



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: November 22, 2013

Effective Date: November 22, 2013

Expiration Date: November 21, 2018

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: 41-00080

Federal Tax Id - Plant Code: 38-3877838-1

Owner Information

Name: PVR NEPA GAS GATHERING LLC
Mailing Address: 101 WEST THIRD ST
WILLIAMSPORT, PA 17701

Plant Information

Plant: PVR NEPA GATHERING LLC/CANOE RUN COMP STA
Location: 41 Lycoming County 41931 Mifflin Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: KEVIN ROBERTS
Title: MGR ENV COMP MRCLS RGN
Phone: (570) 601 - 4326

Permit Contact Person

Name: NICHOLAS J. BRYAN
Title: ENVIRONMENTAL PROJECT MGR
Phone: (570) 505 - 3700

[Signature] _____
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION

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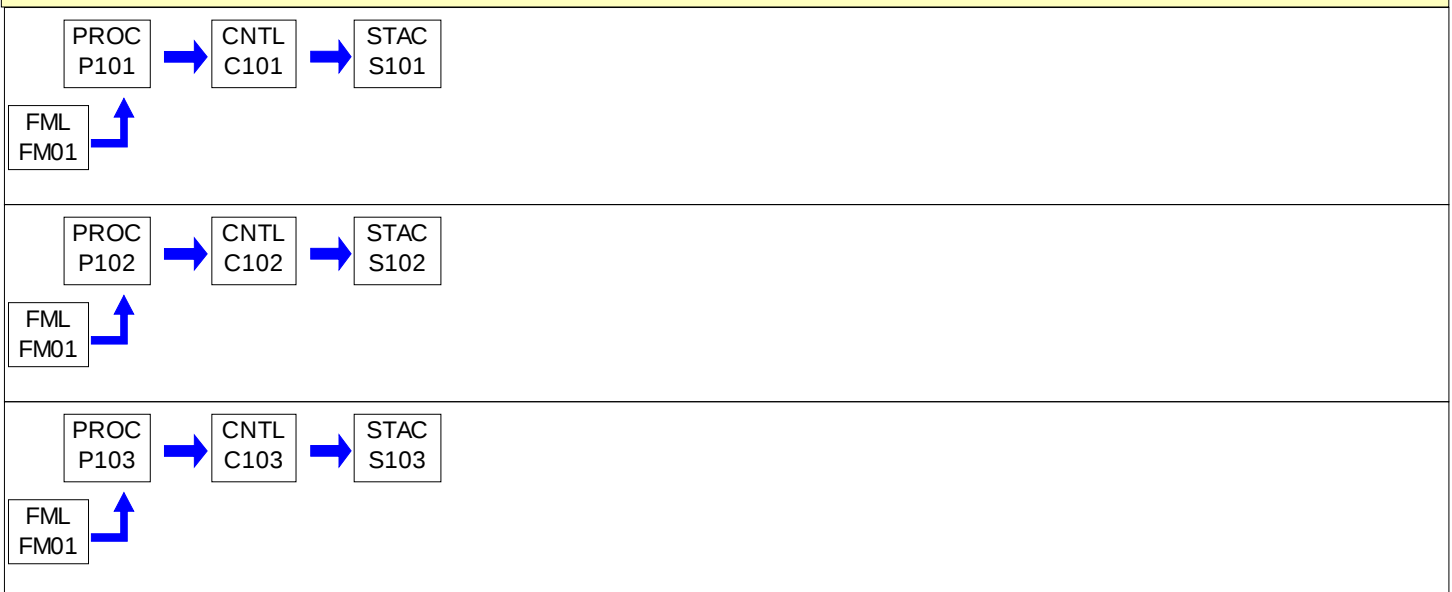
Section F. Emission Restriction Summary

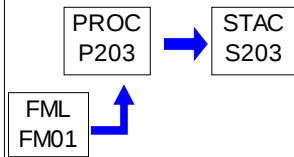
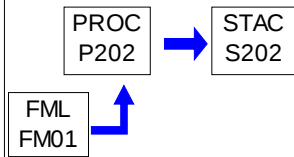
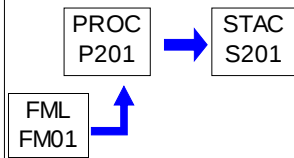
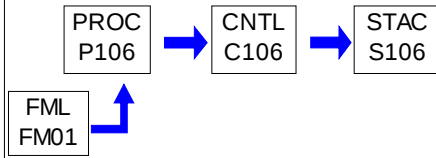
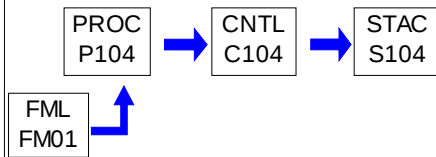
Section G. Miscellaneous

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Source ID	Source Name	Capacity/Throughput	Fuel/Material
P101	2370 BHP COMPRESSOR ENGINE		
P102	2370 BHP COMPRESSOR ENGINE		
P103	2370 BHP COMPRESSOR ENGINE		
P104	2370 BHP COMPRESSOR ENGINE		
P106	1340 BHP ENGINE		
P201	25 MMSCF/DAY DEHY WITH 0.75 MMBTU/HR REBOILER		
P202	75 MMSCF/DAY DEHY WITH 1.5 MMBTU/HR REBOILER		
P203	35 MMSCF/DAY DEHY WITH 0.75 MMBTU/HR REBOILER		
C101	OXIDATION CATALYST		
C102	OXIDATION CATALYST		
C103	OXIDATION CATALYST		
C104	OXIDATION CATALYST		
C106	OXIDATION CATALYST		
FM01	NATURAL GAS		
S101	STACK FOR ENGINE		
S102	STACK FOR ENGINE		
S103	STACK FOR ENGINE		
S104	STACK FOR ENGINE		
S106	STACK FOR ENGINE		
S201	STACK		
S202	STACK		
S203	STACK		

PERMIT MAPS



PERMIT MAPS

SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

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

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]

Permit Renewal.

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
 - (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
 - (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

Inspection and Entry.

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.441 & 127.444]

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

SECTION B. General State Only Requirements

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

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

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

SECTION B. General State Only Requirements

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

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

SECTION B. General State Only Requirements

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

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

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

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

SECTION B. General State Only Requirements

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

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

#015 [25 Pa. Code § 127.11]

Reactivation

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

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

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

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

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

#017 [25 Pa. Code § 121.9]

Circumvention.

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

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

Reporting Requirements.

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

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

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

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

Recordkeeping.

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

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

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

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

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

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

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

002 [25 Pa. Code §123.2]

Fugitive particulate matter

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

003 [25 Pa. Code §123.41]

Limitations

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

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

004 [25 Pa. Code §123.42]

Exceptions

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

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

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from the General Plan Approval and/or General Operating Permit (BAQ-GPA/GP 5) for Natural Gas, Coal Bed Methane or GOB Gas Production or Recovery Facilities]

Any uncontrolled volatile organic compound emissions from any dehydrator shall not exceed 10 tons in any 12 consecutive month period.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined greenhouse gases (expressed as carbon dioxide equivalent, CO₂e) emissions, from all sources at the facility, shall not equal or exceed 100,000 tons in any 12 consecutive month period.

SECTION C. Site Level Requirements

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on 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.

008 [25 Pa. Code §139.11]

General requirements.

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

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

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

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) The greenhouse gases (expressed as carbon dioxide equivalent, CO₂e) emissions shall be calculated on a monthly basis and this data shall be used to determine compliance with the facility-wide greenhouse gases emission limit.

(2) The supporting documentation used to calculate the emissions in paragraph 1. This includes, but is not limited to, an accurate and up-to-date gas analysis that is representative of the gas being dehydrated, actual glycol circulation rate for each glycol dehydration unit, and accurate and up-to-date GRI-GLYCalc reports.

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

011 [25 Pa. Code §135.5]

Recordkeeping

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

SECTION C. Site Level Requirements

quantification of potential and actual air contaminant emissions.

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

V. REPORTING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(1) With the exception noted below, the permittee shall report malfunctions which occur at this facility to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, 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. Malfunctions that are not resulting in, or potentially resulting in, air contaminant emissions in excess of an applicable air contaminant emission limitation and/or are not resulting in, or potentially resulting in, noncompliance with any condition contained in this operating permit do not have to be reported. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(2) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from the operating permit requirements.

(3) When the malfunction, excess emission or deviation from the operating permit requirements poses an imminent and substantial danger to the public health and safety or environment, the permittee shall notify the Department by telephone no later than one (1) hour after the incident.

(4) Any malfunction, excess emission or deviation from the operating permit requirements, or any malfunction resulting in, or which may possibly be resulting in, a violation of any applicable operating permit requirement or any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, that is not subject to the notice requirements of subsection (3) of this permit condition shall be reported to the Department within twenty-four (24) hours of discovery. In notifying the Department, the permittee shall describe the following:

- (a) name and location of the facility,
- (b) nature and cause of the malfunction or breakdown,
- (c) time when the malfunction or breakdown was first observed,
- (d) expected duration of excess emissions,
- (e) estimated rate of emissions and
- (f) corrective actions or preventative measures taken.

(5) The permittee shall notify the Department immediately when corrective measures have been accomplished.

(6) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within fifteen (15) days of the malfunction, excess emission or deviation from the operating permit requirements.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall submit reports to the Department on an annual basis that include:

(1) The greenhouse gases (expressed as carbon dioxide equivalent, CO₂e) emissions shall be calculated on a monthly basis and this data shall be used to determine compliance with the facility-wide greenhouse gases emission limit.

(2) The supporting documentation used to calculate the emissions in paragraph 1. This includes, but is not limited to, an accurate and up-to-date gas analysis that is representative of the gas being dehydrated, actual glycol circulation rate for each glycol dehydration unit, and accurate and up-to-date GRI-GLYCalc reports.

(b) The annual reports shall be submitted to the Department by no later than March 1 of each year for the immediately preceding January 1 through December 31 time period.

SECTION C. Site Level Requirements**# 015 [25 Pa. Code §135.3]****Reporting**

- (1) A person who owns or operates a source to which 25 Pa. Code Section 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March 1 of each year an annual AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.
- (2) A person who receives initial notification by the Department that an annual AIMS report is necessary shall submit an initial annual AIMS report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.
- (3) A source owner or operator may request an extension of time from the Department for the filing of an annual AIMS report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

VII. ADDITIONAL REQUIREMENTS.**# 017 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001 through 4015).

018 [25 Pa. Code §123.31]**Limitations**

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

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

The permittee shall not permit the open burning of material at the facility unless in accordance with 25 Pa. Code Section 129.14.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: P101

Source Name: 2370 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 condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

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

- (a) nitrogen oxides (NO_x, expressed as NO₂) - 0.5 grams per brake horsepower-hour, 2.61pounds per hour and 11.43 tons in any 12 consecutive month period,
- (b) carbon monoxide (CO) - 0.28 grams per brake horsepower-hour, 1.44 pounds per hour and 6.29 tons in any 12 consecutive month period,
- (c) total combined volatile organic compounds (VOC) - 0.16 grams per brake horsepower-hour, 0.82 pounds per hour and 3.60 tons in any 12 consecutive month period,
- (d) particulate matter (PM/PM₁₀) - 0.03 grains per dry standard cubic foot of exhaust gas, 0.16 pounds per hour and 0.68 tons in any 12 consecutive month period,
- (e) formaldehyde - 0.04 grams per brake horsepower-hour, 0.21 pounds per hour and 0.92 tons in any 12 consecutive month period.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID P101 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 2 parts per million, by volume, dry basis.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the applicable emission standards specified in 40 CFR Section 60.4233(e).

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall only use natural gas as fuel in Source ID P101.

SECTION D. Source Level Requirements

Control Device Efficiencies Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

ID C101 shall be capable of reducing the carbon monoxide emissions by 90% from Source ID P101.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) At least sixty (60) days prior to the performance of the stack testing required by this operating permit, a test plan shall be submitted 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 operating permit.

(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.

007 [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?

Pursuant to 40 CFR Section 60.4243 (b)(2)(ii), the permittee shall conduct performance testing, on IDs C101, C102, C103, and C104 associated with Source IDs P101, P102, P103, and P104, every 8760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the testing requirements specified in 40 CFR Section 60.4244.

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall equip ID C101 with instrumentation to monitor pressure drop across ID C101 and the inlet gas temperature of ID C101 and shall monitor these parameters on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

010 [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, and formaldehyde emission limitations for Source ID P101 in any 12 consecutive month period.

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

SECTION D. Source Level Requirements

(4) The pressure drop across and the inlet gas temperature of ID C101 on a continuous basis via a data acquisition system.

(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.

011 [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).

V. REPORTING REQUIREMENTS.

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).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

The submission of all requests, reports, applications, submittals and other communications required by 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 Environmental Protection Agency copies may be sent to:

Associate Director
Air Protection Division (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.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) Source ID P101 is one natural gas-fired, Caterpillar Model G3608LE, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine, rated at 2370 brake-horsepower equipped with low NOx electronic control technology.

SECTION D. Source Level Requirements

(b) ID C101 is one DCL International, Inc. model DC69.5 oxidation catalyst.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID P101 shall be equipped with low NO_x electronic control system to control NO_x emissions. Additionally, the carbon monoxide, volatile organic compounds, and formaldehyde emissions from Source ID P101 shall be controlled by ID C101. The permittee shall not operate Source ID P101 without the simultaneous operation of ID C101 at any time.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Am I subject to this subpart?

Source ID P101 is subject to the requirements of 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the requirement specified in 40 CFR Section 60.4234.

018 [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?

The permittee shall comply with the recordkeeping, work practice, and testing requirements specified in 40 CFR Section 60.4243(b)(2)(ii).

019 [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 ID P101 is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart ZZZZ Sections 63.6580 through 63.6675.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of my plant does this subpart cover?

The permittee shall comply with the requirements specified in 40 CFR Section 63.6590(c)(1).

SECTION D. Source Level Requirements

Source ID: P102

Source Name: 2370 BHP COMPRESSOR ENGINE

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID P102 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 2 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

(a) nitrogen oxides (NO_x, expressed as NO₂) - 0.5 grams per brake horsepower-hour, 2.61pounds per hour and 11.43 tons in any 12 consecutive month period,

(b) carbon monoxide (CO) - 0.28 grams per brake horsepower-hour, 1.44 pounds per hour and 6.29 tons in any 12 consecutive month period,

(c) total combined volatile organic compounds (VOC) - 0.16 grams per brake horsepower-hour, 0.82 pounds per hour and 3.60 tons in any 12 consecutive month period,

(d) particulate matter (PM/PM₁₀) - 0.03 grains per dry standard cubic foot of exhaust gas, 0.16 pounds per hour and 0.68 tons in any 12 consecutive month period,

(e) formaldehyde - 0.04 grams per brake horsepower-hour, 0.21 pounds per hour and 0.92 tons in any 12 consecutive month period.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the applicable emission standards specified in 40 CFR Section 60.4233(e).

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall only use natural gas as fuel in Source ID P102.

SECTION D. Source Level Requirements

Control Device Efficiencies Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

ID C102 shall be capable of reducing the carbon monoxide emissions by 90% from Source ID P102.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) At least sixty (60) days prior to the performance of the stack testing required by this operating permit, a test plan shall be submitted 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 operating permit.

(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.

007 [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?

Pursuant to 40 CFR Section 60.4243 (b)(2)(ii), the permittee shall conduct performance testing, on IDs C101, C102, C103, and C104 associated with Source IDs P101, P102, P103, and P104, every 8760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the testing requirements specified in 40 CFR Section 60.4244.

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall equip ID C102 with instrumentation to monitor pressure drop across ID C102 and the inlet gas temperature of ID C102 and shall monitor these parameters on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

010 [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, and formaldehyde emission limitations for Source ID P102 in any 12 consecutive month period.

(2) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations and the carbon monoxide removal efficiency for ID C102 associated with Source ID P102.

SECTION D. Source Level Requirements

(4) The pressure drop across and the inlet gas temperature of ID C102 on a continuous basis via a data acquisition system.

(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.

011 [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).

V. REPORTING REQUIREMENTS.

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).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

The submission of all requests, reports, applications, submittals and other communications required by 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 Environmental Protection Agency copies may be sent to:

Associate Director
Air Protection Division (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.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) Source ID P102 is one natural gas-fired, Caterpillar Model G3608LE, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine, rated at 2370 brake-horsepower equipped with low NOx electronic control technology.

SECTION D. Source Level Requirements

(b) ID C102 is one DCL International, Inc. model DC69.5 oxidation catalyst.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID P102 shall be equipped with low NO_x electronic control system to control NO_x emissions. Additionally, the carbon monoxide, volatile organic compounds, and formaldehyde emissions from Source ID P102 shall be controlled by ID C102. The permittee shall not operate Source ID P102 without the simultaneous operation of ID C102 at any time.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Am I subject to this subpart?

Source ID P102 is subject to the requirements of 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the requirement specified in 40 CFR Section 60.4234.

018 [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?

The permittee shall comply with the recordkeeping, work practice, and testing requirements specified in 40 CFR Section 60.4243(b)(2)(ii).

019 [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 ID P102 is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart ZZZZ Sections 63.6580 through 63.6675.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of my plant does this subpart cover?

The permittee shall comply with the requirements specified in 40 CFR Section 63.6590(c)(1).

SECTION D. Source Level Requirements

Source ID: P103

Source Name: 2370 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 condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the following air contaminant emissions from the exhaust of ID C103 associated with Source ID P103 in excess of the limitations listed below:

- (a) nitrogen oxides (NO_x, expressed as NO₂) - 0.5 grams per brake horsepower-hour, 2.61pounds per hour and 11.43 tons in any 12 consecutive month period,
- (b) carbon monoxide (CO) - 0.28 grams per brake horsepower-hour, 1.44 pounds per hour and 6.29 tons in any 12 consecutive month period,
- (c) total combined volatile organic compounds (VOC) - 0.16 grams per brake horsepower-hour, 0.82 pounds per hour and 3.60 tons in any 12 consecutive month period,
- (d) particulate matter (PM/PM₁₀) - 0.03 grains per dry standard cubic foot of exhaust gas, 0.16 pounds per hour and 0.68 tons in any 12 consecutive month period,
- (e) formaldehyde - 0.04 grams per brake horsepower-hour, 0.21 pounds per hour and 0.92 tons in any 12 consecutive month period.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID P103 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 2 parts per million, by volume, dry basis.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the applicable emission standards specified in 40 CFR Section 60.4233(e).

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall only use natural gas as fuel in Source ID P103.

SECTION D. Source Level Requirements

Control Device Efficiencies Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

ID C103 shall be capable of reducing the carbon monoxide emissions by 90% from Source ID P103.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) At least sixty (60) days prior to the performance of the stack testing required by this operating permit, a test plan shall be submitted 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 operating permit.

(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.

007 [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?

Pursuant to 40 CFR Section 60.4243 (b)(2)(ii), the permittee shall conduct performance testing, on IDs C101, C102, C103, and C104 associated with Source IDs P101, P102, P103, and P104, every 8760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the testing requirements specified in 40 CFR Section 60.4244.

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall equip ID C103 with instrumentation to monitor pressure drop across ID C103 and the inlet gas temperature of ID C103 and shall monitor these parameters on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

010 [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, and formaldehyde emission limitations for Source ID P103 in any 12 consecutive month period.

(2) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations and the carbon monoxide removal efficiency for ID C103 associated with Source ID P103.

SECTION D. Source Level Requirements

(4) The pressure drop across and the inlet gas temperature of ID C103 on a continuous basis via a data acquisition system.

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

011 [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).

V. REPORTING REQUIREMENTS.

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).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

The submission of all requests, reports, applications, submittals and other communications required by 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 Environmental Protection Agency copies may be sent to:

Associate Director
Air Protection Division (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.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) Source ID P103 is one natural-gas fired, Caterpillar Model G3608LE, four stroke lean burn (4SLB) reciprocating internal combustion engine, rated at 2370 brake-horsepower equipped with low NOx electronic control technology.

SECTION D. Source Level Requirements

(b) ID C103 is one GT Exhaust Systems oxidation catalyst, model #201VO-6-300-6124.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID P103 shall be equipped with low NOx electronic control system to control NOx emissions. Additionally, the carbon monoxide, volatile organic compounds, and formaldehyde emissions from Source ID P103 shall be controlled by ID C103. The permittee shall not operate Source ID P103 without the simultaneous operation of ID C103 at any time.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Am I subject to this subpart?

Source ID P103 is subject to the requirements of 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the requirement specified in 40 CFR Section 60.4234.

018 [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?

The permittee shall comply with the recordkeeping, work practice, and testing requirements specified in 40 CFR Section 60.4243(b)(2)(ii).

019 [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 ID P103 is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart ZZZZ Sections 63.6580 through 63.6675.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of my plant does this subpart cover?

The permittee shall comply with the requirements specified in 40 CFR Section 63.6590(c)(1).

SECTION D. Source Level Requirements

Source ID: P104

Source Name: 2370 BHP COMPRESSOR ENGINE

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID P104 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 2 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall not permit the following air contaminant emissions from the exhaust of ID C104 associated with Source ID P104 in excess of the limitations listed below:

(a) nitrogen oxides (NO_x, expressed as NO₂) - 0.5 grams per brake horsepower-hour, 2.61 pounds per hour and 11.43 tons in any 12 consecutive month period,

(b) carbon monoxide (CO) - 0.28 grams per brake horsepower-hour, 1.44 pounds per hour and 6.29 tons in any 12 consecutive month period,

(c) total combined volatile organic compounds (VOC) - 0.16 grams per brake horsepower-hour, 0.82 pounds per hour and 3.60 tons in any 12 consecutive month period,

(d) particulate matter (PM/P₁₀) - 0.03 grains per dry standard cubic foot of exhaust gas, 0.16 pounds per hour and 0.68 tons in any 12 consecutive month period,

(e) formaldehyde - 0.04 grams per brake horsepower-hour, 0.21 pounds per hour and 0.92 tons in any 12 consecutive month period.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the applicable emission standards specified in 40 CFR Section 60.4233(e).

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall only use natural gas as fuel in Source ID P104.

SECTION D. Source Level Requirements

Control Device Efficiencies Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

ID C104 shall be capable of reducing the carbon monoxide emissions by 90% from Source ID P104.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) At least sixty (60) days prior to the performance of the stack testing required by this operating permit, a test plan shall be submitted 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 operating permit.

(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.

007 [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?

Pursuant to 40 CFR Section 60.4243 (b)(2)(ii), the permittee shall conduct performance testing, on IDs C101, C102, C103, and C104 associated with Source IDs P101, P102, P103, and P104, every 8760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the testing requirements specified in 40 CFR Section 60.4244.

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall equip ID C104 with instrumentation to monitor pressure drop across ID C104 and the inlet gas temperature of ID C104 and shall monitor these parameters on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

010 [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, and formaldehyde emission limitations for Source ID P104 in any 12 consecutive month period.

(2) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations and the carbon monoxide removal efficiency for ID C104 associated with Source ID P104.

SECTION D. Source Level Requirements

(4) The pressure drop across and the inlet gas temperature of ID C104 on a continuous basis via a data acquisition system.

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

011 [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).

V. REPORTING REQUIREMENTS.

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).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

The submission of all requests, reports, applications, submittals and other communications required by 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 Environmental Protection Agency copies may be sent to:

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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.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) Source ID P104 is one natural-gas fired, Caterpillar Model G3608LE, four stroke lean burn (4SLB) reciprocating internal combustion engine, rated at 2370 brake-horsepower equipped with low NOx electronic control technology.

SECTION D. Source Level Requirements

(b) ID C104 is one GT Exhaust Systems oxidation catalyst, model #201VO-6-300-6124.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID P104 shall be equipped with low NOx electronic control system to control NOx emissions. Additionally, the carbon monoxide, volatile organic compounds, and formaldehyde emissions from Source ID P104 shall be controlled by ID C104. The permittee shall not operate Source ID P104 without the simultaneous operation of ID C104 at any time.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Am I subject to this subpart?

Source ID P104 is subject to the requirements of 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the requirement specified in 40 CFR Section 60.4234.

018 [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?

The permittee shall comply with the recordkeeping, work practice, and testing requirements specified in 40 CFR Section 60.4243(b)(2)(ii).

019 [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 ID P104 is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart ZZZZ Sections 63.6580 through 63.6675.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of my plant does this subpart cover?

The permittee shall comply with the requirements specified in 40 CFR Section 63.6590(c)(1).

SECTION D. Source Level Requirements

Source ID: P106

Source Name: 1340 BHP ENGINE

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of ID C106 associated with Source ID P106 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust from ID C106 associated with Source ID P106 shall not exceed 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is derived from the permittee electing this restriction]

The permittee shall not permit the following air contaminant emissions from ID C106 associated with Source ID P106 in excess of the limitations listed below:

(a) nitrogen oxides (NO_x, expressed as NO₂) - 2.0 grams per brake horsepower-hour, 5.91 pounds per hour and 25.88 tons in any 12 consecutive month period,

(b) carbon monoxide (CO) - 0.09 grams per brake horsepower-hour, 0.27 pounds per hour and 1.16 tons in any 12 consecutive month period,

(c) total combined volatile organic compounds (VOC) - 0.15 grams per brake horsepower-hour, 0.44 pounds per hour and 1.94 tons in any 12 consecutive month period,

(d) formaldehyde - 0.02 grams per brake horsepower-hour, 0.06 pounds per hour and 0.26 tons in any 12 consecutive month period.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from the General Plan Approval and/or General Operating Permit (BAQ-GPA/GP 5) for Natural Gas, Coal Bed Methane or GOB Gas Production or Recovery Facilities]

Visible emissions from ID C106 associated with Source ID P106 shall not equal or exceed 10% for a period or periods aggregating more than three minutes in any one hour and not equal or exceed 30% at any time.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from the General Plan Approval and/or General Operating Permit (BAQ-GPA/GP 5) for Natural Gas, Coal Bed Methane or GOB Gas Production or Recovery Facilities]

At engine operating conditions less than rated capacity, Source ID P106 shall, on a pounds-per-hour basis, emit no more than they emit at rated bhp and rated speed.

SECTION D. Source Level Requirements

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?
The permittee shall comply with the applicable emission standards specified in 40 CFR Section 60.4233(e).

Fuel Restriction(s).

007 [25 Pa. Code §127.441]
Operating permit terms and conditions.
The permittee shall only use natural gas as fuel in the engine associated with Source ID P106.

Control Device Efficiencies Restriction(s).

008 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this condition is derived from the permittee electing this restriction]
ID C106 shall be capable of reducing the carbon monoxide emissions by 95% from Source ID P106.

II. TESTING REQUIREMENTS.

009 [25 Pa. Code §127.441]
Operating permit terms and conditions.
Within 120 days from the issuance of this operating permit, the permittee shall perform nitrogen oxide (NO_x, expressed as NO₂), carbon monoxide, volatile organic compound and formaldehyde stack tests upon the engine's exhaust associated with Source ID P106 to demonstrate compliance with the emission limitations for NO_x, carbon monoxide, volatile organic compounds, and formaldehyde and carbon monoxide destruction efficiency of ID C106 associated with Source ID P106.

(a) The performance test shall consist of three (3) separate test runs and each run shall last at least one (1) hour in duration.

(b) The testing of the inlet and outlet of ID C106 shall be running simultaneously.

(c) All testing is to be done using EPA reference method test procedures acceptable to the Department and all testing is to be performed while the engine associated Source ID P106 is operating at +/- 10% of full load.

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

(a) At least sixty (60) days prior to the performance of the stack testing required by this operating permit, a test plan shall be submitted 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 operating permit.

(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.

011 [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?
Pursuant to 40 CFR Section 60.4243 (b)(2)(ii), the permittee shall conduct subsequent performance testing, on ID C106 associated with Source ID P106, every 8760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

SECTION D. Source Level Requirements

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall comply with the testing requirements specified in 40 CFR Section 60.4244.

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.

**# 013 [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 number of hours the engine associated with Source ID P106 operates each calendar year.

(2) The amount of fuel used in the engine associated with Source ID P106 each calendar year.

(3) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxides, and formaldehyde emission limitations for the engine associated with Source ID P106 in any 12 consecutive month period.

(4) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations and the carbon monoxide removal efficiency for ID C106 associated with Source ID P106.

(5) The pressure drop across and the inlet gas temperature of ID C106 on a continuous basis via a data acquisition system.

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

**# 014 [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).

V. REPORTING REQUIREMENTS.

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

(a) The permittee shall submit reports to the Department on an 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, and formaldehyde emission limitations for Source ID P106 in any 12 consecutive month period.

(2) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations and the carbon monoxide removal efficiency for ID C106 associated with Source ID P106.

SECTION D. Source Level Requirements

- (3) The number of hours the engine associated with Source ID P106 operates each calendar year.
- (4) The amount of fuel used in the engine associated with Source ID P106 each calendar year.
- (5) The pressure drop across and the inlet gas temperature of ID C106 on a continuous basis via a data acquisition system.
- (b) The annual reports shall be submitted to the Department no later than March 1 (for the previous calendar year).

016 [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).

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]
Subpart A--General Provisions
Addresses of State air pollution control agencies and EPA Regional Offices.

The submission of all requests, reports, applications, submittals and other communications required by 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 Environmental Protection Agency 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

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.

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

(a) Source ID P106 is a Caterpillar Model G3516 LE, four-stroke lean-burn reciprocating internal combustion engine, rated at 1340 brake-horsepower.

(b) ID C106 is the DCL International model DC65 oxidation catalyst.

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

[Additional authority for this condition is derived from the permittee electing this restriction]

SECTION D. Source Level Requirements

The carbon monoxide, volatile organic compounds, and formaldehyde emissions from Source ID P106 shall be controlled by ID C106. The permittee shall not operate the engine associated with Source ID P106 without the simultaneous operation of the oxidation catalyst associated with ID C106.

020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Am I subject to this subpart?

Source ID P106 is subject to the requirements of 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248.

021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

The permittee shall comply with the requirement specified in 40 CFR Section 60.4234.

022 [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?

The permittee shall comply with the recordkeeping, work practice, and testing requirements specified in 40 CFR Section 60.4243(b)(2)(ii).

023 [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 ID P106 is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, Sections 63.6580 through 63.6675. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart ZZZZ Sections 63.6580 through 63.6675.

024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
What parts of my plant does this subpart cover?

The permittee shall comply with the requirements specified in 40 CFR Section 63.6590(c)(1).

SECTION D. Source Level Requirements

Source ID: P201

Source Name: 25 MMSCF/DAY DEHY WITH 0.75 MMBTU/HR REBOILER

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use natural gas as fuel for the glycol dehydrator associated with Source ID P201.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall keep comprehensive and accurate records of the following for Source ID P201:

(1) The number of hours per calendar year that Source ID P201 operated.

(2) The amount of fuel used per calendar year in Source ID P201.

(3) The supporting calculations on a monthly basis to quantify the nitrogen oxides, carbon monoxide, volatile organic compound, and benzene emissions and to verify compliance with the particulate matter, sulfur oxides, and volatile organic compound emission limitations for the glycol dehydrator associated with Source ID P201 in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc reports that utilize analyses accurately representative of the gas being processed by the glycol dehydrator associated with Source ID P201.

(4) The actual throughput per day and the glycol circulation rate for the glycol dehydrator associated with Source ID P201.

SECTION D. Source Level Requirements

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

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.774]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Recordkeeping requirements.

The permittee shall comply with the applicable recordkeeping requirements specified in 40 CFR Sections 63.774(d)(1), (d)(2), and (g).

V. REPORTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) The number of hours per calendar year that Source ID P201 operated.

(2) The amount of fuel used per calendar year in Source ID P201.

(3) The supporting calculations on a monthly basis used to verify compliance with the particulate matter, sulfur oxides, nitrogen oxides, carbon monoxide, volatile organic compound and benzene emission limitations for the glycol dehydrator associated with Source ID P201 in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc reports that utilize analyses accurately representative of the gas being processed by the glycol dehydrator associated with Source ID P201.

(4) The actual throughput per day and the glycol circulation rate for the glycol dehydrator associated with Source ID P201.

(b) The annual reports shall be submitted to the Department no later than March 1 (for the previous calendar year).

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 63 Subpart HH, Sections 63.760 through 63.777 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency 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

and

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

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.775]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Reporting requirements.

The permittee shall comply with the applicable reporting requirements specified in 40 CFR Sections 63.775(c), (d), and (f).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P201 is subject to the requirements of 40 CFR Part 63 Subpart HH, Sections 63.760 through 63.777. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart HH Sections 63.760 through 63.777.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P201 is a natural gas dehydration unit, rated at 25 million standard cubic feet per day with a 0.75 million Btu per hour natural-gas-fired reboiler burner.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.760]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Applicability and designation of affected source.

The permittee shall comply with the compliance date provisions specified in 40 CFR Section 63.760(f)(6).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.764]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities General standards.

The permittee shall demonstrate compliance with the criteria specified in 40 CFR Sections 63.764(e)(1).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.772]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Test methods, compliance procedures, and compliance demonstrations.

The permittee shall comply with the applicable compliance demonstration procedures specified in 40 CFR Section 63.772(b).

SECTION D. Source Level Requirements

Source ID: P202

Source Name: 75 MMSCF/DAY DEHY WITH 1.5 MMBTU/HR REBOILER

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of the vent associated with Source ID P202 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust of the vents associated with Source ID P202 shall not exceed 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use natural gas as fuel for the glycol dehydrator associated with Source ID P202.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall keep comprehensive and accurate records of the following for Source ID P202:

(1) The number of hours per calendar year that Source ID P202 operated.

(2) The amount of fuel used per calendar year in Source ID P202.

(3) The supporting calculations on a monthly basis to quantify the nitrogen oxides, carbon monoxide, volatile organic compound, and benzene emissions and to verify compliance with the particulate matter, sulfur oxides, and volatile organic compound emission limitations for the glycol dehydrator associated with Source ID P202 in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc reports that utilize analyses accurately representative of the gas being processed by the glycol dehydrator associated with Source ID P202.

(4) The actual throughput per day and the glycol circulation rate for the glycol dehydrator associated with Source ID P202.

SECTION D. Source Level Requirements

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

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.774]**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Recordkeeping requirements.**

The permittee shall comply with the applicable recordkeeping requirements specified in 40 CFR Sections 63.774(d)(1), (d)(2), and (g).

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

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

(1) The number of hours per calendar year that Source ID P202 operated.

(2) The amount of fuel used per calendar year in Source ID P202.

(3) The supporting calculations on a monthly basis used to verify compliance with the particulate matter, sulfur oxides, nitrogen oxides, carbon monoxide, volatile organic compound and benzene emission limitations for the glycol dehydrator associated with Source ID P202 in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc reports that utilize analyses accurately representative of the gas being processed by the glycol dehydrator associated with Source ID P202.

(4) The actual throughput per day and the glycol circulation rate for the glycol dehydrator associated with Source ID P202.

(b) The annual reports shall be submitted to the Department no later than March 1 (for the previous calendar year).

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]**Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 63 Subpart HH, Sections 63.760 through 63.777 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency 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

and

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

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.775]**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Reporting requirements.**

The permittee shall comply with the applicable reporting requirements specified in 40 CFR Sections 63.775(c), (d), and (f).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P202 is subject to the requirements of 40 CFR Part 63 Subpart HH, Sections 63.760 through 63.777. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart HH Sections 63.760 through 63.777.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P202 is a natural gas dehydration unit, rated at 75 million standard cubic feet per day with a 1.5 million Btu per hour natural-gas-fired reboiler burner.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.760]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Applicability and designation of affected source.

The permittee shall comply with the compliance date provisions specified in 40 CFR Section 63.760(f)(6).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.764]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities General standards.

The permittee shall demonstrate compliance with the criteria specified in 40 CFR Sections 63.764(e)(1).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.772]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Test methods, compliance procedures, and compliance demonstrations.

The permittee shall comply with the applicable compliance demonstration procedures specified in 40 CFR Section 63.772(b).

SECTION D. Source Level Requirements

Source ID: P203

Source Name: 35 MMSCF/DAY DEHY WITH 0.75 MMBTU/HR REBOILER

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of the vent associated with Source ID P203 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust of the vents associated with Source ID P203 shall not exceed 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use natural gas as fuel for the glycol dehydrator associated with Source ID P203.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall keep comprehensive and accurate records of the following for Source ID P203:

(1) The number of hours per calendar year that Source ID P203 operated.

(2) The amount of fuel used per calendar year in Source ID P203.

(3) The supporting calculations on a monthly basis to quantify the nitrogen oxides, carbon monoxide, volatile organic compound, and benzene emissions and to verify compliance with the particulate matter, sulfur oxides, and volatile organic compound emission limitations for the glycol dehydrator associated with Source ID P203 in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc reports that utilize analyses accurately representative of the gas being processed by the glycol dehydrator associated with Source ID P203.

(4) The actual throughput per day and the glycol circulation rate for the glycol dehydrator associated with Source ID P203.

SECTION D. Source Level Requirements

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

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.774]**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Recordkeeping requirements.**

The permittee shall comply with the applicable recordkeeping requirements specified in 40 CFR Sections 63.774(d)(1), (d)(2), and (g).

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

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

(1) The number of hours per calendar year that Source ID P203 operated.

(2) The amount of fuel used per calendar year in Source ID P203.

(3) The supporting calculations on a monthly basis used to verify compliance with the particulate matter, sulfur oxides, nitrogen oxides, carbon monoxide, volatile organic compound and benzene emission limitations for the glycol dehydrator associated with Source ID P203 in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc reports that utilize analyses accurately representative of the gas being processed by the glycol dehydrator associated with Source ID P203.

(4) The actual throughput per day and the glycol circulation rate for the glycol dehydrator associated with Source ID P203.

(b) The annual reports shall be submitted to the Department no later than March 1 (for the previous calendar year).

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]**Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 63 Subpart HH, Sections 63.760 through 63.777 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency 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

and

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

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.775]**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Reporting requirements.**

The permittee shall comply with the applicable reporting requirements specified in 40 CFR Sections 63.775(c), (d), and (f).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P203 is subject to the requirements of 40 CFR Part 63 Subpart HH, Sections 63.760 through 63.777. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart HH Sections 63.760 through 63.777.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P203 is a natural gas dehydration unit, rated at 35 million standard cubic feet per day with a 0.75 million Btu per hour natural-gas-fired reboiler burner.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.760]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Applicability and designation of affected source.

The permittee shall comply with the compliance date provisions specified in 40 CFR Section 63.760(f)(6).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.764]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities General standards.

The permittee shall demonstrate compliance with the criteria specified in 40 CFR Sections 63.764(e)(1).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.772]

Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities Test methods, compliance procedures, and compliance demonstrations.

The permittee shall comply with the applicable compliance demonstration procedures specified in 40 CFR Section 63.772(b).



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 by the Department to be insignificant with regards to air contaminant emissions and are determined to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulation and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- 1) 2000-gallon odorant tank, 114-gallon expansion tank, and 0.9486 MMBtu/hr flare



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