



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

**STATE ONLY OPERATING PERMIT**

Issue Date: April 23, 2020

Effective Date: April 23, 2020

Expiration Date: April 22, 2025

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

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

**State Only Permit No: 59-00027**

Federal Tax Id - Plant Code: 32-0309503-1

**Owner Information**

Name: UGI STORAGE CO  
Mailing Address: 1 MERIDIAN BLVD STE 2C01  
WYOMISSING, PA 19610

**Plant Information**

Plant: UGI STORAGE CO/PALMER COMP STA  
Location: 59 Tioga County 59916 Farmington Township  
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

**Responsible Official**

Name: JOSEPH HARTZ  
Title: VP  
Phone: (610) 373 - 7999 Ext.106

**Permit Contact Person**

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

[Signature] \_\_\_\_\_

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



## 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.
- #023 Reporting
- #024 Report Format

### 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. Alternative Operating Scenario(s)

- E-I: Restrictions



## SECTION A. Table of Contents

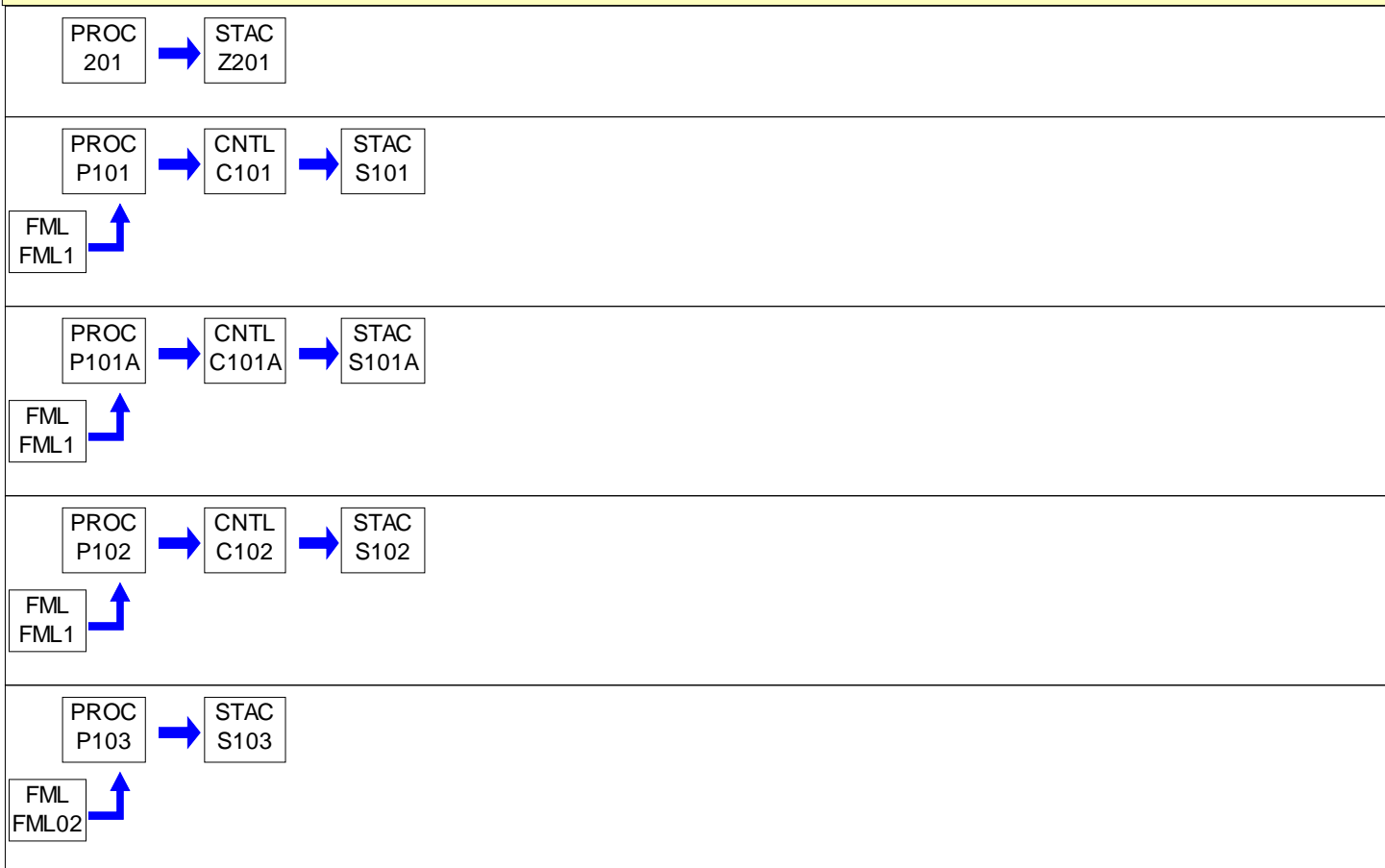
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

## Section F. Emission Restriction Summary

## Section G. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
201	HEATERS/REBOILERS		
P101	1380 BHP COMPRESSOR ENGINE CAT 3516 ULB		
P101A	1380 BHP COMPRESSOR ENGINE CAT 3516 ULB		
P102	690 BHP COMPRESSOR ENGINE		
P103	800 KW EMERGENCY GENERATOR		
P104	5000 GALLON CONDENSATE STORAGE TANK		
C101	OXIDATION CATALYST		
C101A	OXIDATION CATALYST		
C102	OXIDATION CATALYST		
FML02	ULTRA LOW SULFUR DIESEL FUEL		
FML1	NATURAL GAS		
S101	COMPRESSOR ENGINE EXHAUST STACK		
S101A	COMPRESSOR ENGINE EXHAUST STACK		
S102	COMPRESSOR ENGINE EXHAUST STACK		
S103	EMERGENCY GENERATOR EXHAUST STACK		
Z201	HEATERS/REBOILERS STACK		
Z301	FUGITIVE TANK EMISSIONS		

**PERMIT MAPS**



**PERMIT MAPS**

PROC  
P104



STAC  
Z301

**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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
  - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
  - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
  - (4) Space heaters which heat by direct heat transfer.
  - (5) Laboratory equipment used exclusively for chemical or physical analysis.
  - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
  - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
  - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

**#014 [25 Pa. Code § 127.3]****Operational Flexibility.**

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

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

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

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

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

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

**#021 [25 Pa. Code § 127.441(a)]****Property Rights.**

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

**#022 [25 Pa. Code § 127.447]****Alternative Operating Scenarios.**

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

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

**#024 [25 Pa. Code §135.4]****Report Format**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code 123.44 and 129.15.
- (9) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (a) The emissions are of minor significance with respect to causing air pollution.
  - (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified above in Condition #001 if the emissions are visible at the point the emissions pass outside the person's property.

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

No person may permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

**# 004 [25 Pa. Code §123.42]****Exceptions**

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

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

**SECTION C. Site Level Requirements****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The pneumatic controls at the facility shall only be operated using compressed air.

**II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §139.1]****Sampling facilities.**

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

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

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

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

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), 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.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §135.5]****Recordkeeping**

(a) The permittee shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code Section 135.3 (relating to reporting). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

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

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

(a) The requirements of Section B, Condition #023 notwithstanding, pursuant to 25 Pa. Code §135.3, the permittee shall submit by March 1 of each year an Annual Air Information Management Systems (AIMS) Emissions report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) A source owner may request an extension of time from the Department for the filing of an Annual Air Information Management Systems (AIMS) Emissions report, and the Department may grant the extension for reasonable cause.

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

Upon request by the Department, the permittee shall submit all requested reports in accordance with the Department's suggested format.

**# 012 [25 Pa. Code §127.442]****Reporting requirements.**

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

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

(c) The report shall describe the following:

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

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



**SECTION C. Site Level Requirements**

contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

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

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

(g) Any emissions resulting from a malfunction or emergency are to be reported in the annual emissions inventory report.

**VI. WORK PRACTICE REQUIREMENTS.****# 013 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- (2) 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.

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

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

All pipelines at the facility shall be cathodically protected and be inspected annually for leakage, and serviced, repaired, or replaced as necessary.

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

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

- (a) The permittee shall install emergency shutdown valves as close to the facility limits as reasonably possible.
- (b) Prior to blowdown of the facility, the permittee shall connect the high-pressure lines to the low pressure system to reduce pressures to 275 psig before blowing down the piping to the atmosphere, unless immediate release is necessary for safety reasons, due to emergency conditions.

**VII. ADDITIONAL REQUIREMENTS.****# 016 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

**SECTION C. Site Level Requirements****# 017 [25 Pa. Code §123.31]****Limitations**

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

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

Nothing in this operating permit relieves the facility owner or operator from the obligation to comply with all applicable federal, state and local laws and regulations.

**# 019 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material at this 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.**

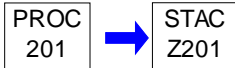
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: HEATERS/REBOILERS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

No person may permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

**# 002 [25 Pa. Code §123.22]****Combustion units**

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

No person may permit the emission into the outdoor atmosphere sulfur oxides, expressed as SO<sub>2</sub>, from a combustion unit in excess of the rate of 4 pounds per million BTU of heat input over any 1-hour period.

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

The heaters and reboilers included in Source ID 201 shall only be fired on natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID 201 consists of the following heaters and reboilers:

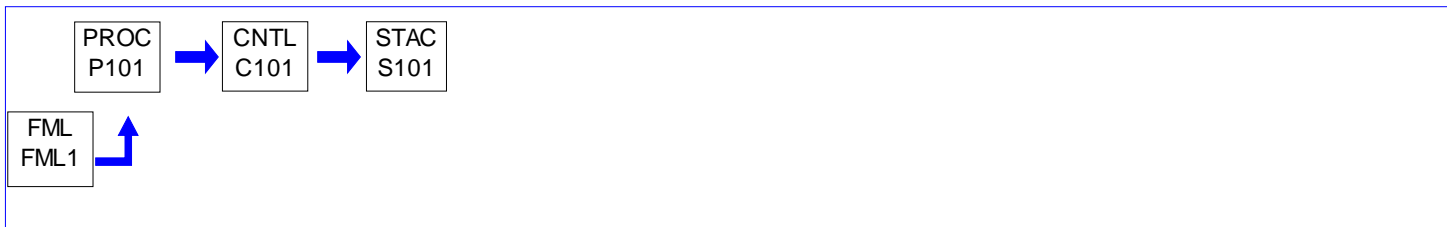
- (a) One (1) Ryan Boiler model RV550-W-FDG-RC natural gas-fired glycol heater rated at 5.5 MMBtu/hr of heat input.
- (b) One (1) Uniflux/Exotherm natural gas-fired heater rated at 0.8 MMBtu/hr of heat input, which is used to regenerate the molecular sieve dehydrator's dryer vessels.
- (c) One (1) natural gas-fired inline heater rated at 2.0 MMBtu/hr of heat input, which is used to preheat gas prior to pressure regulation.

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: 1380 BHP COMPRESSOR ENGINE CAT 3516 ULB

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

[Compliance with this streamlined permit condition also ensures compliance with 25 Pa. Code Section 123.13 and 123.22 and with NSPS Subpart JJJJ 40 CFR 60.4233(e)]

The air contaminant emissions from Source P101 shall not exceed the following limitations:

- (1) Nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 0.50 grams per brake horsepower-hour, 1.52 pounds per hour and 6.7 tons in any 12 consecutive month period.
- (2) Carbon monoxide - 0.122 grams per brake horsepower-hour, 0.38 pounds per hour and 1.7 tons in any 12 consecutive month period.
- (3) Volatile organic compounds - 0.192 grams per brake horsepower-hour, 0.59 pounds per hour and 2.6 tons in any 12 consecutive month period.
- (4) Sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) - 0.02 pounds per hour and 0.03 tons in any 12 consecutive month period.
- (5) Particulate matter/PM-10 - 0.20 pounds per hour and 0.45 tons in any 12 consecutive month period.
- (6) Hazardous air pollutants (including formaldehyde) - 0.35 pounds per hour and 1.6 tons in any 12 consecutive month period.
- (7) Formaldehyde - 0.05 grams per brake horsepower-hour, 0.15 pounds per hour and 0.67 tons in any 12 consecutive month period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

Source P101 shall only be fired on pipeline-quality natural gas.

**II. TESTING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

All stack testing shall be performed while the source is operating at +/- 10% of full load, using test methods and procedures that are acceptable to the Department, as well as in compliance with the test methods and procedures specified in Subpart

**SECTION D. Source Level Requirements**

JJJJ of the federal Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60.4244.

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

(a) If notified by the Department that a new testing protocol is required, the permittee shall, at least ninety (90) days prior to the performance of the stack testing required by this operating permit, submit a test plan to the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(b) The Department shall be given at least fourteen (14) days advance notice of the scheduled dates for the performance of the stack testing required by this plan approval.

(c) Within sixty (60) days of the completion of the stack tests required by this operating permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

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

(1) In addition to the stack testing required herein, the permittee shall perform periodic monitoring on Source P101 every 2500 hours of operation, but no sooner than forty-five (45) days from the previous test, to verify continued compliance with the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide emission limitations. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent, as approved by the Department.

(2) The Department reserves the right to require stack testing on Source P101 in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

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

Pursuant to 40 CFR 60.4243(b)(2)(ii), the permittee shall:

(a) Conduct performance testing of Source P101 every 8,760 hours or 3 years, whichever comes first, following the previous performance test, in order to demonstrate compliance.

(b) Keep a maintenance plan and records of conducted maintenance pertaining to Source P101.

(c) To the extent practicable, maintain and operate Source P101 in a manner consistent with good air pollution control practice for minimizing emissions.

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

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

**SECTION D. Source Level Requirements**

Control Device C101 shall be equipped with instrumentation to continuously monitor and record the differential pressure and the inlet temperature of the device.

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

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

- (1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxides, formaldehyde, and total HAPs emission limitations for Source ID P101 in any 12 consecutive month period.
- (2) The number of hours the engine associated with Source P101 operates each calendar year.
- (3) The amount of fuel used in the engine associated with Source P101 each calendar year.
- (4) The daily pressure differential and inlet temperature records for Control Device C101 for each month.

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

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

At least 30 days prior to change-out of the oxidation catalyst associated with Source ID P101, the permittee shall notify the Department of the planned catalyst change. The notification shall include the make/model of the new catalyst, as well as technical information indicating the emissions performance of the new catalyst.

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

(a) The permittee shall submit reports to the Department on a semi-annual basis containing the following information:

- (1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxides, formaldehyde, and total HAPs emission limitations for Source ID P101 in any 12 consecutive month period.
- (2) The number of hours the engine associated with Source ID P101 operates each calendar year.
- (3) The amount of fuel used in the engine associated with Source ID P101 each calendar year.
- (4) The results of all periodic monitoring performed on Source P101 during the respective semi-annual period.

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

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

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675 and 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248

**SECTION D. Source Level Requirements**

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

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
U. S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

and

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

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall comply with the applicable recordkeeping and reporting requirements specified in 40 CFR Sections 60.4245(a), (c), and (d).

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P101 shall only be started using compressed air.

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

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

The permittee shall inspect the compressor rod packing and pressure safety valves of Source P101 no less than once per quarter (4 times per year), and perform servicing or replacing, as necessary.

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

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

The permittee shall keep the compressor of Source P101 pressurized when off-line, except for when depressurization is necessary for safety reasons, such as during planned maintenance activities.

**VII. ADDITIONAL REQUIREMENTS.**

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

Source P101 is a 1380 horsepower, 4SLB, natural gas-fired Caterpillar G3516B compressor engine, the air contaminant emissions from which shall be controlled by an oxidation catalyst (Control Device C101).



**SECTION D. Source Level Requirements****# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
Am I subject to this subpart?**

Source P101 is subject to 40 CFR Part 60 Subpart JJJJ - New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines. The permittee shall comply with all applicable requirements of Subpart JJJJ.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]  
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines  
Am I subject to this subpart?**

Source P101 is subject to 40 CFR Part 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

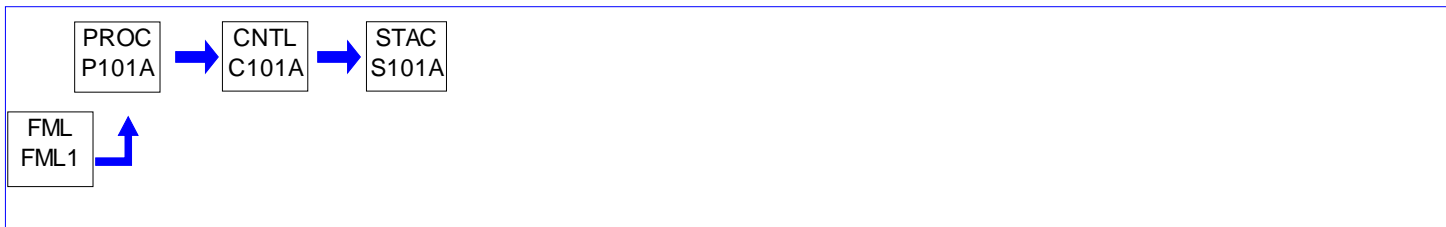
Pursuant to 40 CFR 63.6590(c), Source P101 shall comply with Subpart ZZZZ by complying with all applicable requirements contained in 40 CFR Part 60 Subpart JJJJ.

**SECTION D. Source Level Requirements**

Source ID: P101A

Source Name: 1380 BHP COMPRESSOR ENGINE CAT 3516 ULB

Source Capacity/Throughput:

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

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

[Compliance with this streamlined permit condition also ensures compliance with 25 Pa. Code Section 123.13 and 123.22 and with NSPS Subpart JJJJ 40 CFR 60.4233(e)]

The air contaminant emissions from Source P101A shall not exceed the following limitations:

- (1) Nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 0.50 grams per brake horsepower-hour, 1.52 pounds per hour and 6.7 tons in any 12 consecutive month period.
- (2) Carbon monoxide - 0.122 grams per brake horsepower-hour, 0.38 pounds per hour and 1.7 tons in any 12 consecutive month period.
- (3) Volatile organic compounds - 0.192 grams per brake horsepower-hour, 0.59 pounds per hour and 2.6 tons in any 12 consecutive month period.
- (4) Sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) - 0.02 pounds per hour and 0.03 tons in any 12 consecutive month period.
- (5) Particulate matter/PM-10 - 0.20 pounds per hour and 0.45 tons in any 12 consecutive month period.
- (6) Hazardous air pollutants (including formaldehyde) - 0.35 pounds per hour and 1.6 tons in any 12 consecutive month period.
- (7) Formaldehyde - 0.05 grams per brake horsepower-hour, 0.15 pounds per hour and 0.67 tons in any 12 consecutive month period.

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

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

Source P101A shall only be fired on pipeline-quality natural gas.

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

All stack testing shall be performed while the source is operating at +/- 10% of full load, using test methods and procedures that are acceptable to the Department, as well as in compliance with the test methods and procedures specified in Subpart JJJJ of the federal Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60.4244.

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

(a) If notified by the Department that a new testing protocol is required, the permittee shall, at least ninety (90) days prior to the performance of the stack testing required by this operating permit, submit a test plan to the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(b) The Department shall be given at least fourteen (14) days advance notice of the scheduled dates for the performance of the stack testing required by this plan approval.

(c) Within sixty (60) days of the completion of the stack tests required by this operating permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

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

(1) In addition to the stack testing required herein, the permittee shall perform periodic monitoring on Source P101A every 2500 hours of operation, but no sooner than forty-five (45) days from the previous test, to verify continued compliance with the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide emission limitations. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent, as approved by the Department.

(2) The Department reserves the right to require stack testing on Source P101A in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

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

Pursuant to 40 CFR 60.4243(b)(2)(ii), the permittee shall:

(a) Conduct performance testing of Source P101A every 8,760 hours or 3 years, whichever comes first, following the previous performance test, in order to demonstrate compliance.

(b) Keep a maintenance plan and records of conducted maintenance pertaining to Source P101A.

(c) To the extent practicable, maintain and operate Source P101A in a manner consistent with good air pollution control practice for minimizing emissions.

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

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

Control Device C101A shall be equipped with instrumentation to continuously monitor and record the differential pressure and the inlet temperature of the device.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- (1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxides, formaldehyde, and total HAPs emission limitations for Source ID P101A in any 12 consecutive month period.
- (2) The number of hours the engine associated with Source P101A operates each calendar year.
- (3) The amount of fuel used in the engine associated with Source P101A each calendar year.
- (4) The daily pressure differential and inlet temperature records for Control Device C101A for each month.

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

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

At least 30 days prior to change-out of the oxidation catalyst associated with Source ID P101A, the permittee shall notify the Department of the planned catalyst change. The notification shall include the make/model of the new catalyst, as well as technical information indicating the emissions performance of the new catalyst.

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

(a) The permittee shall submit reports to the Department on a semi-annual basis containing the following information:

- (1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxides, formaldehyde, and total HAPs emission limitations for Source ID P101A in any 12 consecutive month period.
- (2) The number of hours the engine associated with Source ID P101A operates each calendar year.
- (3) The amount of fuel used in the engine associated with Source ID P101A each calendar year.
- (4) The results of all periodic monitoring performed on Source P101A during the respective semi-annual period.

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

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

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675 and 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The copies may be sent to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
U. S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

and

**SECTION D. Source Level Requirements**

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

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall comply with the applicable recordkeeping and reporting requirements specified in 40 CFR Sections 60.4245(a), (c), and (d).

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P101A shall only be started using compressed air.

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

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

The permittee shall inspect the compressor rod packing and pressure safety valves of Source P101A no less than once per quarter (4 times per year), and perform servicing or replacing, as necessary.

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

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

The permittee shall keep the compressor of Source P101A pressurized when off-line, except for when depressurization is necessary for safety reasons, such as during planned maintenance activities.

**VII. ADDITIONAL REQUIREMENTS.**

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

Source P101A is a 1380 horsepower, 4SLB, natural gas-fired Caterpillar G3516B compressor engine, the air contaminant emissions from which shall be controlled by an oxidation catalyst (Control Device C101A).

**# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
Am I subject to this subpart?**

Source P101A is subject to 40 CFR Part 60 Subpart JJJJ - New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines. The permittee shall comply with all applicable requirements of Subpart JJJJ.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]  
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines  
Am I subject to this subpart?**

Source P101A is subject to 40 CFR Part 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Pursuant to 40 CFR 63.6590(c), Source P101A shall comply with Subpart ZZZZ by complying with all applicable requirements contained in 40 CFR Part 60 Subpart JJJJ.

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: 690 BHP COMPRESSOR ENGINE

Source Capacity/Throughput:

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

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

[Compliance with this condition also ensures compliance with 25 Pa. Code Section 123.13 and 123.22 and with NSPS Subpart JJJJ 40 CFR 60.4233(e)]

The air contaminant emissions from Source P102 shall not exceed the following limitations:

- (1) Nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 0.50 grams per brake horsepower-hour, 0.76 pounds per hour and 3.33 tons in any 12 consecutive month period.
- (2) Carbon monoxide - 0.129 grams per brake horsepower-hour, 0.20 pounds per hour and 0.86 tons in any 12 consecutive month period.
- (3) Volatile organic compounds - 0.22 grams per brake horsepower-hour, 0.33 pounds per hour and 1.47 tons in any 12 consecutive month period.
- (4) Sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) - 0.003 pounds per hour and 0.014 tons in any 12 consecutive month period.
- (5) Particulate matter/PM-10 - 0.06 pounds per hour and 0.27 tons in any 12 consecutive month period.
- (6) Hazardous air pollutants (including formaldehyde) - 0.19 pounds per hour and 0.84 tons in any 12 consecutive month period.
- (7) Formaldehyde - 0.05 grams per brake horsepower-hour, 0.08 pounds per hour and 0.33 tons in any 12 consecutive month period.

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

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

Source P102 shall only be fired on pipeline-quality natural gas.

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

All stack testing shall be performed while the source is operating at +/- 10% of full load, using test methods and procedures

**SECTION D. Source Level Requirements**

that are acceptable to the Department, as well as in compliance with the test methods and procedures specified in Subpart JJJJ of the federal Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60.4244.

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

(a) If notified by the Department that a new testing protocol is required, the permittee shall, at least ninety (90) days prior to the performance of the stack testing required by this operating permit, submit a test plan to the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(b) The Department shall be given at least fourteen (14) days advance notice of the scheduled dates for the performance of the stack testing required by this plan approval.

(c) Within sixty (60) days of the completion of the stack tests required by this operating permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

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

(1) In addition to the stack testing required herein, the permittee shall perform periodic monitoring on Source P102 every 2500 hours of operation, but no sooner than forty-five (45) days from the previous test, to verify continued compliance with the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide emission limitations. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent, as approved by the Department.

(2) The Department reserves the right to require stack testing on Source P102 in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

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

Pursuant to 40 CFR 60.4243(b)(2)(ii), the permittee shall:

(a) Conduct performance testing of Source P102 every 8,760 hours or 3 years, whichever comes first, following the previous performance test, in order to demonstrate compliance.

(b) Keep a maintenance plan and records of conducted maintenance pertaining to Source P102.

(c) To the extent practicable, maintain and operate Source P102 in a manner consistent with good air pollution control practice for minimizing emissions.

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

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

**SECTION D. Source Level Requirements**

Control Device C102 shall be equipped with instrumentation to continuously monitor and record the differential pressure and the inlet temperature of the device.

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

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

- (1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxides, formaldehyde, and total HAPs emission limitations for Source ID P102 in any 12 consecutive month period.
- (2) The number of hours the engine associated with Source P102 operates each calendar year.
- (3) The amount of fuel used in the engine associated with Source P102 each calendar year.
- (4) The daily pressure differential and inlet temperature records for Control Device C102 for each month.

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

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

At least 30 days prior to change-out of the oxidation catalyst associated with Source ID P102, the permittee shall notify the Department of the planned catalyst change. The notification shall include the make/model of the new catalyst, as well as technical information indicating the emissions performance of the new catalyst.

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

(a) The permittee shall submit reports to the Department on a semi-annual basis containing the following information:

- (1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxides, formaldehyde, and total HAPs emission limitations for Source ID P102 in any 12 consecutive month period.
- (2) The number of hours the engine associated with Source ID P102 operates each calendar year.
- (3) The amount of fuel used in the engine associated with Source ID P102 each calendar year.
- (4) The results of all periodic monitoring performed on Source P102 during the respective semi-annual period.

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

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

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675 and 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248



**SECTION D. Source Level Requirements**

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

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
U. S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

and

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

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI  
internal combustion engine?**

The permittee shall comply with the applicable recordkeeping and reporting requirements specified in 40 CFR Sections 60.4245(a), (c), and (d).

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P102 shall only be started using compressed air.

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

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

The permittee shall inspect the compressor rod packing and pressure safety valves of Source P102 no less than once per quarter (4 times per year), and perform servicing or replacing, as necessary.

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

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

The permittee shall keep the compressor of Source P102 pressurized when off-line, except for when depressurization is necessary for safety reasons, such as during planned maintenance activities.

**VII. ADDITIONAL REQUIREMENTS.**

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

Source P102 is one (1) 690 horsepower, 4SLB, natural gas-fired Caterpillar G3508B compressor engine, the air contaminant emissions from which shall be controlled by an oxidation catalyst (Control Device C102).

**SECTION D. Source Level Requirements****# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
Am I subject to this subpart?**

Source P102 is subject to 40 CFR Part 60 Subpart JJJJ - New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines. The permittee shall comply with all applicable requirements of Subpart JJJJ.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]  
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines  
Am I subject to this subpart?**

Source P102 is subject to 40 CFR Part 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

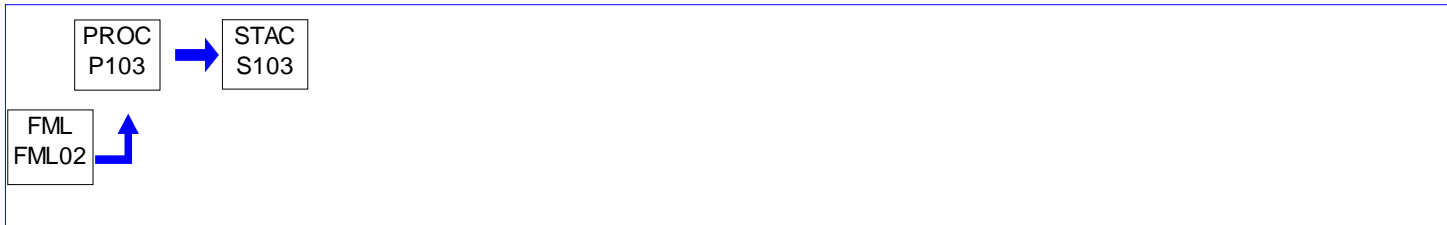
Pursuant to 40 CFR 63.6590(c), Source P102 shall comply with Subpart ZZZZ by complying with all applicable requirements contained in 40 CFR Part 60 Subpart JJJJ.

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: 800 KW EMERGENCY GENERATOR

Source Capacity/Throughput:

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

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

[Compliance with this streamlined permit condition also ensures compliance with 25 Pa. Code Section 123.13 and with NSPS Subpart IIII 40 CFR 60.4205(b)]

The air contaminant emissions from Source P103 shall not exceed the following limitations:

- (1) Nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 5.18 grams per brake horsepower-hour, 12.56 pounds per hour and 3.14 tons in any 12 consecutive month period.
- (2) Carbon monoxide - 0.23 grams per brake horsepower-hour, 0.56 pounds per hour and 0.14 tons in any 12 consecutive month period.
- (3) Non-methane hydrocarbons - 0.03 grams per brake horsepower-hour, 0.07 pounds per hour and 0.02 tons in any 12 consecutive month period.
- (4) Particulate matter/PM-10 - 0.059 pounds per hour and 0.015 tons in any 12 consecutive month period.
- (5) Hazardous air pollutants (including formaldehyde) - 0.01 pounds per hour and 0.003 tons in any 12 consecutive month period.

**Fuel Restriction(s).****# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

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

[Compliance with this streamlined permit condition also assures compliance with 25 Pa. Code Section 123.21]

Source P103 may only be fired on diesel fuel that meets the following requirements:

- (a) Sulfur content of 15 ppm maximum.
- (b) Cetane index or aromatic content as follows:
  - (i) A minimum cetane index of 40; or
  - (ii) A maximum aromatic content of 35 volume percent.

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 60.4211(f)]

The permittee shall operate the emergency generator set included in Source ID P103 according to the requirements in paragraphs (1) through (4). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (4), is prohibited.

(1) There is no time limit on the use of Source ID P103 in emergency situations.

(2) The permittee may operate Source ID P103 for the purposes specified in paragraphs (3) and (4) for a combined maximum of 100 hours per calendar year.

(3) Source ID P103 may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P103 beyond 100 hours per calendar year.

(4) Source ID P103 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year provided in paragraph (2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

**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.****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

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

Source P103 shall be equipped with a non-resettable hour meter which accurately measures the total engine run-time.

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

The permittee shall maintain accurate and comprehensive records of the following:

(1) The number of hours Source P103 is operated each month during emergency situations.

(2) The number of hours Source P103 is operated each month to perform maintenance checks and readiness testing.

(3) The number of hours Source P103 is operated each month during non-emergency situations.

(4) Records demonstrating compliance with the emissions and fuel limitations established in conditions #001 and #002 for Source P103.

**SECTION D. Source Level Requirements**

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.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]  
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall maintain records pertaining to Source P103 in accordance with the requirements of 40 CFR 60.4214(b).

**V. REPORTING REQUIREMENTS.**

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

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675 and 40 CFR Part 60 Subpart IIII, Sections 60.4200 through 60.4219 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The copies may be sent to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
U. S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

and

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

Source P103 is a 800 kW emergency generator set powered by a 1100 bhp Caterpillar DM7696 diesel-fired engine.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]  
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
Am I subject to this subpart?**

Source P103 is subject to 40 CFR Part 60 Subpart IIII - New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines. The permittee shall comply with all applicable requirements of Subpart IIII.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]  
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines  
Am I subject to this subpart?**



## SECTION D. Source Level Requirements

Source P103 is subject to 40 CFR Part 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

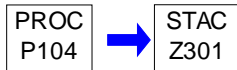
Pursuant to 40 CFR 63.6590(c), Source P103 shall comply with Subpart ZZZZ by complying with all applicable requirements contained in 40 CFR Part 60 Subpart IIII.

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: 5000 GALLON CONDENSATE STORAGE TANK

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

Source P104 shall be equipped with pressure relief valves that are maintained in good operating condition and set to release at no less than 0.7 pounds per square inch gauge (psig) of pressure or 0.3 psig of vacuum or the highest possible pressure and vacuum in accordance with state/local fire codes, the National Fire Prevention Association guidelines, or other national consensus standards acceptable to the Department.

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

Source P104 is a 5,000 gallon compressor condensate storage tank.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.





**SECTION F. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION G. Miscellaneous.**

The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (a) One (1) molecular-sieve dehydration process.
- (b) One (1) 1500 gallon diesel tank.
- (c) One (1) 2000 gallon bulk compressor oil tank.
- (d) One (1) 1000 gallon waste oil tank.



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

---