual report of Site Level Condition #016(c), the information about each glycol dehydration unit operated during the reporting period shall include:

- (a) The records of the optimum or alternative glycol circulation rate in accordance with 40 CFR § 63.775(c)(7), if applicable; and
- (b) The records of any deviations and malfunctions in accordance with 40 CFR § 63.775(c)(6), if applicable.

The emissions from each glycol dehydration unit operated during the reporting period must be included in the emissions inventory report of Site Level Condition #016(d).

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.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP #3

Group Description: GP-5 SECTION C. INTERNAL COMBUSTION ENGINES; AND SECTION D. RECIPROCATING C

Sources included in this group

ID	Name
101	CAT 3516B ENGINE #1
102	CAT 3516B ENGINE #2
103	CAT 3516B ENGINE #3
104	CAT 3516B ENGINE #4
105	CAT 3516B ENGINE #5
106	CAT 3516B ENGINE #6
107	CAT 3516B ENGINE #7
108	CAT 3516B ENGINE #8
C101	OXIDATION CATALYST
C102	OXIDATION CATALYST
C103	OXIDATION CATALYST
C104	OXIDATION CATALYST
C105	OXIDATION CATALYST
C106	OXIDATION CATALYST
C107	OXIDATION CATALYST
C108	OXIDATION CATALYST

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

1. BAT Compliance Requirements

(a) Not applicable.

(b) For each natural gas-fired spark ignition internal combustion engine constructed and authorized to operate under GP-5 approved by the Department on or after February 2, 2013, but prior to August 8, 2018, the owner or operator shall:

(i) Ensure the engine does not exceed the emissions standards specified as follows:

For Lean-Burn Engine Type > 500 rated bhp:

0.50 g/bhp-h NOX,
 47 ppmvd CO @ 15% O2 or 93% reduction CO,
 0.25 g/bhp-h NMNEHC (as propane) excluding HCHO, and
 0.05 g/bhp-h HCHO

(ii) Ensure the engine meets the applicable requirements of (d) below.

(c) Not applicable.

(d) The owner or operator of the engine shall also:

(i) Not applicable.

(ii) Ensure the engine meets the visible emissions standards, as determined by the methods described in 25 Pa. Code § 123.43, by not exceeding the following limitations:

(A) Equal to or greater than 10% for a period or periods aggregating more than three minutes in any one hour; and

**SECTION E. Source Group Restrictions.**

(B) Equal to or greater than 30% at any time

(iii) Install, operate, and maintain a non-resettable hour meter;

(iv) Limit the engine's time spent at idle during startup or shutdown to a period appropriate for the operation of the engine and air pollution control equipment consistent with good air pollution control practices, not to exceed 30 minutes, during which time the emissions standards in (b) through (d) do not apply.

(v) Conduct performance tests and periodic monitoring for the engine as detailed in Conditions 4 and 5 of this section on the following schedule:

For engine size hp >500 and not subject (d)(i):

Initial Compliance Performance Test within 180 days of startup of the engine,

Continuous Compliance Performance Test every 8,760 hours of operation or every three years and within 180 days of each reauthorization, and

Periodic Monitoring every 2,500 hours of operation.

(A) Not applicable.

(B) For an engine greater than 500 hp, if the engine is certified by the manufacturer in accordance with 40 CFR Part 60, Subpart JJJJ and the owner or operator operates and maintains the engine in accordance with the manufacturer's instructions, the continuous compliance performance testing requirements every 8,760 hours of operation or every three years are waived.

(C) The Department may alter the frequency of periodic monitoring based on the test results. The frequency of periodic monitoring may be altered upon request of the owner or operator with written Departmental approval.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

1. BAT Compliance Requirements

The owner or operator of a reciprocating compressor must meet the applicable requirements of 40 CFR § 60.5385 or 40 CFR § 60.5385a.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

4. Engine Performance Testing Requirements

(a) When conducting a performance test for an engine, the owner or operator must submit the test protocol described in Section A. Condition 14(f) of GP-5 for review and approval.

(b) The owner or operator should conduct the following test procedures:

(i) Conduct three test runs of at least one hour duration within 10% of 100% peak (or the highest achievable) load.

(ii) Select the sampling port location and the number and location of traverse points at the exhaust using 40 CFR Part 60, Appendix A-1, Method 1 or 1A depending on stack diameter, or the sampling points selected according to 40 CFR Part 60, Appendix A-4, Method 7E Section 8.1.2.

(iii) Determine the effluent characteristics by either:

(A) Calculating the exhaust flow in accordance with 40 CFR Part 60, Appendix A-7, Method 19 and measuring the O₂

**SECTION E. Source Group Restrictions.**

concentration using 40 CFR Part 60, Appendix A-2, Method 3A; or

(B) By measuring:

(1) The flow velocity, stack temperature, static pressure, and barometric pressure using 40 CFR Part 60, Appendix A-1, Method 2 or 2C depending on stack diameter;

(2) The gas density using 40 CFR Part 60, Appendix A-2, Method 3A; and

(3) The moisture content using 40 CFR Part 60, Appendix A-3, Method 4.

(iv) Simultaneous to the determination of the O₂ concentration in (iii)(A) or (B) above, determine:

(A) The NO_x concentration of the exhaust gas using 40 CFR Part 60, Appendix A-4, Method 7E;

(B) The CO concentration of the exhaust gas using 40 CFR Part 60, Appendix A-4, Method 10;

(C) The NMNEHC concentration, as propane, excluding formaldehyde of the exhaust gas using ALT-106; and

(D) The formaldehyde concentration of the exhaust gas, if applicable, using 40 CFR Part 63, Appendix A, Method 320.

(c) If at any time the owner or operator operates the engine in excess of the highest achievable load plus 10%, the owner or operator must perform a stack test within 180 days from the anomalous operation.

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.**5. Engine Periodic Monitoring Requirements**

(a) When conducting periodic monitoring on an engine, the owner or operator may follow the procedures in (b) below. If the owner or operator decides to deviate from those procedures, they must submit a request to use an alternate procedure, in writing, at least 60 days prior to performing the periodic monitoring. In the alternate procedure request, the owner or operator must demonstrate the alternate procedure's equivalence to the standard procedure to the satisfaction of the Division of Source Testing and Monitoring.

(b) Standardized Periodic Monitoring Procedure.

(i) Conduct three test runs of at least 20 minutes duration within 10% of 100% peak (or the highest achievable) load.

(ii) Determine NO_x and CO emissions and O₂ concentrations in the exhaust with either an electro-chemical cell portable gas analyzer used and maintained in accordance with the manufacturer's specifications and following the procedures specified in the current version of ASTM D6522 or by following the procedures in 4(b) (ii) – (iv) (A) and (B) of this section.

(iii) If the measured NO_x or CO emissions concentrations are in exceedance of the emissions limit, the owner or operator must perform a stack test in accordance with the Performance Testing Requirements of Condition 4 within 180 days of the periodic monitoring.

(c) The 2,500 hours of operation count resets after any performance test performed in accordance with Condition 4 above.

(d) For engines constructed (as defined in that subpart) prior to June 12, 2006, that installed a continuous parametric monitoring system (CPMS) to monitor the catalyst inlet temperature, the owner or operator must install, operate, and maintain the CPMS according to 40 CFR § 63.6625(b)(1) through (6).

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.**2. Recordkeeping Requirements**

For each engine, the owner or operator shall maintain the following records in accordance with Site Level Condition #011,

**SECTION E. Source Group Restrictions.**

including information on:

- (a) The GP-5 authorization number and the date each engine was authorized for use;
- (b) The make, model, and serial number of each engine;
- (c) Either a copy of the manufacturer's maintenance instructions or an alternative maintenance plan;
- (d) Records of maintenance conducted on each engine and any installed air pollution control devices;
- (e) A copy of the manufacturer's engine certification or vendor guarantees;
- (f) The results of each periodic monitoring;
- (g) The summary for each complete test report described in Section A Condition 14(i) of GP-5; and
- (h) The emissions calculations for each engine in accordance with 25 Pa. Code § 135.5.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.****2. Recordkeeping Requirements**

For each reciprocating compressor, the owner or operator shall maintain records in accordance with Site Level Condition #011 and 40 CFR § 60.5420(c)(3) or § 60.5420a(c)(3) as applicable.

In addition, the emissions calculation for each reciprocating compressor must be kept in accordance with 25 Pa. Code § 135.5.

V. REPORTING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.****3. Reporting Requirements**

The emissions from each natural gas-fired spark ignition internal combustion engine operated during the reporting period must be included in the emissions inventory report of Site Level Condition #016(d).

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.****3. Reporting Requirements**

In the required annual report of Site Level Condition #016(c), the information about each reciprocating compressor operated during the reporting period shall be submitted in accordance with 40 CFR § 60.5420(b)(4) or § 60.5420a(b)(4) as applicable.

The emissions from each reciprocating compressor operating during the reporting period must be included in the emissions inventory report of Site Level Condition #016(d), including the emissions from scheduled and unscheduled blowdowns.

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.**

Source ID 101-105 consists of:

**SECTION E. Source Group Restrictions.**

Five (5) 1380 BHP natural gas-fired, four-stroke lean-burn, Caterpillar Model G3516B LE engines, manufactured in 2012, installed 6/2013. (GP5-66-001)

Source ID 106-108 consists of:

Three (3) 1380 BHP natural gas-fired, four-stroke lean-burn, Caterpillar Model G3516B LE engines, manufactured in 2013, installed 6/2014. (GP5-66-005)

**SECTION E. Source Group Restrictions.**

Group Name: GROUP #4

Group Description: GP-5 SECTION E. STORAGE VESSELS

Sources included in this group

ID	Name
301	5000 GAL COND STORAGE TANK

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

1. BAT Compliance Requirements

(a) For each storage vessel constructed and authorized to operate on or after August 23, 2011, but prior to August 8, 2018, the owner or operator shall meet the applicable requirements of 40 CFR §§ 60.5365(e) and 60.5395(d) and (e).

(b) Not applicable.

(c) Any storage vessel returned to service must meet the requirements of 40 CFR § 60.5395(f) or § 60.5395a(c).

(d) Any storage vessel with a capacity greater than or equal to 2,000 gallons and less than or equal to 40,000 gallons must meet the requirements of 25 Pa. Code § 129.57.

(e) Not applicable.

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.**

2. Recordkeeping Requirements

For each storage vessel, the owner or operator shall maintain records in accordance with Site Level Condition #011 and 40 CFR § 60.5420(c)(5) or § 60.5420a(c)(5) as applicable.

In addition, the emissions calculation for each storage vessel, which may be calculated using Department-approved methods such as direct measurement; modeling programs such as the most recent version of EPA TANKS, ProMax, and API E&P Tanks; process simulation software such as HYSIM, HYSIS, WINSIM, and PROSIM; or calculation methodologies such as the Vazquez-Beggs equation, must be kept in accordance with 25 Pa. Code § 135.5.

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

3. Reporting Requirements

In the required annual report of Site Level Condition #016(c), the information about each storage vessel operated during the reporting period shall be submitted in accordance with 40 CFR § 60.5420(b)(6) or § 60.5420a(b)(6) as applicable. The emissions from each storage vessel operating during the reporting period must be included in the emissions inventory

SECTION E. Source Group Restrictions.

report of Site Level Condition #016(d).

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.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP #5

Group Description: GP-5 SECTION G. FUGITIVE EMISSIONS COMPONENTS

Sources included in this group

ID	Name
601	VENTING/BLOWDOWNS
701	FUGITIVES

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.****1. BAT Compliance Requirements**

(a) For each fugitive emissions component constructed and authorized to operate under GP-5 approved by the Department on or after February 2, 2013, but prior to August 8, 2018, the following applies:

(i) The owner or operator of the natural gas compression and/or processing facility shall, at a minimum, on a monthly basis perform a leak detection and repair program that includes audible, visual, and olfactory (AVO) inspections.

(ii) Within 180 days after the initial startup of a source, the owner or operator of the facility shall at a minimum, on a quarterly basis, use forward looking infrared (FLIR) cameras or other leak detection monitoring devices approved by the Department for the detection of fugitive leaks. The Department may grant an extension for use of FLIR camera upon receipt of a written request from the owner or operator of the facility documenting the justification for the requested extension.

(iii) If any leak is detected, the owner or operator of the facility shall repair the leak as expeditiously as practicable, but no later than fifteen (15) calendar days after the leak is detected, except as provided in 40 CFR §§ 60.482-60.489. The owner or operator shall record each leak detected and the associated repair activity. The records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

(b) Not applicable.

(c) The Department determined that the VOC and methane emissions remaining after the implementation of BAT requirements, including LDAR, are of minor significance with regard to causing air pollution, and will not, on their own, be preventing or interfering with the attainment or maintenance of an ambient air quality standard.

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.****2. Recordkeeping Requirements**

For fugitive emissions components, the owner or operator shall maintain the following records in accordance with Site Level Condition #011, including information on:

(a) The fugitive emissions monitoring plan in accordance with 40 CFR § 60.5397a(b) through (d).

(b) Records of each monitoring survey which must include:

**SECTION E. Source Group Restrictions.**

- (i) The facility name and location;
- (ii) The GP-5 authorization number;
- (iii) The date, start time, and end time of the survey;
- (iv) The name of the operator(s) performing the survey;
- (v) The monitoring instrument used;
- (vi) The ambient temperature, sky conditions, and maximum wind speed at the time of the survey;
- (vii) Any deviations from the monitoring plan or a statement that there were none; and
- (viii) Documentation of each fugitive emission including:
 - (A) The identification of each component from which fugitive emissions were detected;
 - (B) The instrument reading of each fugitive emissions component that meets the leak definition in Condition 1(b)(iv)(C) of this section;
 - (C) The status of repair of each component including:
 - (1) The repair methods applied in each attempt to repair the component;
 - (2) The tagging or digital photographing of each component not repaired during the monitoring survey in which the fugitive emissions were discovered;
 - (3) The reasons a component was placed on delay of repair;
 - (4) The date of successful repair of the component; and
 - (5) The information on the instrumentation or method used to resurvey the component after repair, if it was not completed during the monitoring survey in which the fugitive emissions were discovered.

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.****3. Reporting Requirements**

In the required annual report of Site Level Condition #016(c), the records of each monitoring survey conducted during the reporting period shall be included.

The emissions from fugitive emissions components during the reporting period must be included in the emissions inventory report of Site Level Condition #016(d).

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.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP #6

Group Description: GP-5 SECTION H. PNEUMATIC CONTROLLERS & SECTION I. PNEUMATIC PUMPS

Sources included in this group

ID	Name
501	PNEUMATIC DEVICES

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

1. BAT Compliance Requirements

(a) For pneumatic controllers constructed and authorized to operate on or after August 23, 2011, the owner or operator must meet the applicable requirements of 40 CFR § 60.5390(a) and (b)(1) or (c)(1) or § 60.5390a(a) and (b)(1) or (c)(1).

(b) Each controller must be tagged in accordance with 40 CFR § 60.5390(b)(2) and (c)(2) or § 60.5390a(b)(2) and (c)(2) as applicable.

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

1. BAT Compliance Requirements

(a) For each natural gas-driven pneumatic diaphragm pump constructed and authorized to operate on or after September 18, 2015, but prior to August 8, 2018, the owner and operator shall meet the applicable requirements of 40 CFR § 60.5365a(h)(1) and § 60.5393a(a) and (c) through (e).

(b) For each natural gas-driven pneumatic pump constructed and authorized to operate on or after August 8, 2018, the owner or operator of a pump with:

(i) A methane emission rate of less than 200 tpy, a VOC emission rate of less than 2.7 tpy, a single HAP emission rate less than 0.5 tpy, and a total HAP emission rate less than 1.0 tpy, shall meet the applicable requirements of 40 CFR § 60.5365a(h)(1) and § 60.5393a(a) and (c) through (e).

(ii) A methane emission rate of 200 tpy or greater, a VOC emission rate of 2.7 tpy or greater, a single HAP emission rate of 0.5 tpy or greater, or a total HAP emission rate of 1.0 tpy or greater, shall route all vapor through a closed vent system to a control device that reduces methane, VOC, and HAP emissions by 95% or more by meeting the applicable requirements of Section J of GP-5.

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

2. Recordkeeping Requirements

For each controller, the owner or operator shall maintain records in accordance with Site Level Condition #011 and 40 CFR § 60.5420(c)(4) or § 60.5420a(c)(4) as applicable.

SECTION E. Source Group Restrictions.

In addition, the emissions calculation for each pneumatic controller must be kept in accordance with 25 Pa. Code § 135.5.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.****2. Recordkeeping Requirements**

For each natural gas-driven pneumatic diaphragm pump, the owner or operator shall maintain the following records in accordance with Site Level Condition #011:

(a) The location, date of installation, and manufacturer's specifications for each pump.

(b) The emissions calculation for each pneumatic pump must be kept in accordance with 25 Pa. Code § 135.5.

V. REPORTING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.****3. Reporting Requirements**

In the required annual report of Site Level Condition #016(c), the information about each controller during the reporting period shall be done in accordance with 40 CFR § 60.5420(b)(5) or § 60.5420a(b)(5) as applicable.

The emissions from each pneumatic controller during the reporting period must be included in the emissions inventory report of Site Level Condition #016(d).

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.****3. Reporting Requirements**

The emissions from each natural gas-driven pneumatic diaphragm pump during the reporting period must be included in the emissions inventory report of Site Level Condition #016(d).

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.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP #7

Group Description: GP-5 SECTION K. PIGGING OPERATIONS

Sources included in this group

ID	Name
801	PIGGING OPERATIONS

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

1. BAT Compliance Requirements

(a) The owner or operator that conducts pigging operations 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. The selection of the appropriate best management practices must be documented in the application.

(b) For pigging operations with a methane emission rate of 200 tpy or greater, or a VOC emission rate of 2.7 tpy or greater, or a single HAP emission rate of 0.5 tpy or greater, or a total HAP emission rate of 1.0 tpy or greater, after employing best management practices, the owner or operator shall control methane, VOC, and HAP emissions from all pigging operations by at least 95% with a condenser, flare, thermal oxidizer, vapor recovery unit, or other air cleaning device, or any alternative method approved by the Department that meets the applicable requirements in Section J of GP-5.

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.**

2. Recordkeeping Requirements

For each pigging operation, the owner or operator shall maintain the following records in accordance with Site Level Condition #011, including information on:

(a) The identification, location, and date of construction of each pig launcher or receiver;

(b) Records of each pigging operation including the identification of the pig chamber used, the date and time of the pigging operation, and the type and volume of liquids cleared; and

(c) The emissions calculation for each pig chamber, using the Department's spreadsheet found at <http://files.dep.state.pa.us/> or other equivalent method.

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

3. Reporting Requirements

SECTION E. Source Group Restrictions.

The emissions from each pigging operation conducted during the reporting period must be included in the emissions inventory report of Site Level Condition #016(d).

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.

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



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.**

(a) The Department received the operating application for this facility on 12/17/2018. The annual operating permit administrative fee per 25 Pa. Code, Chapter 127, Section 127.703(c)(3) for this permit shall be \$375.00. The fee is due 30 days prior to the anniversary date of the issuance of the permit.

(b) This is a Natural Minor Operating Permit.

(c) Plan Approvals include:

66-00013A

(d) Requests for Determination include:

66-0182 issued for the removal of formaldehyde emissions and testing requirements from Plan Approval 66-00013A approved 12/27/2017.

(e) General Permits include:

GP5-66-001

GP5-66-005



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