



08-00032

REPSOL OIL &amp; GAS USA LLC/THOMAS COMP STA



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: January 13, 2026

Effective Date: January 13, 2026

Expiration Date: January 12, 2031

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: 08-00032**

Synthetic Minor

Federal Tax Id - Plant Code: 98-0381749-1

**Owner Information**

Name: REPSOL OIL &amp; GAS USA LLC

Mailing Address: 337 DANIEL ZENKER DR  
HORSEHEADS, NY 14845-1008

**Plant Information**

Plant: REPSOL OIL &amp; GAS USA LLC/THOMAS COMP STA

Location: 08 Bradford County 08942 Troy Township

SIC Code: 1311 Mining - Crude Petroleum And Natural Gas

**Responsible Official**

Name: SHELDON LILLICO

Title: DIR. MARCELLUS BUS. UNIT

Phone: (607) 562 - 4000

Email: slillico@repsol.com

**Permit Contact Person**

Name: JAMESON GIFFORD

Title: SR. AIR SPECIALIST

Phone: (607) 562 - 4000

Email: jgifford@repsol.com

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

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
P101A	1380 BHP, CAT G3516B ENG 1, UNIT K1101, SN JEF00137		
P101B	1380 BHP, CAT G3516B ENG 2, UNIT K1201, SN JEF00139		
P101C	1380 BHP, CAT G3516B ENG 3, UNIT K1301, SN JEF00134		
P101D	1380 BHP, CAT G3516B ENG 4, UNIT K1401, SN JEF00135		
P101E	1380 BHP, CAT G3516B ENG 5, UNIT K3101, SN JEF00141		
P101F	1380 BHP, CAT G3516B ENG 6, UNIT K3201, SN JEF00148		
P101G	1380 BHP, CAT G3516B ENG 7, UNIT K3301, SN JEF00143		
P101H	1380 BHP, CAT G3516B ENG 8, UNIT K3401, SN JEF00142		
P102A	UNIT 1 GLYCOL DEHYDRATOR RATED 35 MMSCF/DAY		
P102B	UNIT 2 GLYCOL DEHYDRATOR RATED 35 MMSCF/DAY		
P103	TWO EMERGENCY GENERATORS		
P201A	HEATERS/REBOILERS UNIT 1		
P201B	HEATERS/REBOILERS UNIT 2		
P301	TANKS/VESSELS		
P601	VENTING/BLOWDOWNS		
P701	FUGITIVES		
P801	PIGGING OPERATIONS		
C101A	OXIDATION CATALYST		
C101B	OXIDATION CATALYST		
C101C	OXIDATION CATALYST		
C101D	OXIDATION CATALYST		
C101E	OXIDATION CATALYST		
C101F	OXIDATION CATALYST		
C101G	OXIDATION CATALYST		
C101H	OXIDATION CATALYST		
FML01	NATURAL GAS LINE		
S101A	COMPRESSOR ENGINE 1 STACK		
S101B	COMPRESSOR ENGINE 2 STACK		
S101C	COMPRESSOR ENGINE 1 STACK		
S101D	COMPRESSOR ENGINE 4 STACK		
S101E	COMPRESSOR ENGINE 5 STACK		
S101F	COMPRESSOR ENGINE 6 STACK		
S101G	COMPRESSOR ENGINE 7 STACK		
S101H	COMPRESSOR ENGINE 8 STACK		
S103	STACKS FOR EMERGENCY GENERATORS		
Z102A	UNIT 1 GLYCOL DEHYDRATOR STACK		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z102B	UNIT 2 GLYCOL DEHYDRATOR STACK		
Z201B	HEATERS/REBOILERS UNIT 2 STACK		
Z301	TANKS/VESSELS STACK		
Z601	VENTING/BLOWDOWNS STACK		
Z701	FUGITIVES STACK		
Z801	PIGGING OPERATIONS STACK		

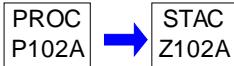
**PERMIT MAPS**



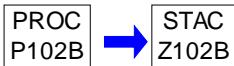
## PERMIT MAPS



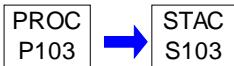
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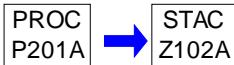
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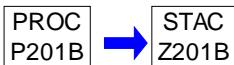
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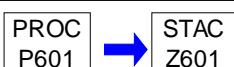
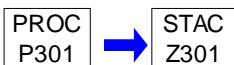
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## SECTION B. General State Only Requirements

### #001 [25 Pa. Code § 121.1]

#### Definitions.

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

### #002 [25 Pa. Code § 127.446]

#### Operating Permit Duration.

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

#### Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

### #004 [25 Pa. Code § 127.703]

#### Operating Permit Fees under Subchapter I.

(a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.

(1) For a synthetic minor facility, a fee equal to:

(i) Four thousand dollars (\$4,000) for calendar years 2021—2025.

(ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.

(iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

(2) For a facility that is not a synthetic minor, a fee equal to:



## SECTION B. General State Only Requirements

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

#### Transfer of Operating Permits.

- (a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.
- (b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.
- (c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

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

#### Inspection and Entry.

- (a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:
  - (1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
  - (2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
  - (3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
  - (4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.
- (b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.
- (c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

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

#### Compliance Requirements.

- (a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:
  - (1) Enforcement action



## SECTION B. General State Only Requirements

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

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

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

### #008 [25 Pa. Code § 127.441]

#### Need to Halt or Reduce Activity Not a Defense.

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

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

#### Duty to Provide Information.

- (a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.
- (b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

### #010 [25 Pa. Code § 127.461]

#### Revising an Operating Permit for Cause.

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

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

### #011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]

#### Operating Permit Modifications

- (a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:
- (b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless



## SECTION B. General State Only Requirements

precluded by the Clean Air Act or its regulations.

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

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

### #012 [25 Pa. Code § 127.441]

#### Severability Clause.

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

### #013 [25 Pa. Code § 127.449]

#### De Minimis Emission Increases.

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

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

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

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

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

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

(2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx 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:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.



## SECTION B. General State Only Requirements

(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)

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

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



## SECTION B. General State Only Requirements

### #015 [25 Pa. Code § 127.11a]

#### Reactivation of Sources

- (a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).
- (b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

### #016 [25 Pa. Code § 127.36]

#### Health Risk-based Emission Standards and Operating Practice Requirements.

- (a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].
- (b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

### #017 [25 Pa. Code § 121.9]

#### Circumvention.

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

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

#### Reporting Requirements.

- (a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.
- (b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.
- (c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:  
  
Regional Air Program Manager  
PA Department of Environmental Protection  
(At the address given in the permit transmittal letter, or otherwise notified)
- (d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.
- (e) Any records, reports or information submitted to the Department shall be available to the public except for such 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.



## SECTION B. General State Only Requirements

### #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.

### #023 [25 Pa. Code § 121.7]

#### Prohibition of Air Pollution

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



## SECTION B. General State Only Requirements

### #024 [25 Pa. Code §135.3]

#### Reporting

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

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

### #025 [25 Pa. Code §135.4]

#### Report Format

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



## SECTION C. Site Level Requirements

### I. RESTRICTIONS.

#### Emission Restriction(s).

##### **# 001 [25 Pa. Code §123.1]**

##### **Prohibition of certain fugitive emissions**

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

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

##### **# 002 [25 Pa. Code §123.2]**

##### **Fugitive particulate matter**

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

##### **# 003 [25 Pa. Code §123.41]**

##### **Limitations**

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

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

##### **# 004 [25 Pa. Code §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 permittee requesting this elective restriction]

- (a) The combined nitrogen oxides (expressed as NO<sub>2</sub>) emissions, from all sources at the facility, shall not equal or exceed 100 tons in any 12 consecutive month period.



## SECTION C. Site Level Requirements

- (b) The combined carbon monoxide emissions, from all sources at the facility, shall not equal or exceed 100 tons in any 12 consecutive month period.
- (c) The combined sulfur oxides (expressed as SO<sub>2</sub>) emissions, from all sources at the facility, shall not equal or exceed 100 tons in any 12 consecutive month period.
- (d) The combined particulate matter less than 10 microns in diameter (PM10) emissions, from all sources at the facility, shall not equal or exceed 100 tons in any 12 consecutive month period.
- (e) The combined particulate matter less than 2.5 microns in diameter (PM2.5) emissions, from all sources at the facility, shall not equal or exceed 100 tons in any 12 consecutive month period.
- (f) The combined volatile organic compounds emissions, from all sources at the facility, shall not equal or exceed 50 tons in any 12 consecutive month period.
- (g) The emission of any single hazardous air pollutant, from all sources at the facility, shall not equal or exceed 10 tons in any 12 consecutive month period.
- (h) The emissions of any combination of hazardous air pollutants, from all sources at the facility, shall not equal or exceed 25 tons in any 12 consecutive month period.

## II. TESTING REQUIREMENTS.

### # 006 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

- (a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager (RA-EPNCstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (RA-EPstacktesting@pa.gov). The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (c) Within sixty (60) days of the completion of the stack tests required by this permit, an electronically submitted copy of the report in .pdf format 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.
- (d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
  1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
  2. Permit number(s) and condition(s) which are the basis for the evaluation.
  3. Summary of results with respect to each applicable permit condition.
  4. Statement of compliance or non-compliance with each applicable permit condition.
- (e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.



## SECTION C. Site Level Requirements

(f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(g) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), one electronic copy of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager (RA-EPNCstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (RA-EPstacktesting@pa.gov) when the file is 35 MB or less, or a flash drive when the file is over 35 MB.

(h) The permittee shall insure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

### # 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.

### # 010 [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 Compression and/or Processing Facilities; GP5-08-00032 authorized on January 26, 2018.]

(a) The permittee shall, at a minimum, on a monthly basis perform a leak detection and repair (LDAR) program that



## SECTION C. Site Level Requirements

includes audible, visual, and olfactory ("AVO") inspections.

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

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

### IV. RECORDKEEPING REQUIREMENTS.

#### # 011 [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 Compression and/or Processing Facilities; GP5-08-00032 authorized on January 26, 2018]

(a) The owner or operator of the facility shall maintain comprehensive and accurate records that clearly demonstrate to the Department that the facility is not a Title V facility. In addition, the owner or operator of the facility shall keep records to verify compliance with the facility-wide emission limitations. The records shall be maintained at a minimum on a monthly basis and the emissions shall be calculated on a 12-month rolling sum.

(b) The records generated above in this condition shall be generated and complete no later than 25 calendar days after the end of each month (for example, the record covering the 12-consecutive month period beginning at the start of December 2025 through the end of November 2026 shall be generated and complete by December 25, 2026). If the 25th calendar day falls on a Saturday or Sunday or legal holiday in this Commonwealth the deadline becomes the next business day that is not a Saturday, Sunday nor holiday.

(c) 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.

#### # 012 [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 quantification of potential and actual air contaminant emissions.

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

### V. REPORTING REQUIREMENTS.

#### # 013 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

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



## SECTION C. Site Level Requirements

improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

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

(c) The report shall describe the following:

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

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

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

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

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

### **# 014 [25 Pa. Code §127.441]**

#### **Operating permit terms and conditions.**

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

### **# 015 [25 Pa. Code §127.441]**

#### **Operating permit terms and conditions.**

[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 Compression and/or Processing Facilities; GP5-08-00032 authorized on January 26, 2018]

The owner or operator of the facility shall annually submit to the Department a certification of compliance with the terms and conditions incorporated into this operating permit, for the previous year, including the applicable emission limitations, standards or work practices. The Compliance Certification Form provided by DEP shall be signed by a Responsible Official (as defined in Pa. Code §121.1). The Compliance Certification Form submitted to the DEP shall contain a certification as to truth, accuracy, and completeness consistent with the requirements of 25 Pa. Code §127.402(d). The Compliance Certification Form must be postmarked or hand-delivered to the appropriate DEP Regional Office, no later than March 1st each year for the previous calendar year. The Compliance Certification Form shall include:

- (i) The identification of each term or condition that is the basis of the certification.
- (ii) The compliance status.
- (iii) The methods used for determining the compliance status of the source, currently and over the reporting period.



## SECTION C. Site Level Requirements

### # 016 [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.

### # 017 [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.

### # 018 [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).

### # 019 [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.

### # 020 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

Pennsylvania DEP is now accepting permit and authorization applications, as well as other documents and correspondence, electronically through DEP's Public Submission Page in Greenport. Access the web page below to submit documents:

<https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

Documents currently submitted through other electronic means such as stack test reports, emission inventory, continuous emission monitoring reports, and asbestos notifications should continue to be submitted using the previously established systems.



## SECTION C. Site Level Requirements

### # 021 [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

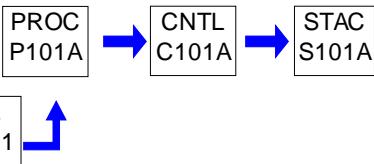
Source ID: P101A

Source Name: 1380 BHP, CAT G3516B ENG 1, UNIT K1101, SN JEF00137

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129

GROUPED CONDITIONS



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) Source ID P101A consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-1101) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101A consists of a Miratech oxidation catalyst, model IQ-26-12-EH1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).



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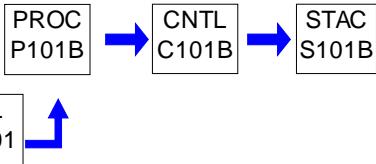


## SECTION D. Source Level Requirements

Source ID: P101B      Source Name: 1380 BHP, CAT G3516B ENG 2, UNIT K1201, SN JEF00139

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129  
GROUPED CONDITIONS



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) Source ID P101B consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-1201) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101B consists of a Miratech oxidation catalyst, model IQ-26-12-EH1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).



## SECTION D. Source Level Requirements

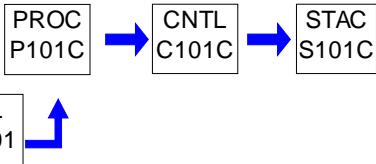
Source ID: P101C

Source Name: 1380 BHP, CAT G3516B ENG 3, UNIT K1301, SN JEF00134

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129

GROUPED CONDITIONS



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) Source ID P101C consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-1301) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101C consists of a Miratech oxidation catalyst, model IQ-26-12-EH1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).



## SECTION D. Source Level Requirements

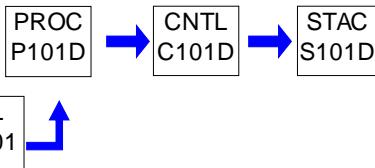
Source ID: P101D

Source Name: 1380 BHP, CAT G3516B ENG 4, UNIT K1401, SN JEF01135

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129

GROUPED CONDITIONS



### I. RESTRICTIONS.

#### Emission Restriction(s).

##### # 001 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

[Additional authority for this permit condition is derived from the General Plan Approval and/or General Operating Permit (BAQ-GPA/GP 5) for Natural Gas Compression and/or Processing Facilities; GP5-08-00032 authorized on January 26, 2018.]

The permittee shall not permit the following air contaminant emissions from the exhaust of the oxidation catalyst associated with this engine in excess of the limitations listed below:

(a) nitrogen oxides (NOx, expressed as NO2) - 0.50 grams per brake horsepower-hour, 1.52 pounds per hour and 6.66 tons in any 12 consecutive month period,

(b) total combined volatile organic compounds (excluding formaldehyde) (VOC) - 0.25 grams per brake horsepower-hour, 0.76 pounds per hour and 3.33 tons in any 12 consecutive month period,

(c) formaldehyde - 0.05 grams per brake horsepower-hour, 0.15 pounds per hour and 0.67 tons in any 12 consecutive month period.

##### # 002 [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 Compression and/or Processing Facilities; GP5-08-00032 authorized on January 26, 2018.]

The permittee shall not permit the following air contaminant emissions from the exhaust of the oxidation catalyst associated with this engine in excess of the limitations listed below:

(a) carbon monoxide (CO) - 47 parts per million @ 15% O<sub>2</sub>, dry volume basis OR achieve at least 93% reduction, 0.52 pounds per hour and 2.27 tons in any 12 consecutive month period.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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



## SECTION D. Source Level Requirements

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 003 [25 Pa. Code §127.441]**

#### **Operating permit terms and conditions.**

(a) Source ID P101D consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-1401) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101D consists of a Miratech oxidation catalyst, model ZHS-36x31-14-XH2B1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).

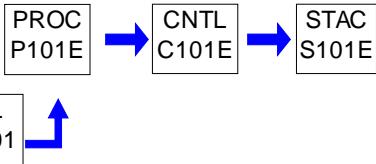


## SECTION D. Source Level Requirements

Source ID: P101E      Source Name: 1380 BHP, CAT G3516B ENG 5, UNIT K3101, SN JEF00141

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129  
GROUPED CONDITIONS



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) Source ID P101E consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-3101) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101E consists of a Miratech oxidation catalyst, model IQ-26-12-EH1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).

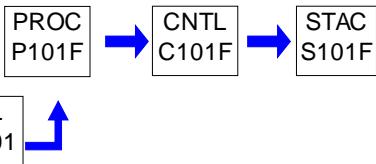


## SECTION D. Source Level Requirements

Source ID: P101F      Source Name: 1380 BHP, CAT G3516B ENG 6, UNIT K3201, SN JEF00148

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129  
GROUPED CONDITIONS



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) Source ID P101F consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-3201) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101F consists of a Miratech oxidation catalyst, model IQ-26-12-EH1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).



## SECTION D. Source Level Requirements

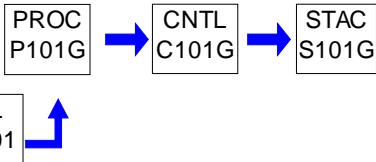
Source ID: P101G

Source Name: 1380 BHP, CAT G3516B ENG 7, UNIT K3301, SN JEF00143

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129

GROUPED CONDITIONS



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) Source ID P101G consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-3301) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101G consists of a Miratech oxidation catalyst, model IQ-26-12-EH1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).

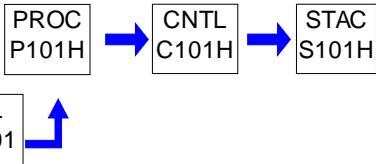


## SECTION D. Source Level Requirements

Source ID: P101H      Source Name: 1380 BHP, CAT G3516B ENG 8, UNIT K3401, SN JEF00142

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 25 PA CODE SECT. 129  
GROUPED CONDITIONS



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) Source ID P101H consists of one natural gas-fired, Caterpillar Model G3516B, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine (K-3401) rated at 1380 brake-horsepower equipped with low NOx electronic control technology.

(b) ID C101H consists of a Miratech oxidation catalyst, model IQ-26-12-EH1 (or alternate oxidation catalyst determined by the Department to have equivalent or greater air contaminant control efficiencies).

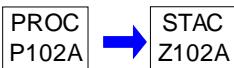


## SECTION D. Source Level Requirements

Source ID: P102A

Source Name: UNIT 1 GLYCOL DEHYDRATOR RATED 35 MMSCF/DAY

Source Capacity/Throughput:

FML  
FML01

### I. RESTRICTIONS.

#### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

##### Processes

The concentration of particulate matter in the exhaust of this glycol dehydrator 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 (SO<sub>2</sub>), in the exhaust from this glycol dehydrator shall not exceed 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The total combined volatile organic compounds emissions from this glycol dehydrator shall not exceed 1.10 tons in any 12 consecutive month period.

#### Fuel Restriction(s).

**# 004 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The permittee shall only use natural gas as fuel for this glycol dehydrator.

### 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.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.773]**

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

The permittee shall comply with the applicable requirements specified in 40 CFR Section 63.773.

### IV. RECORDKEEPING REQUIREMENTS.

**# 006 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

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

(1) The number of hours per calendar year that this glycol dehydrator operated.



## SECTION D. Source Level Requirements

(2) The amount of fuel used per calendar year in this glycol dehydrator.

(3) The supporting calculations on a monthly basis used to verify compliance with the volatile organic compound emission limitation for this glycol dehydrator in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc, ProMax, or AspenTech HYSYS reports that utilize analyses accurately representative of the gas being processed by this glycol dehydrator.

(4) The actual throughput per day and the glycol circulation rate for this glycol dehydrator.

(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.

### **# 007 [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 requirements specified in 40 CFR Section 63.774.

## **V. REPORTING REQUIREMENTS.**

### **# 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 requirements specified in 40 CFR Section 63.775(c), (d), and (f).

## **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 P102A consists of a natural gas dehydration unit, rated at 35 million standard cubic feet per day, designated by the permittee as V-600.

### **# 010 [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 applicable requirements specified in 40 CFR Section 63.760(f)(6).

### **# 011 [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 comply with the applicable requirements specified in 40 CFR Section 63.764(e)(1).

### **# 012 [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 requirements specified in 40 CFR Section 63.772(b).



## SECTION D. Source Level Requirements

Source ID: P102B

Source Name: UNIT 2 GLYCOL DEHYDRATOR RATED 35 MMSCF/DAY

Source Capacity/Throughput:

PROC  
P102B



STAC  
Z102B

FML  
FML01



### I. RESTRICTIONS.

#### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

##### Processes

The concentration of particulate matter in the exhaust of this glycol dehydrator 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 (SO<sub>2</sub>), in the exhaust from this glycol dehydrator shall not exceed 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The total combined volatile organic compounds emissions from this glycol dehydrator shall not exceed 1.10 tons in any 12 consecutive month period.

#### Fuel Restriction(s).

**# 004 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

The permittee shall only use natural gas as fuel for this glycol dehydrator.

### 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.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.773]**

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

The permittee shall comply with the applicable requirements specified in 40 CFR Section 63.773.

### IV. RECORDKEEPING REQUIREMENTS.

**# 006 [25 Pa. Code §127.441]**

##### Operating permit terms and conditions.

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

(1) The number of hours per calendar year that this glycol dehydrator operated.



## SECTION D. Source Level Requirements

(2) The amount of fuel used per calendar year in this glycol dehydrator.

(3) The supporting calculations on a monthly basis used to verify compliance with the volatile organic compound emission limitation for this glycol dehydrator in any 12 consecutive month period. The supporting calculations shall rely upon accurate up-to-date GRI-GLYCalc, ProMax, or AspenTech HYSYS reports that utilize analyses accurately representative of the gas being processed by this glycol dehydrator.

(4) The actual throughput per day and the glycol circulation rate for this glycol dehydrator.

(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.

**# 007 [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 requirements specified in 40 CFR Section 63.774.

## V. REPORTING REQUIREMENTS.

**# 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 requirements specified in 40 CFR Section 63.775(c), (d), and (f).

## 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 P102B consists of a natural gas dehydration unit, rated at 35 million standard cubic feet per day, designated by the permittee as V-1600.

**# 010 [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 applicable requirements specified in 40 CFR Section 63.760(f)(6).

**# 011 [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 comply with the applicable requirements specified in 40 CFR Section 63.764(e)(1).

**# 012 [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 requirements specified in 40 CFR Section 63.772(b).



## SECTION D. Source Level Requirements

Source ID: P103

Source Name: TWO EMERGENCY GENERATORS

Source Capacity/Throughput:

PROC  
P103



STAC  
S103

FML  
FML01



### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §123.13]

##### Processes

The concentration of particulate matter in the exhaust of each engine 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 (SO<sub>2</sub>), in the exhaust from each engine shall not exceed 500 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?

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

(a) The emissions from each engine shall not exceed the following limitations:

(1) nitrogen oxides: 10 grams per brake horsepower-hour

(2) carbon monoxide: 387 grams per brake horsepower-hour

#### Fuel Restriction(s).

# 004 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

The generators incorporated in Source P103 shall be fired on natural gas only.

#### Operation Hours Restriction(s).

# 005 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

Each generator incorporated in Source P103 shall not be operated in excess of 100 hours in any 12 consecutive month period. This 100-hour limitation only applies to non-emergency use. There is no limit on the number of hours of emergency operation.

### II. TESTING REQUIREMENTS.

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



## SECTION D. Source Level Requirements

### III. MONITORING REQUIREMENTS.

**# 006 [25 Pa. Code §127.441]**

#### **Operating permit terms and conditions.**

Each engine shall be equipped with a non-resettable hour meter.

### IV. RECORDKEEPING REQUIREMENTS.

**# 007 [25 Pa. Code §127.441]**

#### **Operating permit terms and conditions.**

(a) The permittee shall maintain records of the number of hours each generator incorporated in Source P103 is operated each month.

(b) The permittee shall keep records demonstrating that the engines comply with the emission limitations.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 008 [25 Pa. Code §127.441]**

#### **Operating permit terms and conditions.**

The permittee shall operate and maintain each engine according to the manufacturer's written instructions and good air pollution control practices.

### VII. ADDITIONAL REQUIREMENTS.

**# 009 [25 Pa. Code §127.441]**

#### **Operating permit terms and conditions.**

Source P103 consists of:

One 114 bhp Cummins model GGHG-1107029 natural gas-fired emergency generator

One 107 bhp Generac model WSG1068 natural gas-fired emergency generator



## SECTION D. Source Level Requirements

Source ID: P201A

Source Name: HEATERS/REBOILERS UNIT 1

Source Capacity/Throughput:

PROC  
P201A



STAC  
Z102A

FML  
FML01



### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §123.22]

##### Combustion units

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from Source ID P201A in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

# 002 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

Source P201A is the 0.25 MMBtu/hr natural gas-fired reboiler associated with the glycol dehydrator incorporated in Source P102A.



## SECTION D. Source Level Requirements

Source ID: P201B

Source Name: HEATERS/REBOILERS UNIT 2

Source Capacity/Throughput:

PROC  
P201B



STAC  
Z201B

FML  
FML01



### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §123.22]

##### Combustion units

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from Source ID P201B in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

# 002 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

Source P201B is the 0.25 MMBtu/hr natural gas-fired reboiler associated with the glycol dehydrator incorporated in Source P102B.

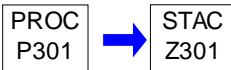


## SECTION D. Source Level Requirements

Source ID: P301

Source Name: TANKS/VESSELS

Source Capacity/Throughput:



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

#### # 001 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

Source P301 consists of:

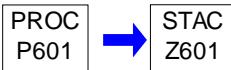
- (1) two 250 barrel (10,500 gal) produced water tanks
- (2) one 150 barrel (6,300 gal) oil tank
- (3) one 150 barrel (6,300 gal) water/glycol mix tank



## SECTION D. Source Level Requirements

Source ID: P601      Source Name: VENTING/BLOWWDOWNS

Source Capacity/Throughput:



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P601 consists of the venting and blowdown activities at the facility.

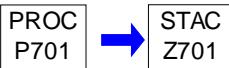


## SECTION D. Source Level Requirements

Source ID: P701

Source Name: FUGITIVES

Source Capacity/Throughput:



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

#### # 001 [25 Pa. Code §129.127]

##### **Fugitive emissions components**

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

(m) Recordkeeping and reporting requirements. The owner or operator of a fugitive emissions component subject to this section shall maintain the records under § 129.130(g) and submit the reports under § 129.130(k)(3)(vi).

#### # 002 [25 Pa. Code §129.130]

##### **Recordkeeping and reporting**

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(a)]

(a) Recordkeeping. The owner or operator of a source subject to §§ 129.121—129.129 shall maintain the applicable records onsite or at the nearest local field office for 5 years. The records shall be made available to the Department upon request.

#### # 003 [25 Pa. Code §129.130]

##### **Recordkeeping and reporting**

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

(g) Fugitive emissions components. The records for each fugitive emissions component must include the following, as applicable:

(3) For a well site subject to § 129.127(c)(2) or (c)(3), a natural gas gathering and boosting station or a natural gas processing plant:

(ii) The records of each monitoring survey conducted under § 129.127(c)(2)(ii), (c)(3)(ii) or (e)(2). The monitoring survey must include the following information:

(A) The facility name and location.

(B) The date, start time and end time of the survey.



## SECTION D. Source Level Requirements

- (C) The name of the equipment operator performing the survey.
- (D) The monitoring instrument used.
- (E) The ambient temperature, sky conditions and maximum wind speed at the time of the survey.
- (F) Each deviation from the monitoring plan or a statement that there were none.
- (G) Documentation of each fugitive emission including:
  - (I) The identification of each component from which fugitive emissions were detected.
  - (II) The instrument reading of each fugitive emissions component that meets the definition of a leak under § 129.122(a) (relating to definitions, acronyms and EPA methods).
  - (III) The repair methods applied in each attempt to repair the component.
  - (IV) The tagging or digital photographing of each component not repaired during the monitoring survey in which the fugitive emissions were discovered.
  - (V) The reason a component was placed on delay of repair.
  - (VI) The date of successful repair of the component.
  - (VII) If repair of the component was not completed during the monitoring survey in which the fugitive emissions were discovered, the information on the instrumentation or the method used to resurvey the component after repair.

## V. REPORTING REQUIREMENTS.

### # 004 [25 Pa. Code §129.130]

#### Recordkeeping and reporting

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(k)]

(k) Reporting. The owner or operator of a source subject to § 129.121(a) (relating to general provisions and applicability) shall do the following:

- (1) Submit an initial annual report to the Air Program Manager of the appropriate Department Regional Office by December 10, 2023, and annually thereafter on or before June 1.
  - (i) The responsible official must sign, date and certify compliance and include the certification in the initial report and each subsequent annual report.
  - (ii) The due date of the initial report may be extended with the written approval of the Air Program Manager of the appropriate Department Regional Office.
- (2) Submit the reports under paragraph (3) in a manner prescribed by the Department.
- (3) Submit the information specified in subparagraphs (i)–(ix) for each report as applicable:
  - (vi) Fugitive emissions components. The report for each fugitive emissions component must include the records of each monitoring survey conducted during the reporting period as specified in subsection (g)(3)(ii).



## SECTION D. Source Level Requirements

### VI. WORK PRACTICE REQUIREMENTS.

#### # 005 [25 Pa. Code §129.127]

##### **Fugitive emissions components**

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

(b) Average production calculation procedure for a well site. Beginning on or before January 9, 2023:

(1) The owner or operator of a well site subject to subsection (a)(1) shall calculate the average production in barrels of oil equivalent per day of the well site using the previous 12 calendar months of operation as reported to the Department and thereafter as specified in subsection (c)(4) for the previous calendar year. The owner or operator shall do the following:

- (i) For each well at the well site with production reported to the Department:
  - (A) Record the barrels of oil produced for each active well.
  - (B) Convert the natural gas production for each active well to equivalent barrels of oil by dividing the standard cubic feet of natural gas produced by 6,000 standard cubic feet per barrel of oil equivalent.
  - (C) Convert the condensate production for each active well to equivalent barrels of oil by multiplying the barrels of condensate by 0.9 barrels of oil equivalent per barrel of condensate.
- (ii) Calculate the total production for each active well, in barrels of oil equivalent, by adding the results of subparagraph (i)(A)—(C) for each active well.
- (iii) Sum the results of subparagraph (ii) for all active wells at the well site and divide by 365 or 366 days for the previous 12 calendar months or the previous calendar year, as applicable.

(2) If the owner or operator does not know the production of an individual well at the well site, the owner or operator shall comply with subsection (c)(2).

#### # 006 [25 Pa. Code §129.127]

##### **Fugitive emissions components**

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

(c) Requirements for an unconventional well site.

(2) For a well site producing, on average, equal to or greater than 15 barrels of oil equivalent per day, with at least one well producing, on average, equal to or greater than 15 barrels of oil equivalent per day, the owner or operator shall:

- (i) Conduct a monthly AVO inspection by at least 15 calendar days but not more than 45 calendar days.
- (ii) Conduct a quarterly LDAR inspection program separated by at least 60 calendar days but not more than 120 calendar days using one or more of the following:
  - (A) OGI equipment.
  - (B) A gas leak detector that meets the requirements of EPA Method 21.
  - (C) Another leak detection method approved by the Department.

(3) For a well site producing, on average, equal to or greater than 15 barrels of oil equivalent per day, and at least one well producing, on average, equal to or greater than 5 barrels of oil equivalent per day but less than 15 barrels of oil equivalent per day, the owner or operator shall:

- (i) Conduct a monthly AVO inspection separated by at least 15 calendar days but not more than 45 calendar days.



## SECTION D. Source Level Requirements

(ii) Conduct an annual LDAR inspection program separated by at least 335 calendar days but not more than 395 calendar days using one or more of the following:

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

(4) The owner or operator of a producing well site shall calculate the average production of the well site under subsection (b) for the previous calendar year not later than February 15 and may adjust the frequency of the required LDAR inspection as follows:

- (i) If two consecutive calculations show reduced production, the owner or operator may adopt the requirements applicable to the reduced production level.
- (ii) If a calculation shows higher production, the owner or operator shall adopt the requirements applicable to the higher production level immediately.

(5) The owner or operator of a well site subject to paragraph (3) may submit to the Department Northcentral Regional Office a request, in writing, for an exemption from the requirements of paragraph (3)(ii).

- (i) The written request must include the following:
  - (A) Name and location of the well site.
  - (B) A demonstration that the requirements of paragraph (3)(ii) are not technically or economically feasible for the well site.
  - (C) Sufficient methods for demonstrating compliance with all applicable standards or regulations promulgated under the Clean Air Act or the Act.
  - (D) Sufficient methods for demonstrating compliance with this section, §§ 129.121—129.126 and 129.128—129.130.
- (ii) The Department will review the complete written request submitted in accordance with subparagraph (i) and approve or deny the request in writing.
- (iii) The Department will submit each exemption determination approved under subparagraph (ii) to the Administrator of the EPA for approval as a revision to the SIP. The owner or operator shall bear the costs of public hearings and notifications, including newspaper notices, required for the SIP submittal.
- (iv) The owner or operator of the well site identified in subparagraph (i)(A) shall remain subject to the requirements of paragraphs (1), (3)(i) and (4).

### # 007 [25 Pa. Code §129.127]

#### **Fugitive emissions components**

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

(e) Requirements for a natural gas gathering and boosting station or a natural gas processing plant. The owner or operator of a natural gas gathering and boosting station or a natural gas processing plant shall conduct the following:

- (1) A monthly AVO inspection separated by at least 15 calendar days but not more than 45 calendar days.
- (2) A quarterly LDAR inspection program separated by at least 60 calendar days but not more than 120 calendar days using one or more of the following:



## SECTION D. Source Level Requirements

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

### # 008 [25 Pa. Code §129.127]

#### Fugitive emissions components

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

(g) Fugitive emissions monitoring plan. The owner or operator shall develop, in writing, an emissions monitoring plan that covers the collection of fugitive emissions components at the subject facility within each company-defined area. The written plan must include the following elements:

- (1) The technique used for determining fugitive emissions.
- (2) A list of fugitive emissions detection equipment, including the manufacturer and model number, that may be used at the facility.
- (3) A list of personnel that may conduct the monitoring surveys at the facility, including their training and experience.
- (4) The procedure and timeframe for identifying and fixing a fugitive emissions component from which fugitive emissions are detected, including for a component that is unsafe-to-repair.
- (5) The procedure and timeframe for verifying fugitive emissions component repairs.
- (6) The procedure and schedule for verifying the fugitive emissions detection equipment is operating properly.
  - (i) For OGI equipment, the verification must be completed as specified in subsection (h).
  - (ii) For gas leak detection equipment using EPA Method 21, the verification must be completed as specified in subsection (i).
  - (iii) For a Department-approved method, a copy of the request for approval that shows the method's equivalence to subsection (h) or subsection (i).
- (7) A sitemap.
- (8) If using OGI, a defined observation path that meets the following:
  - (i) Ensures that all fugitive emissions components are within sight of the path.
  - (ii) Accounts for interferences.
- (9) If using EPA Method 21, a list of the fugitive emissions components to be monitored and an identification method to locate them in the field.
- (10) A written plan for each fugitive emissions component designated as difficult-to-monitor or unsafe-to-monitor which includes the following:
  - (i) A method to identify a difficult-to-monitor or unsafe-to-monitor component in the field.
  - (ii) The reason each component was identified as difficult-to-monitor or unsafe-to-monitor.
  - (iii) The monitoring schedule for each component identified as difficult-to-monitor or unsafe-to-monitor. The monitoring



## SECTION D. Source Level Requirements

schedule for difficult-to-monitor components must include at least one survey per year no more than 13 months apart.

### # 009 [25 Pa. Code §129.127]

#### **Fugitive emissions components**

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

(h) Verification procedures for OGI equipment. An owner or operator that identifies OGI equipment in the fugitive emissions monitoring plan in subsection (g)(6)(i) shall complete the verification by doing the following:

(1) Demonstrating that the OGI equipment is capable of imaging a gas:

- (i) In the spectral range for the compound of highest concentration in the potential fugitive emissions.
- (ii) That is half methane, half propane at a concentration of 10,000 ppm at a flow rate of less than or equal to 60 grams per hour (2.115 ounces per hour) from a 1/4-inch diameter orifice.

(2) Performing a verification check each day prior to use.

(3) Determining the equipment operator's maximum viewing distance from the fugitive emissions component and how the equipment operator will ensure that this distance is maintained.

(4) Determining the maximum wind speed during which monitoring can be performed and how the equipment operator will ensure monitoring occurs only at wind speeds below this threshold.

(5) Conducting the survey by using the following procedures:

- (i) Ensuring an adequate thermal background is present to view potential fugitive emissions.
- (ii) Dealing with adverse monitoring conditions, such as wind.
- (iii) Dealing with interferences, such as steam.

(6) Following the manufacturer's recommended calibration and maintenance procedures.

### # 010 [25 Pa. Code §129.127]

#### **Fugitive emissions components**

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

(i) Verification procedures for gas leak detection equipment using EPA Method 21. An owner or operator that identifies gas leak detection equipment using EPA Method 21 in the fugitive emissions monitoring plan in subsection (g)(6)(ii) shall complete the verification by doing the following:

(1) Verifying that the gas leak detection equipment meets:

- (i) The requirements of Section 6.0 of EPA Method 21 with a fugitive emissions definition of 500 ppm or greater calibrated as methane using an FID-based instrument.
- (ii) A site-specific fugitive emission definition that would be equivalent to subparagraph (i) for other equipment approved for use in EPA Method 21 by the Department.

(2) Using the average composition of the fluid, not the individual organic compounds in the stream, when performing the instrument response factor of Section 8.1.1 of EPA Method 21.



## SECTION D. Source Level Requirements

(3) Calculating the average stream response factor on an inert-free basis for process streams that contain nitrogen, air or other inert gases that are not organic hazardous air pollutants or VOCs.

(4) Calibrating the gas leak detection instrument in accordance with Section 10.1 of EPA Method 21 on each day of its use using zero air, defined as a calibration gas with less than 10 ppm by volume of hydrocarbon in air, and a mixture of methane in air at a concentration less than 10,000 ppm by volume as the calibration gases.

(5) Conducting the surveys which, at a minimum, must comply with the relevant sections of EPA Method 21, including Section 8.3.1.

### # 011 [25 Pa. Code §129.127]

#### **Fugitive emissions components**

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

(j) Fugitive emissions detection devices. Fugitive emissions detection devices must be operated and maintained in accordance with manufacturer-recommended procedures and as required by the test method or a Department-approved method.

### # 012 [25 Pa. Code §129.127]

#### **Fugitive emissions components**

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

(k) Background adjustment. For LDAR inspections using a gas leak detector in accordance with EPA Method 21, the owner or operator may choose to adjust the gas leak detection instrument readings to account for the background organic concentration level as determined by the procedures of Section 8.3.2 of EPA Method 21.

### # 013 [25 Pa. Code §129.127]

#### **Fugitive emissions components**

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

(l) Repair and resurvey provisions. The owner or operator shall repair a leak detected from a fugitive emissions component as follows:

(1) A first attempt at repair must be made within 5 calendar days of detection, and repair must be completed no later than 15 calendar days after the leak is detected unless:

(i) The purchase of a part is required. The repair must be completed no later than 10 calendar days after the receipt of the purchased part.

(ii) The repair is technically infeasible because of one of the following reasons:

(A) It requires vent blowdown.

(B) It requires facility shutdown.

(C) It requires a well shut-in.

(D) It is unsafe to repair during operation of the unit.

(iii) A repair that is technically infeasible under subparagraph (ii) must be completed at the earliest of the following:

(A) After a planned vent blowdown.



## SECTION D. Source Level Requirements

- (B) The next facility shutdown.
- (C) Within 2 years.

(2) The owner or operator shall resurvey the fugitive emissions component no later than 30 calendar days after the leak is repaired.

(3) For a repair that cannot be made during the monitoring survey when the leak is initially found, the owner or operator shall do one of the following:

- (i) Take a digital photograph of the fugitive emissions component which includes:
  - (A) The date the photo was taken.
  - (B) Clear identification of the component by location, such as by latitude and longitude or other descriptive landmarks visible in the picture.
- (ii) Tag the component for identification purposes.

(4) A gas leak is considered repaired if:

- (i) There is no visible leak image when using OGI equipment calibrated according to subsection (h).
- (ii) A leak concentration of less than 500 ppm as methane is detected when the gas leak detector probe inlet is placed at the surface of the fugitive emissions component for a gas leak detector calibrated according to subsection (i).
- (iii) There are no detectable emissions consistent with Section 8.3.2 of EPA Method 21.
- (iv) There is no bubbling at the leak interface using the soap solution bubble test specified in Section 8.3.3 of EPA Method 21.

## VII. ADDITIONAL REQUIREMENTS.

### # 014 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

Source P701 consists of all of the fugitive components (connections, valves, seals, etc.) located throughout the facility.

### # 015 [25 Pa. Code §129.127]

#### Fugitive emissions components

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

(a) Applicability. This section applies to the owner or operator of a fugitive emissions component subject to § 129.121(a)(5) (relating to general provisions and applicability), located at one or more of the following:

- (1) An unconventional well site.
- (2) A natural gas gathering and boosting station.

### # 016 [25 Pa. Code §129.127]

#### Fugitive emissions components

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

(f) Requirements for extension of the LDAR inspection interval. The owner or operator of an affected facility may request, in writing, an extension of the LDAR inspection interval from the Air Program Manager of the Department Northcentral Regional



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## SECTION D. Source Level Requirements

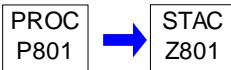
Office.



## SECTION D. Source Level Requirements

Source ID: P801      Source Name: PIGGING OPERATIONS

Source Capacity/Throughput:



### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P801 consists of the pigging activities at the facility.



## SECTION E. Source Group Restrictions.

Group Name: 25 PA CODE SECT. 129

Group Description: Control of VOCs from compressors

Sources included in this group

ID	Name
P101A1380	BHP, CAT G3516B ENG 1, UNIT K1101, SN JEF00137
P101B1380	BHP, CAT G3516B ENG 2, UNIT K1201, SN JEF00139
P101C1380	BHP, CAT G3516B ENG 3, UNIT K1301, SN JEF00134
P101D1380	BHP, CAT G3516B ENG 4, UNIT K1401, SN JEF00135
P101E1380	BHP, CAT G3516B ENG 5, UNIT K3101, SN JEF00141
P101F1380	BHP, CAT G3516B ENG 6, UNIT K3201, SN JEF00148
P101G1380	BHP, CAT G3516B ENG 7, UNIT K3301, SN JEF00143
P101H1380	BHP, CAT G3516B ENG 8, UNIT K3401, SN JEF00142

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

#### # 001 [25 Pa. Code §129.126]

##### Compressors

[Additional authority for this condition is derived from 25 Pa. Code Section 129.126(e)]

(e) Recordkeeping and reporting requirements. The owner or operator of a reciprocating compressor or centrifugal compressor subject to this section shall do the following, as applicable:

(1) For a reciprocating compressor, maintain the records under § 129.130(e) (relating to recordkeeping and reporting) and submit the reports under § 129.130(k)(3)(iv).

#### # 002 [25 Pa. Code §129.130]

##### Recordkeeping and reporting

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(a)]

(a) Recordkeeping. The owner or operator of a source subject to §§ 129.121—129.129 shall maintain the applicable records onsite or at the nearest local field office for 5 years. The records shall be made available to the Department upon request.

#### # 003 [25 Pa. Code §129.130]

##### Recordkeeping and reporting

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(e)]

(e) Reciprocating compressors. The records for each reciprocating compressor must include the following, as applicable:

(1) For a reciprocating compressor under § 129.126(b)(1)(i) (relating to compressors), the following records:

(i) The cumulative number of hours of operation.



## SECTION E. Source Group Restrictions.

- (ii) The date and time of each rod packing replacement.
- (2) For a reciprocating compressor under § 129.126(b)(1)(ii), the following records:
  - (i) The number of months since the previous replacement of the rod packing.
  - (ii) The date of each rod packing replacement.
- (3) For a reciprocating compressor under § 129.126(b)(2), the following records:
  - (i) A statement that emissions from the rod packing are being routed to a control device or a process through a closed vent system under negative pressure.
  - (ii) The date of installation of a rod packing emissions collection system and closed vent system as specified in § 129.126(b)(2).
- (4) Each deviation when the reciprocating compressor was not operated in compliance with § 129.126(b).

## V. REPORTING REQUIREMENTS.

### # 004 [25 Pa. Code §129.130]

#### Recordkeeping and reporting

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(k)]

(k) Reporting. The owner or operator of a source subject to § 129.121(a) (relating to general provisions and applicability) shall do the following:

- (1) Submit a report to the Air Program Manager of the Department Northcentral Regional Office annually on or before June 1.
  - (i) The responsible official must sign, date and certify compliance and include the certification in the initial report and each subsequent annual report.
  - (ii) The due date of the initial report may be extended with the written approval of the Air Program Manager of the Department Northcentral Regional Office.
- (2) Submit the reports under paragraph (3) in a manner prescribed by the Department.
- (3) Submit the information specified in subparagraphs (i)—(ix) for each report as applicable:
  - (iv) Reciprocating compressors. The report for each reciprocating compressor must include the information specified in subsection (e) for the reporting period, as applicable.

## VI. WORK PRACTICE REQUIREMENTS.

### # 005 [25 Pa. Code §129.126]

#### Compressors

[Additional authority for this condition is derived from 25 Pa. Code Section 129.126(b)]

(b) VOC emissions control requirements for a reciprocating compressor. Beginning December 10, 2023, the owner or operator of a reciprocating compressor subject to this section shall meet one of the following:

- (1) Replace the reciprocating compressor rod packing on or before one of the following:
  - (i) The reciprocating compressor has operated for 26,000 hours. The number of hours of operation must be continuously monitored beginning on the later of:



## SECTION E. Source Group Restrictions.

- (A) The date of the most recent reciprocating compressor rod packing replacement.
- (B) December 10, 2022, for a reciprocating compressor rod packing that has not yet been replaced.
- (ii) The reciprocating compressor has operated for 36 months. The number of months of operation must be continuously monitored beginning on the later of:
  - (A) The date of the most recent reciprocating compressor rod packing replacement.
  - (B) December 10, 2025, for a reciprocating compressor rod packing that has not yet been replaced.
- (2) Route the VOC emissions to a control device or a process that meets § 129.129 (relating to control devices) by using a reciprocating compressor rod packing emissions collection system that operates under negative pressure and meets the cover requirements of § 129.128(a) (relating to covers and closed vent systems) and the closed vent system requirements of § 129.128(b).

## VII. ADDITIONAL REQUIREMENTS.

### # 006 [25 Pa. Code §129.126]

#### Compressors

[Additional authority for this condition is derived from 25 Pa. Code Section 129.126(a)]

(a) Applicability. This section applies to the owner or operator of a reciprocating compressor or centrifugal compressor subject to § 129.121(a)(4) (relating to general provisions and applicability) that meets the following:

(1) Reciprocating compressor. Each reciprocating compressor located between the wellhead and point of custody transfer to the natural gas transmission and storage segment.



## SECTION E. Source Group Restrictions.

Group Name: GROUPED CONDITIONS

Group Description: Grouped Conditions

Sources included in this group

ID	Name
P101A1380	BHP, CAT G3516B ENG 1, UNIT K1101, SN JEF00137
P101B1380	BHP, CAT G3516B ENG 2, UNIT K1201, SN JEF00139
P101C1380	BHP, CAT G3516B ENG 3, UNIT K1301, SN JEF00134
P101D1380	BHP, CAT G3516B ENG 4, UNIT K1401, SN JEF01135
P101E1380	BHP, CAT G3516B ENG 5, UNIT K3101, SN JEF00141
P101F1380	BHP, CAT G3516B ENG 6, UNIT K3201, SN JEF00148
P101G1380	BHP, CAT G3516B ENG 7, UNIT K3301, SN JEF00143
P101H1380	BHP, CAT G3516B ENG 8, UNIT K3401, SN JEF00142

### I. RESTRICTIONS.

#### Emission Restriction(s).

##### # 001 [25 Pa. Code §123.13]

###### Processes

The concentration of particulate matter in the exhaust of each oxidation catalyst associated with each engine 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 (SO<sub>2</sub>), in the exhaust from each oxidation catalyst associated with each engine shall not exceed 500 parts per million, by volume, dry basis.

##### # 003 [25 Pa. Code §127.441]

###### Operating permit terms and conditions.

The permittee shall not permit the following air contaminant emissions from the exhaust of each oxidation catalyst associated with each engine in excess of the limitations listed below:

(a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 0.55 grams per brake horsepower-hour, 1.67 pounds per hour and 7.33 tons in any 12 consecutive month period,

(b) carbon monoxide (CO) - 0.255 grams per brake horsepower-hour, 0.78 pounds per hour and 3.40 tons in any 12 consecutive month period,

(c) total combined volatile organic compounds (excluding formaldehyde) (VOC) - 0.252 grams per brake horsepower-hour, 0.77 pounds per hour and 3.36 tons in any 12 consecutive month period,

(d) formaldehyde - 0.045 grams per brake horsepower-hour, 0.14 pounds per hour and 0.60 tons in any 12 consecutive month period.

The above limitations do not apply to Source P101D, which has its own dedicated emission limitations specified in this permit.

##### # 004 [25 Pa. Code §127.441]

###### Operating permit terms and conditions.

Visible emissions from the exhaust of each oxidation catalyst associated with each engine 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.

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



## SECTION E. Source Group Restrictions.

### # 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 requirements 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 each engine.

## II. TESTING REQUIREMENTS.

### # 008 [25 Pa. Code §127.441]

#### Operating permit terms and conditions.

(a) The permittee shall perform annual nitrogen oxide (NOx, expressed as NO2), carbon monoxide, and volatile organic compounds stack tests upon each engine to demonstrate compliance with the emission limitations for NOx, carbon monoxide, and volatile organic compounds of the oxidation catalyst associated with each engine. These annual stack tests shall be performed within one year of performing the initial stack tests and annually thereafter. At least six months prior to the expiration of this operating permit, the permittee shall perform a formaldehyde stack test upon each engine to demonstrate compliance with the formaldehyde emission limitation of the oxidation catalyst associated with each engine. The Department may require the permittee to perform more frequent stack testing for any air contaminant if the Department reasonably suspects that any of the air contaminants emitted from the oxidation catalyst associated with this engine are being emitted in excess of any of the air contaminant emission limitations.

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

(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 each engine is operating at +/- 10% of full load.

### # 009 [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 applicable 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.

### # 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 date each engine commences operation.

(2) The number of hours each engine operates each month and each 12-consecutive month period.

(3) The amount of fuel used in each engine each month and each 12-consecutive month period.

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

(5) The test reports which shall include a description of the testing methods, testing results used to verify compliance with



## SECTION E. Source Group Restrictions.

the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations for each engine, all engine operating data collected during the tests, and a copy of the report demonstrating that each engine was operating at rated bhp and rated speed conditions during performance testing.

(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 60.4243]**

**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 applicable requirements specified in 40 CFR Section 60.4243(b)(2)(ii).

**# 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 requirements specified in 40 CFR Section 60.4245(a), (c), and (d).

## V. REPORTING REQUIREMENTS.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]**

**Subpart A - General Provisions**

**Address.**

In accordance with 40 CFR §§ 60.4 and 63.10, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

R3\_Air\_Apps\_and\_Notices@epa.gov

And

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

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.

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The carbon monoxide, volatile organic compounds, and formaldehyde emissions from each engine shall be controlled by the oxidation catalyst. The permittee shall not operate each engine without the simultaneous operation of the engine's respective oxidation catalyst at any time.

## VII. ADDITIONAL REQUIREMENTS.

**# 015 [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?**

Each engine is subject to the requirements of 40 CFR Part 60 Subpart JJJJ, Sections 60.4230 through 60.4248. The



## SECTION E. Source Group Restrictions.

permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248.

### # 016 [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?**

Each engine 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.



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## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



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## SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



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**SECTION H. Miscellaneous.**



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