



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: July 17, 2025

Effective Date: July 17, 2025

Expiration Date: July 16, 2030

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: 09-00242

Synthetic Minor

Federal Tax Id - Plant Code: 82-3224011-1

Owner Information

Name: ADELPHIA GATEWAY LLC

Mailing Address: 214 SHOEMAKER RD  
POTTSTOWN, PA 19464-6422

Plant Information

Plant: ADELPHIA GATEWAY LLC/QUAKERTOWN COMPRESSOR STA

Location: 09 Bucks County 09952 West Rockhill Township

SIC Code: 4923 Trans. & Utilities - Gas Transmission And Distribution

Responsible Official

Name: JAMES R ECKERT

Title: PRES

Phone: (713) 828 - 3493

Email: JEckert@NJResources.com

Permit Contact Person

Name: EDWARD BOVA

Title: COMPLIANCE MGR

Phone: (814) 203 - 6764

Email: EBova@NJResources.com

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

JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



## SECTION A. Table of Contents

### Section A. Facility/Source Identification

Table of Contents  
Site Inventory List

### Section B. General State Only Requirements

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

### Section C. Site Level State Only Requirements

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

### Section D. Source Level State Only Requirements

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

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

### Section E. Source Group Restrictions

- E-I: Restrictions



## SECTION A. Table of Contents

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

### Section F. Alternative Operating Scenario(s)

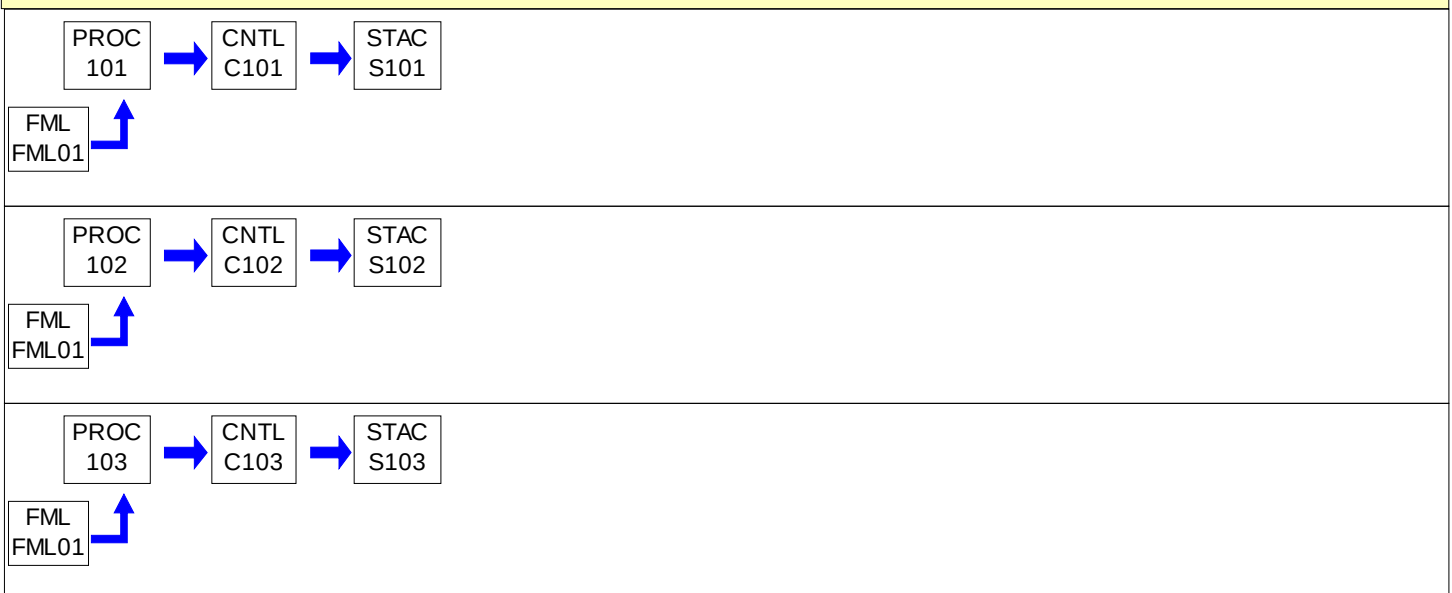
F-I: Restrictions  
F-II: Testing Requirements  
F-III: Monitoring Requirements  
F-IV: Recordkeeping Requirements  
F-V: Reporting Requirements  
F-VI: Work Practice Standards  
F-VII: Additional Requirements

### Section G. Emission Restriction Summary

### Section H. Miscellaneous

**SECTION A. Site Inventory List**

| Source ID | Source Name                                             | Capacity/Throughput | Fuel/Material |
|-----------|---------------------------------------------------------|---------------------|---------------|
| 101       | RECIPROCATING COMPRESSOR 1                              | 14.350 MMBTU/HR     |               |
|           |                                                         | 13.654 MCF/HR       | Natural Gas   |
| 102       | RECIPROCATING COMPRESSOR 2                              | 14.350 MMBTU/HR     |               |
|           |                                                         | 13.654 MCF/HR       | Natural Gas   |
| 103       | RECIPROCATING COMPRESSOR 3                              | 14.350 MMBTU/HR     |               |
|           |                                                         | 13.654 MCF/HR       | Natural Gas   |
| 300       | PIGGING OPERATIONS                                      |                     |               |
| 400       | FUGITIVE EMISSIONS COMPONENTS                           |                     |               |
| 600       | CUMMINS EMERGENCY GENERATOR SET                         | 3.500 MMBTU/HR      |               |
|           |                                                         | 4.613 MCF/HR        | Natural Gas   |
| 601       | GENERAC EMERGENCY GENERATOR SET                         | 0.155 MMBTU/HR      |               |
| C101      | RECIPROCATING COMPRESSOR 1 OXIDATION CATALYST           |                     |               |
| C102      | RECIPROCATING COMPRESSOR 2 OXIDATION CATALYST           |                     |               |
| C103      | RECIPROCATING COMPRESSOR 3 OXIDATION CATALYST           |                     |               |
| C600      | CUMMINS EMERGENCY GENERATOR SET NSCR THREE-WAY CATALYST |                     |               |
| FML01     | NATURAL GAS PIPELINE                                    |                     |               |
| S101      | RECIPROCATING COMPRESSOR 1 STACK                        |                     |               |
| S102      | RECIPROCATING COMPRESSOR 2 STACK                        |                     |               |
| S103      | RECIPROCATING COMPRESSOR 3 STACK                        |                     |               |
| S600      | CUMMINS EMERGENCY GENERATOR SET STACK                   |                     |               |
| S601      | GENERAC EMERGENCY GENERATOR SET STACK                   |                     |               |
| Z300      | PIGGING OPERATIONS FUGITIVE EMISSIONS                   |                     |               |
| Z400      | FUGITIVE EMISSIONS COMPONENTS FUGITIVE EMISSIONS        |                     |               |

**PERMIT MAPS**

**PERMIT MAPS**

PROC  
300 → STAC  
Z300

PROC  
400 → STAC  
Z400

PROC  
600 → CNTL  
C600 → STAC  
S600

FML  
FML01 →

PROC  
601 → STAC  
S601

FML  
FML01 →

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

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

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

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

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

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

**#004 [25 Pa. Code § 127.703]****Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
  - (1) For a synthetic minor facility, a fee equal to:
    - (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
    - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
    - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

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

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

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

**#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]****Transfer of Operating Permits.**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

**#008 [25 Pa. Code § 127.441]****Need to Halt or Reduce Activity Not a Defense.**

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

**#009 [25 Pa. Code §§ 127.442(a) & 127.461]****Duty to Provide Information.**

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

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

**#010 [25 Pa. Code § 127.461]****Revising an Operating Permit for Cause.**

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

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

**#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:



**SECTION B. General State Only Requirements**

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

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

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

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

**#012 [25 Pa. Code § 127.441]****Severability Clause.**

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

**#013 [25 Pa. Code § 127.449]****De Minimis Emission Increases.**

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not cause or permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

**# 002 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) 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.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14 (see Condition # 009(a)–(g), Section C, of this permit).
- (g) Sources and classes of sources other than those indicated in (a)–(f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
  - (1) The emissions are of minor significance with respect to causing air pollution.
  - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 003 [25 Pa. Code §123.2]****Fugitive particulate matter**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(g), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

**# 004 [25 Pa. Code §123.31]****Limitations**

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

**# 005 [25 Pa. Code §123.41]****Limitations**

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this facility occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour.
- (b) Equal to or greater than 60% at any time.

**# 006 [25 Pa. Code §123.42]****Exceptions**

The emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit) shall

**SECTION C. Site Level Requirements**

not apply to a visible air contaminant emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the restrictions.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(h), Section C, of this permit).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NO<sub>x</sub>) from this facility is less than 25 tons/yr, calculated monthly as a 12-month rolling sum.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compounds (VOCs) from this facility is less than 25 tons/yr, calculated monthly as a 12-month rolling sum.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of hazardous air pollutants (HAPs) from this facility is less than both of the following rates:

- (a) 10 tons/yr for any individual HAP, calculated monthly as a 12-month rolling sum.
- (b) 25 tons/yr for total HAPs, calculated monthly as a 12-month rolling sum.

**# 010 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not perform any open burning activities, except for the following:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (e) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.
- (f) A fire set solely for recreational or ceremonial purposes.
- (g) A fire set solely for cooking food.

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this permit, may be in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, the most current version of the Department's Source Testing Manual, and the United States Environmental Protection Agency's (EPA's) Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

**III. MONITORING REQUIREMENTS.****# 012 [25 Pa. Code §123.43]****Measuring techniques**

The permittee may measure visible air contaminant emissions using either of the following:

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall monitor this facility, at least once per operating day when staffed, but no less than twice per operating week, regardless of staffing levels, for the following:

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 004, Section C, of this permit).
  - (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Conditions # 005–006, Section C, of this permit, respectively).
  - (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Conditions # 002–003, Section C, of this permit, respectively).
- (b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility shall:
- (1) Be investigated.
  - (2) Be reported to the facility management, or individual(s) designated by the permittee.
  - (3) Have appropriate corrective action taken (for emissions that originate on-site).
  - (4) Be recorded in a permanent written log.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the following emissions from this facility on a monthly and 12-month rolling basis, using the Department's Midstream Air Emissions Worksheet (accessible at <https://www.pa.gov/services/dep/submit-annual->



**SECTION C. Site Level Requirements**

emission-statement-aes-reports.html) or other Department-approved method(s):

- (a) The total carbon monoxide (CO) emissions.
- (b) The total NO<sub>x</sub> emissions.
- (c) The total PM emissions.
- (d) The total PM less than 10 µm in aerodynamic diameter (PM-10) emissions.
- (e) The total PM less than 2.5 µm in aerodynamic diameter (PM-2.5) emissions.
- (f) The total sulfur oxides (SO<sub>x</sub>) emissions.
- (g) The total VOC emissions.
- (h) The total emissions of each individual HAP, including, but not limited to, formaldehyde.
- (i) The total emissions of all combined HAPs.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions for this facility, including deviations from the conditions found in Conditions # 002–005, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

- (1) A description of the deviation.
  - (2) The source(s) and/or associated air pollution control device(s) and location(s).
  - (3) The duration (including the starting and ending date(s) and times).
  - (4) The cause(s).
  - (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.
- (b) The permittee shall maintain records of the monitoring in a Department-approved format and time frame.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

**SECTION C. Site Level Requirements**

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from this facility on a monthly and 12-month rolling basis, calculated using the Department's Midstream Air Emissions Worksheet or other Department-approved method(s):

- (a) The total CO emissions.
- (b) The total NO<sub>x</sub> emissions.
- (c) The total PM emissions.
- (d) The total PM-10 emissions.
- (e) The total PM-2.5 emissions.
- (f) The total SO<sub>x</sub> emissions.
- (g) The total VOC emissions.
- (h) The total emissions of each individual HAP, including, but not limited to, formaldehyde.
- (i) The total emissions of all combined HAPs.

**V. REPORTING REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.7(b) and 25 Pa. Code Chapter 122 and § 127.443(b).]

(a) The permittee shall report malfunctions, emergencies, or incidents of excess emissions to the Department's 24-hour Emergency Hotline at 800-541-2050. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility, which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly-designed equipment, lack of preventative 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 both the Department and the County Emergency Management Agency, by telephone, within 1 hour after the discovery of the malfunction, emergency, or incident of excess emissions. The owner or operator shall submit a written or e-mailed report of instances of such malfunctions, emergencies, or incidents of excess emissions to the Department within 3 business days of the telephone report.

(c) The report shall describe the following:

**SECTION C. Site Level Requirements**

- (1) The name, permit or authorization number, and location of the facility.
  - (2) The nature and cause of the malfunction, emergency, or incident.
  - (3) The date and time when the malfunction, emergency, or incident was first observed.
  - (4) The expected duration of excess emissions.
  - (5) The estimated rate of emissions.
  - (6) The corrective actions or preventative measures taken.
- (d) Any malfunction, emergency, or incident of excess emissions that is not subject to the notice requirements specified in (b), above, 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 5 business days of discovery. The report shall contain the information listed in (c)(1)–(6), above, 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 of the notification and reporting requirements, in accordance with (b)–(d), above, 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 Regional Office Air Program Manager.
- (g) Any emissions resulting from a 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.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Part 68.]

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with all applicable provisions of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions), and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets all applicable provisions of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the EPA according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
    - (i) Three (3) years after the date on which a regulated substance is first listed in 40 CFR § 68.130.
    - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
  - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
  - (3) The permittee shall certify that the RMP is accurate and complete in accordance with all applicable provisions of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means

**SECTION C. Site Level Requirements**

any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying all applicable provisions of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a).

(2) Certify that the facility is in compliance with all applicable provisions of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for 5 years in accordance with 40 CFR § 68.200.

(f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4 and 60.5420a(b), and 25 Pa. Code Chapter 122.]

In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department, as follows:

(a) EPA: Electronically, via the Compliance and Emission Data Reporting Interface (CEDRI) portal of EPA's Central Data Exchange (CDX) (accessible at <https://cdx.epa.gov>). If electronic reporting is not available, a copy shall be forwarded to:

United States Environmental Protection Agency  
Region 3, Enforcement & Compliance Assurance Division  
Air, RCRA, and Toxics Branch (3ED21)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

(b) Department: To the Regional Air Quality Program Manager.

**VI. WORK PRACTICE REQUIREMENTS.****# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.1(c) and 127.443(b).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(g), Section C, of this permit) from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

**SECTION C. Site Level Requirements**

(c) Paving and maintenance of roadways.

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

**# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.11(d) and 60.5370a(b), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.444.]

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in Section A, of this permit, are, at all times, including during periods of startup, shutdown, and malfunction, operated and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, as applicable, and in accordance with the manufacturers' specifications.

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Section A, of this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in Section A, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition # 013(g), Section B, of this permit.

**VII. ADDITIONAL REQUIREMENTS.****# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This facility is a natural gas pipeline compressor station. Except as specified in (b)–(c), below, the facility is subject to, and shall comply with, certain applicable requirements, including, but not limited to, those specified in 40 CFR Part 60, Subparts JJJJ and OOOOa, and the Department's BAT standards.

(b) Based on their natural gas bleed rate and not being located at an unconventional well site or conventional well site, a gathering and boosting station, or a natural gas processing plant, the natural gas-driven continuous bleed pneumatic controllers indicated in Sub-section (c)(1), Section H, of this permit, are not subject to the provisions of 40 CFR Part 60, Subpart OOOOa, or 25 Pa. Code §§ 129.121–129.140, respectively.

(c) Based on their potential to emit VOCs and/or the type of material stored, the aboveground storage tanks (ASTs) indicated in Sub-section (c)(2), Section H, of this permit, are not subject to the provisions of 40 CFR Part 60, Subpart OOOOa, or 25 Pa. Code §§ 129.121–129.140, except that the permittee is required to calculate and maintain records of the potential to emit VOCs for the produced fluids AST in accordance with 25 Pa. Code §§ 129.123(a)(2) and 129.133(a)(2), and 129.130(b)(5) and 129.140(b)(5), respectively.

**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.5371a and 25 Pa. Code Chapter 122.]

Upon receiving a notification from EPA of a super-emitter event (i.e., any emissions event located at or near an oil and gas facility that is detected using remote detection methods and has a quantified emission rate of equal to or greater than 100 kgs/hr of methane), the permittee shall perform the following:

(a) Within 5 calendar days of receiving the notification, the permittee shall initiate a super-emitter event investigation to determine the source of the super-emitter event. The investigation may include, but is not limited to, the following actions:

**SECTION C. Site Level Requirements**

(1) Review any maintenance activities or process activities from the reciprocating compressors (Source IDs 101–103) and fugitive emissions components (Source ID 400) at the facility (i.e., the sources at the facility that are subject to the provisions of 40 CFR Part 60, Subpart OOOOa), starting from the date of detection of the super-emitter event (as identified in the notification) until the date of the investigation, to determine if the activities indicate any potential source(s) of the super-emitter event emissions.

(2) Review all monitoring data from the oxidation catalysts (Source IDs C101–C103) associated with the reciprocating compressors, starting from the date of detection of the super-emitter event until the date of receiving the notification, to identify any malfunctions or periods when they were not in compliance with applicable requirements and that indicate a potential source of the super-emitter event emissions.

(3) Review the results of any fugitive emissions monitoring survey, as performed in accordance with Condition #s 009–010, Section D, under Source ID 400, of this permit, between the date of detection of the super-emitter event and the date of receiving the notification, to identify any potential source(s) of the super-emitter event emissions.

(4) Screen the entire facility using optical gas imaging (OGI), EPA Method 21, or an alternative test method(s) approved in accordance with 40 CFR § 60.5398b(d) to determine if a super-emitter event is present.

(b) Within 15 calendar days of receiving the notification, the permittee shall submit a report detailing the results of the super-emitter event investigation, performed in accordance with (a)(1)–(4), above, using EPA's Super-Emitter Program Portal (accessible at <https://www.epa.gov/super-emitter>). The report shall include, at a minimum, the following information. [Note: If the notification includes a demonstrable error, the report may include a statement of the demonstrable error.]

(1) Notification Report ID of the super-emitter event (identified in the notification).

(2) Identification of whether the facility is located within 50 meters from the latitude and longitude of the super-emitter event (as identified in the notification). If the facility is not located within 50 meters from the latitude and longitude of the super-emitter event, then the report does not need to include the information indicated in (b)(3)–(8), below.

(3) General identification information for the facility, including the facility name and owner, the physical address, the associated EPA ID Number, and the name and contact information (including e-mail address) of the responsible official.

(4) Identification of the sources at the facility that are subject to the provisions of 40 CFR Part 60, Subpart OOOOa.

(5) Indication of whether the investigation identified the source(s) of the super-emitter event. If the investigation did not identify the source of the super-emitter event, then the report does not need to include the information indicated in (b)(6)–(8), below, but must include a certification that the permittee performed all applicable investigations in (a)(1)–(4), above, and determined that the sources at the facility that are subject to the provisions of 40 CFR Part 60, Subpart OOOOa, and their associated equipment, are not the source of the super-emitter event.

(6) The source(s) of the super-emitter event.

(7) Identification of whether the source(s) of the super-emitter event is subject to the provisions of 40 CFR Part 60, Subpart OOOOa (and, if so, the applicable regulation(s)).

(8) Indication of whether the super-emitter event is ongoing (i.e., quantified emission rate of equal to or greater than 100 kgs/hr of methane) at the time of the report submittal, as follows:

(i) If the super-emitter event is not ongoing, the report shall indicate the actual date and time (or estimated date, if not known) that the super-emitter event ended.

(ii) If the super-emitter event is ongoing, the report shall include a short narrative of the permittee's plan to end the super-emitter event, including the targeted end date for the efforts to be completed and super-emitter event ended. In addition, within 5 business days of the date that the super-emitter event ends, the report shall be updated, using EPA's Super-Emitter Program Portal, to indicate the end date and time of the super-emitter event.

**SECTION C. Site Level Requirements**

(9) The following attestation signed by the responsible official: "I certify that the information provided in this report regarding the specified super-emitter event was prepared under my direction or supervision. I further certify that the investigations were conducted, and this report was prepared pursuant to the requirements of 40 CFR § 60.5371a(a)–(b). Based on my professional knowledge and experience, and inquiry of personnel involved in the assessment, the certification submitted herein is true, accurate, and complete. I am aware that knowingly false statements may be punishable by fine or imprisonment."

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: RECIPROCATING COMPRESSOR 1

Source Capacity/Throughput: 14.350 MMBTU/HR  
13.654 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMPRESSOR ENGINE & OXIDATION CATALYST  
COMPRESSOR ROD PACKING

**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) This source consists of a reciprocating compressor, model no. JGK-4, manufactured by Ariel Corp. The reciprocating compressor is designed to compress approximately 125 mmcf/day of natural gas from the pipelines that pass through the facility. The reciprocating compressor, along with reciprocating compressors 2 and 3 (Source IDs 102–103, respectively), serve to increase the pressure of natural gas through the facility from approximately 820 psig to 1,080 psig.

(b) The reciprocating compressor is equipped with a four-stroke, inline six-cylinder, lean-burn, natural gas-fired (spark-ignition [SI]) reciprocating internal combustion (IC) engine, model no. G3606, manufactured by Caterpillar, Inc. (model



**SECTION D. Source Level Requirements**

year 2019). The engine is rated at 1,875 bhp power output and has a displacement of 10.60 liters per cylinder.

(c) CO, formaldehyde, and hydrocarbon (HC)/VOC emissions from the engine are controlled by an oxidation catalyst (Source ID C101), model type / no. QUICK-LID / DC66-18, manufactured by DCL International, Inc.

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: RECIPROCATING COMPRESSOR 2

Source Capacity/Throughput: 14.350 MMBTU/HR  
13.654 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMPRESSOR ENGINE & OXIDATION CATALYST  
COMPRESSOR ROD PACKING

**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) This source consists of a reciprocating compressor, model no. JGK-4, manufactured by Ariel Corp. The reciprocating compressor is designed to compress approximately 125 mmcf/day of natural gas from the pipelines that pass through the facility. The reciprocating compressor, along with reciprocating compressors 1 and 3 (Source IDs 101 and 103, respectively), serve to increase the pressure of natural gas through the facility from approximately 820 psig to 1,080 psig.

(b) The reciprocating compressor is equipped with a four-stroke, inline six-cylinder, lean-burn, natural gas-fired (SI) reciprocating IC engine, model no. G3606, manufactured by Caterpillar, Inc. (model year 2019). The engine is rated at

**SECTION D. Source Level Requirements**

1,875 bhp power output and has a displacement of 10.60 liters per cylinder.

(c) CO, formaldehyde, and HC/VOC emissions from the engine are controlled by an oxidation catalyst (Source ID C102), model type / no. QUICK-LID / DC66-18, manufactured by DCL International, Inc.

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: RECIPROCATING COMPRESSOR 3

Source Capacity/Throughput: 14.350 MMBTU/HR  
13.654 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMPRESSOR ENGINE & OXIDATION CATALYST  
COMPRESSOR ROD PACKING

**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) This source consists of a reciprocating compressor, model no. JGK-4, manufactured by Ariel Corp. The reciprocating compressor is designed to compress approximately 125 mmcf/day of natural gas from the pipelines that pass through the facility. The reciprocating compressor, along with reciprocating compressors 1 and 2 (Source IDs 101–102, respectively), serve to increase the pressure of natural gas through the facility from approximately 820 psig to 1,080 psig.

(b) The reciprocating compressor is equipped with a four-stroke, inline six-cylinder, lean-burn, natural gas-fired (SI) reciprocating IC engine, model no. G3606, manufactured by Caterpillar, Inc. (model year 2019). The engine is rated at

**SECTION D. Source Level Requirements**

1,875 bhp power output and has a displacement of 10.60 liters per cylinder.

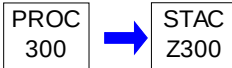
(c) CO, formaldehyde, and HC/VOC emissions from the engine are controlled by an oxidation catalyst (Source ID C103), model type / no. QUICK-LID / DC66-18, manufactured by DCL International, Inc.

**SECTION D. Source Level Requirements**

Source ID: 300

Source Name: PIGGING OPERATIONS

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from these pigging operations is less than the following rates:

| Pollutant | Tons/yr |
|-----------|---------|
| VOCs      | 2.7     |
| HAP       | 0.5     |
| HAPs      | 1.0     |

Tons/yr = Tons per 12-month rolling period, calculated monthly.

HAP = An individual HAP.

HAPs = Total HAPs.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the following emissions from each pig chamber on a monthly and 12-month rolling basis, using the Department's Midstream Pigging Operations Spreadsheet (accessible at <https://www.pa.gov/services/dep/submit-annual-emission-statement-aes-reports.html>) or other Department-approved method(s):

- (a) The methane emissions.
- (b) The ethane emissions.
- (c) The VOC emissions.
- (d) The total HAP emissions.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

**SECTION D. Source Level Requirements**

The permittee shall maintain records of the following information for these pigging operations:

- (a) The identification, location, and date of construction of each pig chamber.
- (b) The following for each pigging operation:
  - (1) The date and starting and ending times of the pigging operation.
  - (2) Identification of the pig chamber used.
  - (3) The type and volume of liquids cleared.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from each pig chamber on a monthly and 12-month rolling basis, calculated using the Department's Midstream Pigging Operations Spreadsheet or other Department-approved method(s):

- (a) The methane emissions.
- (b) The ethane emissions.
- (c) The VOC emissions.
- (d) The total HAP emissions.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall employ best management practices to minimize the liquids present in, and emissions from, each pig chamber (receiver) of these pigging operations.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall perform pigging operations for each pipeline no more than 3 times per year.

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

This source grouping shall consist of all pigging operations at the facility, including, but not limited to, the following:

- (a) Pigging blowdown.

**SECTION D. Source Level Requirements**

(b) Three pig chambers (one at the older meter station, two at the newer meter station).

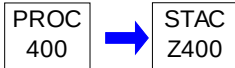


**SECTION D. Source Level Requirements**

Source ID: 400

Source Name: FUGITIVE EMISSIONS COMPONENTS

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 §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.5420a(c)(15)(i) and (vi), and 25 Pa. Code Chapter 122 and 25 Pa. Code § 127.443(b).]

(a) The permittee shall maintain records of the date of commencement of operation or the date of modification for each collection of these fugitive emissions components.

(b) The permittee shall maintain records of the fugitive emissions monitoring plan for these fugitive emissions components in accordance with Condition # 006(a)–(k), Section D (under Source ID 400), of this permit.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following information for each audible, visual, and olfactory (AVO) inspection performed for these fugitive emissions components:

(a) The date and starting and ending times of the inspection.

(b) The ambient temperature, sky conditions, and maximum wind speed at the time of the inspection.

(c) The operating mode of each reciprocating compressor (Source IDs 101–103) (i.e., operating, standby pressurized, and not operating—depressurized modes) at the time of the inspection.

(d) The following information for each fugitive emissions component for which a leak is detected (i.e., meets the leak definition specified in Condition # 011(a)(3), Section D (under Source ID 400), of this permit):

(1) The identification and location (e.g., component ID and listing on a process and instrumentation diagram, latitude and longitude coordinates in decimal degrees to an accuracy and precision of five decimals of a degree using the North American Datum of 1983, etc.).

(2) The type (e.g., valve, flange, connector, etc.), including designation as difficult-to-monitor or unsafe-to-monitor, if

**SECTION D. Source Level Requirements**

applicable.

- (3) The initial instrument reading.
- (4) The following for each attempt at repair:
  - (i) The date.
  - (ii) The repair methods applied.
  - (iii) The final instrument reading (i.e., at the time of the inspection or during a resurvey).
- (5) The tag applied or digital photograph or video taken if the fugitive emissions component is not successfully repaired at the time of the inspection.
- (6) The following if the fugitive emissions component is placed on delay of repair:
  - (i) The reason(s) (i.e., one or more of those specified in Condition # 010(a)(2), Section D (under Source ID 400), of this permit).
  - (ii) The date of planned shutdown(s), if necessary to complete the repair.
- (7) The date of successful repair.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.5397a(a) and (i) and 60.5420a(c)(15)(vii)(A)–(D) and (F)–(I), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall maintain records of the following information for each monitoring survey (or resurvey) for these fugitive emissions components:

- (a) The facility name and location.
- (b) The permit number.
- (c) The date and starting and ending times of the monitoring survey.
- (d) The name, training, and experience of the operator(s) conducting the monitoring survey.
- (e) The detection device(s) used.
- (f) The ambient temperature, sky conditions, and maximum wind speed at the time of the monitoring survey.
- (g) Any deviations from the monitoring plan (or a statement that there were no deviations).
- (h) The following information for each fugitive emissions component for which a leak is detected:
  - (1) The identification and location.
  - (2) The type, including designation as difficult-to-monitor or unsafe-to-monitor, if applicable.
  - (3) The initial instrument reading.
  - (4) The following for each attempt at repair:

**SECTION D. Source Level Requirements**

(i) The date.

(ii) The repair methods applied.

(iii) The final instrument reading.

(5) The tag applied or digital photograph or video taken if the fugitive emissions component is not successfully repaired at the time of the inspection.

(6) The following if the fugitive emissions component is placed on delay of repair:

(i) The reason(s).

(ii) The date of planned shutdown(s), if necessary to complete the repair.

(7) The date of successful repair.

(i) The following information for all fugitive emissions components not repaired in accordance with Condition # 010(a)(1)–(2), Section D (under Source ID 400), of this permit:

(1) The total number.

(2) The information in (h)(1)–(2), above.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.5399a(k).]

**V. REPORTING REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.5397a(a) and (j) and 60.5420a(b)(1) and (7), and 25 Pa. Code Chapter 122 and § 127.443(b).]

(a) The permittee shall submit annual reports for these fugitive emissions components containing the following information:

(1) The following general information:

(i) The company name.

(ii) The facility name.

(iii) The permit number.

(iv) Either of the following:

(A) The address of the site.

(B) A description of the site and the location using latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five decimals of a degree using the North American Datum of 1983.

(v) The beginning and ending dates of the reporting period.

(vi) A certification of truth, accuracy, and completeness, which shall include the following:

(A) The following statement: "Based on information and belief formed after reasonable inquiry, the statements and

**SECTION D. Source Level Requirements**

information in the document are true, accurate, and complete."

(B) The signature of the certifying responsible official.

(vii) Identification of each source included in the report.

(viii) The records of the facility's emissions to demonstrate compliance with the permitted emission limits.

(2) The records maintained in Condition # 003(a)–(i), Section D (under Source ID 400), of this permit.

(b) The permittee shall submit an initial annual report no later than 90 days after the end of the initial compliance period, as determined in accordance with Condition # 005, Section D (under Source ID 400), of this permit, and subsequent annual reports no later than the same date each year.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.5410a(j)(1)–(5), 60.5415a(h)(1)–(4), and 60.5420a(b); and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall demonstrate initial and/or continuous compliance for these fugitive emissions components by complying with the following requirements for each compliance period. The initial compliance period for the fugitive emissions components begins upon commencement of operation of any of the reciprocating compressors (Source IDs 101–103), and each compliance period lasts for a period of 1 year:

(a) Develop a fugitive emissions monitoring plan as required by/in accordance with Condition # 006, Section D (under Source ID 400), of this permit (initial compliance only).

(b) Conduct initial and periodic monitoring surveys in accordance with the fugitive emissions monitoring plan and Condition # 009(a)–(c), Section D (under Source ID 400), of this permit.

(c) Maintain records of the fugitive emissions monitoring plan and monitoring surveys in accordance with Condition #s 001 and 003, Section D (under Source ID 400), of this permit.

(d) Repair fugitive emissions components in accordance with the fugitive emissions monitoring plan and Condition # 010, Section D (under Source ID 400), of this permit.

(e) Submit an initial and subsequent annual reports in accordance with the time frames specified in Condition # 004(b), Section D (under Source ID 400), of this permit.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.5397a(a)–(d) and (g)(3)–(4), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall develop a fugitive emissions monitoring plan for these fugitive emissions components. The monitoring plan shall include, at a minimum, the following elements:

(a) A sitemap.

(b) A defined observation path that ensures that all fugitive emissions components are within sight of the path. The observation path shall account for any interferences.

(c) If using EPA Method 21, a listing of all fugitive emissions components to be monitored, including those designated as difficult-to-monitor or unsafe-to-monitor, as defined in Condition # 011(b)–(c), Section D (under Source ID 400), of this

**SECTION D. Source Level Requirements**

permit, and the method for determining their location in the field (e.g., tagging, identification on a process and instrumentation diagram, etc.). The listing shall also include an explanation of why each fugitive emissions component designated as difficult-to-monitor or unsafe-to-monitor is designated as such.

(d) The frequency for conducting monitoring surveys, including for fugitive emissions components designated as difficult-to-monitor or unsafe-to-monitor. Monitoring surveys shall be conducted at least as frequently as required by Condition # 009(a)–(c), Section D (under Source ID 400), of this permit.

(e) The technique(s) for determining fugitive emissions (i.e., OGI, EPA Method 21, or other Department-approved method).

(f) The manufacturer and model number of each detection device to be used.

(g) The procedures and time frames for identifying and repairing fugitive emissions components from which leaks are detected, including for components that are unsafe to repair. The repair schedule shall meet, at a minimum, the requirements specified in Condition # 010(a)(1)–(2), Section D (under Source ID 400), of this permit.

(h) The procedures and time frames for verifying repairs of fugitive emissions components. The verification shall meet, at a minimum, the requirements specified in Condition # 010(b)(1)–(2), Section D (under Source ID 400), of this permit.

(i) The records to be maintained and the time frame for maintaining the records. The permittee shall maintain records in accordance with Condition # 003(a)–(h), Section D (under Source ID 400), of this permit. The time frame for maintaining the records shall comply with Condition # 016, Section C, of this permit.

(j) The following elements if using an OGI camera:

(1) An initial verification, performed by either the permittee, the OGI camera manufacturer, or a third party, that the OGI camera is capable of imaging both of the following gases:

(i) Those in the spectral range for the compound of highest concentration in the potential fugitive emissions.

(ii) One that is 50% methane and 50% propane, at a concentration of 10,000 ppm and a flow rate of less than or equal to 60 g/hr, from a ¼-inch diameter orifice.

(2) The procedure for a daily verification check.

(3) The procedure for determining the operator's maximum viewing distance from the equipment and how the operator will ensure that this distance is maintained.

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

(5) Procedures for conducting monitoring surveys, including the following:

(i) How the operator will ensure an adequate thermal background is present in order to view potential fugitive emissions.

(ii) How the operator will deal with adverse monitoring conditions, such as wind.

(iii) How the operator will deal with interferences (e.g., steam).

(6) Training and experience needed prior to performing monitoring surveys.

(7) Procedures for calibration and maintenance. The procedures shall comply with, at a minimum, those recommended by the manufacturer.

(k) The following elements if using a gas leak detector:

**SECTION D. Source Level Requirements**

(1) Verification that the gas leak detector meets the requirements specified in Section 6.0 of EPA Method 21. If using a gas leak detector other than a flame ionization detector (FID), the permittee shall develop a site-specific leak definition that would provide an equivalent response to 500 ppm as methane using a FID (e.g., 10.6 eV for a photo ionization detector (PID) with a specified isobutylene concentration).

(2) Procedures for conducting monitoring surveys. The procedures shall ensure that the monitoring surveys comply with the relevant sections of EPA Method 21, including, but not limited to, Section 8.3.1.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall use any of the following detection devices as part of the leak detection and repair (LDAR) program for these fugitive emissions components:

(1) An OG) camera that has been verified to meet the requirements specified in Condition # 006(j)(1)(i)–(ii), Section D (under Source ID 400), of this permit.

(2) A gas leak detector that has been verified to meet the requirements specified in Section 6.0 of EPA Method 21.

(3) Other leak detection methods approved by the Division of Source Testing and Monitoring.

(b) The detection devices in (a)(1)–(3), above, must be operated and maintained in accordance with manufacturer-recommended procedures, as required by the test method, or a Department-approved method.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall perform an AVO inspection for these fugitive emissions components on at least a monthly basis.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.5397a(a), (e)–(f), and (g)(2)–(4); and 25 Pa. Code Chapter 122 and § 127.443(b).]

(a) Except as indicated in (b)–(c), below, the permittee shall perform monitoring surveys for these fugitive emissions components, using any of the detection devices indicated in Condition # 007(a)(1)–(3), Section D (under Source ID 400), of this permit, on a quarterly basis (at least 60 days apart).

(b) The permittee shall perform monitoring surveys for each of the fugitive emissions components that are designated as difficult-to-monitor at least once per calendar year.

(c) The permittee may request an extension of time to conduct the monitoring surveys required by (a), above. The request must be in writing and include a justification for the extension. The Department may grant the extension for reasonable cause.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.5397a(a) and (h)(2), (3)(i) and (4); and 25 Pa. Code Chapter 122 and § 127.443(b).]

(a) Any leak detected from any of these fugitive emissions components shall be repaired by the owner or operator of the facility as expeditiously as practicable. A first attempt at repair must be attempted within 5 calendar days of detection, and repair must be completed no later than 15 calendar days after the leak is detected, except in either of the following situations:

**SECTION D. Source Level Requirements**

(1) The owner or operator must purchase parts to complete the repair, in which case the repair must be completed no later than 10 calendar days after the receipt of the purchased parts.

(2) The repair or replacement is technically infeasible, would require a vent blowdown, a compressor station shutdown, or would be unsafe to repair during operation of the unit, in which case the repair or replacement must be completed after a planned vent blowdown, during the next scheduled compressor station shutdown, or within 2 years, whichever is earlier.

(b) Once a fugitive emissions component has been repaired or replaced, the owner or operator must resurvey the component as soon as practicable, but no later than 30 calendar days after the leak is repaired.

(1) For repairs that cannot be made during the monitoring survey when the leak is initially found, either a digital photograph must be taken of the component or the component must be tagged for identification purposes.

(2) A leak is considered repaired if any of the following apply:

(i) There is no visible leak image when using an OGI camera calibrated at a detection sensitivity level of 60 grams/hour.

(ii) A leak concentration of less than 500 ppm as methane (or equivalent response, as developed in accordance with Condition # 006(k)(1), Section D (under Source ID 400), of this permit) is detected when the probe inlet of a gas leak detector is placed at the surface of the component.

(iii) No detectable emissions exist, as determined using the procedures specified in Section 8.3.2 of EPA Method 21.

(iv) There is no bubbling at the leak interface using the soap solution screening procedure specified in Section 8.3.3 of EPA Method 21.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.5397a(h).]

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

[Additional authority for this permit condition is derived from 40 CFR § 60.5397a(a), (c)(8), and (g)(3)–(4); and 25 Pa. Code Chapter 122 and § 127.443(b).]

The following definitions shall apply for these fugitive emissions components:

(a) The term "leak" is defined as any of the following (except for a release from any equipment or component designed by the manufacturer to protect the equipment, controller, or personnel, or to prevent groundwater contamination, gas migration, or an emergency situation):

(1) Any positive indication, whether audible, visual, or odorous, determined during an AVO inspection.

(2) Any visible emission from a fugitive emissions component observed using OGI in accordance with Condition # 006, Section D (under Source ID 400), of this permit."

(3) A concentration of greater than or equal 500 ppm as methane (or equivalent response, as developed in accordance with Condition # 006(k)(1), Section D (under Source ID 400), of this permit) detected by an instrument reading.

(b) The term "difficult-to-monitor" is defined as not able to be monitored without elevating monitoring personnel more than 2 meters above the ground surface.

(c) The term "unsafe-to-monitor" is defined as not able to be monitored without exposing monitoring personnel to immediate danger while conducting a monitoring survey.

[Note: The definitions of the term "fugitive emissions" in 40 CFR § 60.5397a(a) and (c)(8)(i) are streamlined into the

**SECTION D. Source Level Requirements**

definition of the term "leak" in this permit condition.]



**SECTION D. Source Level Requirements**

Source ID: 600

Source Name: CUMMINS EMERGENCY GENERATOR SET

Source Capacity/Throughput:

3.500 MMBTU/HR

4.613 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: EMERGENCY GENERATOR SETS

**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 40 CFR §§ 60.4233(e) and 60.4234, and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the plan approval-exempt engine of this emergency generator set does not exceed the following emission standards:

| Pollutant       | g/bhp-hr | ppmv, dry basis, corrected to 15% oxygen (O <sub>2</sub> ) |
|-----------------|----------|------------------------------------------------------------|
| CO              | 4.0      | 540                                                        |
| NO <sub>x</sub> | 2.0      | 160                                                        |
| VOCs            | 1.0      | 86                                                         |

VOCs = VOCs, excluding formaldehyde.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emissions from the plan approval-exempt engine of this emergency generator set proceed through the associated non-selective catalytic reduction (NSCR) three-way catalyst (Source ID C600) before exhausting into the outdoor atmosphere.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the following emissions from the plan approval-exempt engine of this emergency generator set, using the Department's Midstream Air Emissions Worksheet or other Department-approved method(s):

**SECTION D. Source Level Requirements**

- (a) The CO emissions, on a monthly and 12-month rolling basis.
- (b) The NO<sub>x</sub> emissions on a monthly, ozone season, and 12-month rolling basis.
- (c) The VOC emissions, on a monthly and 12-month rolling basis.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4243(b)(2)(ii) and 60.4245(a)(2), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall maintain a maintenance plan, and records of all maintenance performed, for this emergency generator set and associated NSCR three-way catalyst (Source ID C600). These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.
- (c) The type and amount of NSCR three-way catalyst replaced, if applicable.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from the plan approval-exempt engine of this emergency generator set, calculated using the Department's Midstream Air Emissions Worksheet or other Department-approved method(s):

- (a) The CO emissions, on a monthly and 12-month rolling basis.
- (b) The NO<sub>x</sub> emissions on a monthly, ozone season, and 12-month rolling basis.
- (c) The VOC emissions, on a monthly and 12-month rolling basis.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4243(g) and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall operate and maintain the following equipment for this emergency generator set:

- (a) A non-resettable hour meter.
- (b) An air-to-fuel ratio controller for the NSCR three-way catalyst (Source ID C600) associated with the plan approval-exempt engine.

**SECTION D. Source Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall replace the NSCR three-way catalyst (Source ID C600) associated with the plan approval-exempt engine of this emergency generator set as needed.

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

(a) This source shall consist of an emergency generator set, model no. C250N6, manufactured by Cummins, Inc. The emergency generator set is rated at 250 kW power output (standby).

(b) The emergency generator set is equipped with a four-stroke, in-line six-cylinder, stoichiometric/rich-burn, natural gas-fired (SI), plan approval-exempt, reciprocating IC engine, model no. GTA855e, also manufactured by Cummins, Inc. (model year 2019). The engine is rated at 383 hp gross engine power output and has a displacement of 2.33 liters per cylinder.

(c) CO, NO<sub>x</sub>, and VOC emissions from the engine are controlled by a NSCR three-way catalyst (Source ID C600), catalysis part no. 204510A (with enclosed catalyst module, part no. 2862356), manufactured by Cummins Emissions Solutions. [Note: This specific catalyst is required for the engine to be considered certified in accordance with the provisions of 40 CFR §§ 60.4233(e) and 60.4234.]

**SECTION D. Source Level Requirements**

Source ID: 601

Source Name: GENERAC EMERGENCY GENERATOR SET

Source Capacity/Throughput: 0.155 MMBTU/HR

Conditions for this source occur in the following groups: EMERGENCY GENERATOR SETS

**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 40 CFR §§ 60.4233(a) and 1054.105(a) and (c)(2), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the plan approval-exempt engine of this emergency generator set does not exceed the following emission standards:

| Pollutant(s) | g/bkW-hr (g/bhp-hr) |
|--------------|---------------------|
| CO           | 610 (455)           |
| NOx + NMHCs  | 8.0 (6.0)           |

NMHCs = Non-methane hydrocarbons.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the NOx emissions from the plan-approval exempt engine of this emergency generator set on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4245(a)(3) and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall maintain records of the manufacturer's emission-related written instructions (or operating manual) for the plan approval-exempt engine of this emergency generator set, including documentation that the engine is certified to meet the emission standards specified in Condition # 001, Section D (under Source ID 601), of this permit.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4243(a)(1) and 60.4245(a)(2), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall maintain records of all maintenance performed for this emergency generator set. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the NO<sub>x</sub> emissions from the plan approval-exempt engine of this emergency generator set on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4243(a) and (a)(1), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.444.]

- (a) The permittee shall ensure that the engine of this emergency generator set is certified to meet the emission standards specified in Condition # 001, Section D (under Source ID 601), of this permit; and is configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions.
- (b) The permittee shall not change any emission-related settings on the engine except those that are permitted by the manufacturer.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall operate and maintain a non-resettable hour meter for this emergency generator set.

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

(a) This source consists of an emergency generator set, model type CorePower, manufactured by Generac Power Systems, Inc. The emergency generator is rated at 6 ekW power output.

(b) The emergency generator set is equipped with a two-stroke, one-cylinder, rich-burn, natural gas-fired (SI), plan approval-exempt, reciprocating IC engine, model type OHV-432, also manufactured by Generac Power Systems, Inc. (model year 2011 or later). The engine is rated at 14.8 bhp power output, and has a displacement of 432 cc (0.432 liters).

**SECTION E. Source Group Restrictions.**

Group Name: COMPRESSOR ENGINE & OXIDATION CATALYST

Group Description: Reciprocating Compressor Engine & Oxidation Catalyst Conditions

Sources included in this group

| ID  | Name                       |
|-----|----------------------------|
| 101 | RECIPROCATING COMPRESSOR 1 |
| 102 | RECIPROCATING COMPRESSOR 2 |
| 103 | RECIPROCATING COMPRESSOR 3 |

**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 40 CFR §§ 60.4233(e) and 60.4234, and 25 Pa. Code Chapter 122 and §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the engine of each reciprocating compressor does not exceed the following emission standards:

| Pollutant    | g/bhp-hr |
|--------------|----------|
| CO           | 0.25     |
| Formaldehyde | 0.05     |
| NOx          | 0.50     |
| NMNEHCs      | 0.25     |

NMNEHCs = Non-methane, non-ethane hydrocarbons, as propane, excluding formaldehyde.

[Compliance with this streamlined permit condition assures compliance with 40 CFR Part 60, Subpart JJJJ, Table 1.]

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the combined emission into the outdoor atmosphere of the following pollutants from the engines of the reciprocating compressors does not exceed the following rates:

| Pollutant    | Tons/yr |
|--------------|---------|
| CO           | 9.47    |
| Formaldehyde | 2.06    |
| NOx          | 16.30   |
| NMNEHCs      | 8.69    |

Tons/yr = Tons per 12-month rolling period, calculated monthly.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from the engine of each reciprocating compressor occurs in such a manner that the concentration of filterable PM in the exhaust gas does not exceed 0.04 grains per dry standard cubic foot (gr/dscf).

**SECTION E. Source Group Restrictions.****Fuel Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that pipeline natural gas, as defined in 40 CFR § 72.2, is the only fuel consumed by the engines of the reciprocating compressors.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

**Control Device Efficiency Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emissions from the engine of each reciprocating compressor proceed through the associated oxidation catalyst (Source IDs C101–C103) before exhausting into the outdoor atmosphere.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.8(a), 60.4243(b)(2)(ii), 60.4244(a)–(e), and 60.4245(d); and 25 Pa. Code Chapters 122 and 139 and § 127.443(b).]

(a) Every 3 years or 8,760 hours of total operating time (for each respective reciprocating compressor), whichever comes first, or as otherwise required in Condition # 007(b), Section E (under the Compressor Engine & Oxidation Catalyst source group), of this permit, the permittee shall perform a stack test for the engine of each reciprocating compressor, as follows:

(1) In accordance with the provisions of 25 Pa. Code Chapter 139 and the current version of the Department's Source Testing Manual.

(2) In accordance with the provisions of 40 CFR §§ 60.8 and 60.4244(a)–(e) and Part 60, Subpart JJJJ, Table 2, items 1a–b, for NO<sub>x</sub> and CO, respectively (including for exhaust flowrate and moisture content).

(3) Using EPA Alternative Method ALT-106 to determine the concentration of NMNEHCs, as propane, excluding formaldehyde, in the exhaust gas.

(4) Using EPA Method 320 to determine the concentration of formaldehyde in the exhaust gas.

(b) At least 90 days prior to the stack test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples. A test protocol shall be approved by the Source Testing Section of the Department prior to the test.

(c) At least 30 days prior to the stack test, the permittee shall inform the Regional Air Quality Program Manager of the Department of the date and time of the test.

(d) Within 60 days after the stack test, the permittee shall submit an electronic copy of the complete test report, including all operating conditions, to the Regional Air Quality Program Manager of the Department for approval. Test reports indicating the following test methods for the measurement of VOCs shall include the results of the following quality assurance/quality control (QA/QC) procedures:

(1) EPA Method 18: The recovery study and presurvey sample analysis in Sections 8.4 and 11.1.1.4, respectively.

(2) EPA Method 320: Analyte spiking in Sections 8.6.2, 9.0, and 13.0.

(3) ASTM D6348-03: All QA/QC procedures in Annexes 1-7.

**SECTION E. Source Group Restrictions.**

(e) The permittee may request an extension of time for any deadlines indicated in (a)–(d), above, with which it is unable to comply. The request must be in writing and include a justification for the extension. The Department may grant the extension for reasonable cause.

(f) The results of the stack test shall be used to demonstrate compliance with the emission standards specified in Condition # 001, Section E (under the Compressor Engine & Oxidation Catalyst source group), of this permit.

(g) The permittee shall list the following pertinent information on the title page of the submittals in (b)–(d), above:

(1) The stack test date(s), as follows:

(i) For protocols, provide the proposed date(s) on which the stack test will commence or "TBD."

(ii) For reports, provide the starting and ending date(s) of the stack test.

(2) The primary facility (PF) ID for the facility (i.e., PF ID 826813). [Note: For test programs performed under a multi-site protocol, also include the PF ID under which the protocol is stored in PSIMS, as indicated in the protocol response letter.]

(3) The Source IDs for the reciprocating compressors and associated oxidation catalysts (i.e., Source IDs 101–103 and C101–C103, respectively).

(4) The stack test requirements, including, at a minimum, the following:

(i) The permit number (i.e., State Only Operating Permit No. 09-00242).

(ii) The applicable federal subpart (i.e. 40 CFR Part 60, Subpart JJJJ).

(iii) Any special purpose(s).

(h) The permittee shall e-mail all submittals in (b)–(d), above, and any other notifications or supplemental information, to both the Regional Air Quality Program Manager (Southeast Regional Office) and the PSIMS Administrator (Central Office) at the following e-mail addresses (any questions or concerns about the submittals should be addressed to the PSIMS Administrator):

(1) Regional Air Quality Program Manager: RA-EPSEstacktesting@pa.gov

(2) PSIMS Administrator: RA-EPstacktesting@pa.gov

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.8(a) and 60.4244(a)–(e), and 25 Pa. Code Chapters 122 and 139 and § 127.443(b).]

(a) After every 2,500 hours of total operating time for each respective reciprocating compressor, the permittee shall perform periodic monitoring for the engines of the reciprocating compressors, as follows:<sup>1</sup>

(1) In accordance with the provisions of 25 Pa. Code Chapter 139 and the current version of the Department's Source Testing Manual.

(2) In accordance with the provisions of 40 CFR §§ 60.4244(a)–(e) and Part 60, Subpart JJJJ, Table 2, items 1a–b, for NO<sub>x</sub> and CO, respectively (not including for exhaust flowrate and moisture content), except as follows:

(i) Using an electro-chemical cell portable gas analyzer maintained in accordance with the manufacturer's specifications.

<sup>1</sup> Except that the timeframe for performing periodic monitoring for the engine of a reciprocating compressor resets after a stack test is performed for the respective engine in accordance with Condition # 006, Section E (under the Compressor Engine & Oxidation Catalyst source group), of this permit.



**SECTION E. Source Group Restrictions.**

(ii) Following the procedures specified in the current version of ASTM D6522.

(iii) The duration of the test runs shall be equal to or greater than 20 minutes.

(b) The results of the periodic monitoring shall be used to demonstrate compliance with the CO and NO<sub>x</sub> emission standards specified in Condition # 001, Section E (under the Compressor Engine & Oxidation Catalyst source group), of this permit. If the results of the periodic monitoring do not demonstrate compliance with both of these emission standards, the permittee shall perform a stack test for the engine of the affected reciprocating compressor(s) in accordance with Condition # 006(a)(1)–(4) and (c)–(f), Section E (under the Compressor Engine & Oxidation Catalyst source group), of this permit, within 60 days after the periodic monitoring. (The most recent test protocol previously approved by the Source Testing Section of the Department shall be used for the stack test.)

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for each reciprocating compressor:

- (a) The hours of operation, on an operating day basis.
- (b) The amount of natural gas consumed by the engine of the reciprocating compressor on a monthly basis.
- (c) The following for the associated oxidation catalyst (Source IDs C101–C103):
  - (1) The inlet and outlet temperatures, on a continuous basis (i.e., at least once every 15 minutes).
  - (2) The differential pressure, on an operating day basis.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the following emissions from the engines of the reciprocating compressors on a monthly and 12-month rolling basis, using the Department's Midstream Air Emissions Worksheet or other Department-approved method(s):

- (a) The CO emissions.
- (b) The formaldehyde emissions.
- (c) The NO<sub>x</sub> emissions.
- (d) The NMNEHC emissions.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for each reciprocating compressor:

- (a) The hours of operation, on an operating day, monthly, and 12-month rolling basis.
- (b) The amount of natural gas consumed by the engine of this reciprocating compressor on a monthly and 12-month rolling basis, calculated using a Department-approved method.

**SECTION E. Source Group Restrictions.**

(c) The following for the associated oxidation catalyst (Source IDs C101–C103):

(1) The inlet and outlet temperatures, on a continuous basis.

(2) The differential pressure, on an operating day basis.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4243(b)(2)(ii) and 60.4245(a)(2), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall maintain a maintenance plan, and records of all maintenance performed, for the engine of each reciprocating compressor and the associated oxidation catalyst (Source IDs C101–C103). These records shall contain, at a minimum, the following:

(a) The date and time of the maintenance.

(b) The type of maintenance performed.

(c) The type and amount of oxidation catalyst replaced, if applicable.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of results of the periodic monitoring performed for the engines of the reciprocating compressors.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from the engines of the reciprocating compressors on a monthly and 12-month rolling basis, calculated using the Department's Midstream Air Emissions Worksheet or other Department-approved method(s):

(a) The CO emissions.

(b) The formaldehyde emissions.

(c) The NO<sub>x</sub> emissions.

(d) The NMNEHC emissions.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall operate and maintain a non-resettable hour meter for each of the reciprocating compressors.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

**SECTION E. Source Group Restrictions.**

The permittee shall ensure that the amount of time spent by the engine of each reciprocating compressor at idle during startup or shutdown is minimized to a period appropriate for the operation of the respective engine and associated oxidation catalyst (Source IDs C101–C103) consistent with good air pollution control practices, but no greater than 30 minutes.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall replace the oxidation catalyst (Source IDs C101–C103) associated with the engine of each reciprocating compressor on or before every 8,760 operating hours (or earlier, as needed).

**VII. ADDITIONAL REQUIREMENTS.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The engines of the reciprocating compressors are subject to, and shall comply with all applicable requirements of, 40 CFR Part 60, Subpart JJJJ.<sup>2</sup> In accordance with 40 CFR § 60.4, the permittee is required to submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The permittee shall submit these as indicated in Condition # 021(a)–(b), Section C, of this permit.

<sup>2</sup> The engines are also subject to 40 CFR Part 63, Subpart ZZZZ, but, pursuant to 40 CFR § 63.6590(c)(1), comply with this regulation by complying with the provisions of 40 CFR Part 60, Subpart JJJJ, instead.

**# 018 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

On or before October 31 of each year, the permittee shall calculate the difference between the actual NO<sub>x</sub> emissions from and the allowable NO<sub>x</sub> emissions for the engines of the reciprocating compressors during the ozone season.

**# 019 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

The permittee shall calculate the allowable NO<sub>x</sub> emissions from the engines of the reciprocating compressors during the ozone season by multiplying the following values:

- (a) The hours of operation for the reciprocating compressor during the ozone season.
- (b) The rated power output (bhp) of the engines of the reciprocating compressors, as indicated in Condition # 001(b), Section D (under Source IDs 101–103), of this permit.
- (c) The emission rate of 3.0 g/bhp-hr.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Part 97, Subparts AAAAA, EEEEE, and GGGGG; and 25 Pa. Code § 129.204(c) and (e)–(f).]

(a) The permittee shall surrender to the Department one Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Annual allowance and one CAIR NO<sub>x</sub> Ozone Season allowance, as defined in 40 CFR §§ 96.102 and 96.302, respectively, for each ton of NO<sub>x</sub> by which the actual emissions from the engines of the reciprocating compressors during each ozone season exceed the allowable emissions from the engines during the same period, as calculated in Conditions # 009(c) and 019(a)–(c), Section E (under the Compressor Engine & Oxidation Catalyst source group), of this permit, respectively. The surrendered NO<sub>x</sub> allowances shall be of current year vintage. For the purpose of determining the amount of NO<sub>x</sub> allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 tons shall be deemed to equal 1 ton, and any fraction of a ton less than 0.50 tons shall be deemed to equal zero tons.

(b) On or before November 1 of each year, the permittee shall surrender the NO<sub>x</sub> allowances required in (a), above, to the Department's designated NO<sub>x</sub> allowance tracking system account and submit the following information to the Department, in writing:

- (1) The serial number of each NO<sub>x</sub> allowance surrendered.

**SECTION E. Source Group Restrictions.**

(2) The calculations used to determine the quantity of NOx allowances required to be surrendered.

(c) If the permittee does not comply with (b)(1)–(2), above, in a given year, then the permittee shall surrender, on or before December 31 of that year, three NOx allowances for each NOx allowance that was required to be surrendered in (b)(1)–(2), above. The surrendered NOx allowances may be of current or later year vintage.

[Note: On July 6, 2011, EPA promulgated the Cross-State Air Pollution Rule (CSAPR) to replace CAIR. The CSAPR provisions of 40 CFR Part 97, Subpart AAAAA (relating to CSAPR NOx Annual Trading Program), replaced the provisions of 40 CFR Part 96, Subpart AA (relating to CAIR NOx Annual Trading Program General Provisions), and remain in effect. On October 26, 2016, EPA promulgated the CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart EEEEE (relating to CSAPR NOx Ozone Season Group 2 Trading Program), to replace the previously-established CAIR NOx Ozone Season Trading Program and CSAPR NOx Ozone Season Group 1 Trading Program for certain states, including Pennsylvania, beginning with the 2017 ozone season. On April 30, 2021, EPA promulgated the Revised CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart GGGGG (relating to CSAPR NOx Ozone Season Group 3 Trading Program), to replace the provisions of 40 CFR Part 97, Subpart EEEEE, for certain states, including Pennsylvania, beginning with the 2021 ozone season. Accordingly, the permittee shall surrender CSAPR NOx Annual allowances and CSAPR NOx Ozone Season Group 3 allowances, as defined in 40 CFR §§ 97.402 and 97.1002, respectively, instead of the CAIR NOx allowances and CAIR NOx Ozone Season allowances indicated in 25 Pa. Code § 129.204(c), as the latter are no longer available.]

**# 021 [25 Pa. Code §129.204]**

**Emission accountability.**

(a) If the combined allowable NOx emissions for the engines of the reciprocating compressors during the ozone season exceed the combined actual NOx emissions from the engines during the ozone season, the permittee may deduct the difference or any portion of the difference from the amount of actual NOx emissions from sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities (during the same period).

(b) If the combined allowable NOx emissions for all sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities during an ozone season exceed the combined actual NOx emissions from the engines of the reciprocating compressors during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual NOx emissions from the engines of the reciprocating compressors (during the same period).

**SECTION E. Source Group Restrictions.**

Group Name: COMPRESSOR ROD PACKING

Group Description: Reciprocating Compressor Rod Packing Conditions

**Sources included in this group**

| ID  | Name                       |
|-----|----------------------------|
| 101 | RECIPROCATING COMPRESSOR 1 |
| 102 | RECIPROCATING COMPRESSOR 2 |
| 103 | RECIPROCATING COMPRESSOR 3 |

**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 §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from §§ 60.5385a(d) and 60.5420a(c)(3), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall maintain records of the following information for each reciprocating compressor:

- (a) The cumulative hours of operation since the commencement of operation of, or the most recent rod packing replacement for, the reciprocating compressor.
- (b) The date and time of each rod packing replacement.
- (c) Any deviations from the rod packing replacement schedule specified in Condition # 004, Section E (under the Compressor Rod Packing source group), of this permit.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.5385a(d) and 60.5420a(b)(1) and (4), and 25 Pa. Code Chapter 122 and § 127.443(b).]

(a) The permittee shall submit an annual report for each reciprocating compressor containing the following information:

- (1) The general information indicated in Condition # 004(a)(1)(i)–(viii), Section D (under Source ID 400), of this permit.
- (2) The cumulative hours of operation since the commencement of operation of, or the most recent rod packing replacement for, the reciprocating compressor.
- (3) Any deviations from the rod packing replacement schedule specified in Condition # 004, Section E (under the Compressor Rod Packing source group), of this permit, that occurred during the compliance period.

(b) The permittee shall submit the annual report(s) in (a), above, no later than 90 days after the end of the compliance period. Each compliance period lasts for a period of 1 year, beginning on the day that the respective reciprocating compressor(s) commenced operation.

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.5385a(b)–(c), 60.5410a(c), 60.5415a(c), and 60.5420a(b); and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall demonstrate continuous compliance for each reciprocating compressor by complying with the following requirements for each compliance period:

- (a) Continuously monitor the hours of operation since the last rod packing replacement.
- (b) Maintain records as required in Condition # 001, Section E (under the Compressor Rod Packing source group), of this permit.
- (c) Replace the rod packing in accordance with the schedule specified in Condition # 004, Section E (under the Compressor Rod Packing source group), of this permit.
- (d) Submit an annual report in accordance with the timeframe specified in Condition # 002(b), Section E (under the Compressor Rod Packing source group), of this permit.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.5385a(a)(1) and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall replace the rod packing for each reciprocating compressor on or before the compressor has operated for 26,000 hours from the date of commencement of operation or the most recent rod packing replacement.

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: EMERGENCY GENERATOR SETS  
 Group Description: Emergency Generator Set Conditions

**Sources included in this group**

| ID  | Name                            |
|-----|---------------------------------|
| 600 | CUMMINS EMERGENCY GENERATOR SET |
| 601 | GENERAC EMERGENCY GENERATOR SET |

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.13(c)(1)(i) and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from the plan approval-exempt engine of each of the emergency generator sets occurs in such a manner that the concentration of (filterable) PM in the exhaust gas does not exceed 0.04 gr/dscf.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the combined emission into the outdoor atmosphere of NO<sub>x</sub> from the plan approval-exempt engines of the emergency generator sets is less than the following rates:

- (a) 100 lbs/hr.
- (b) 1,000 lbs/day.
- (c) 2.75 tons per ozone season.
- (d) 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that pipeline natural gas, as defined in 40 CFR § 72.2, is the only fuel consumed by the plan approval-exempt engines of the emergency generator sets.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4243(d)(2)–(3) and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall ensure that the plan approval-exempt engine of each of the emergency generator sets is operated in compliance with the following operating hours restrictions:

- (a) A total operating time of less than 500 hrs/yr, calculated monthly as a 12-month rolling sum.
- (b) A total operating time of less than or equal to 50 hours per calendar year for non-emergency situations, except that the

**SECTION E. Source Group Restrictions.**

following operations are prohibited:

- (1) Peak shaving.
- (2) Demand response.
- (3) Supplying power to an electric grid to generate income, or otherwise supplying power as part of a financial arrangement with another entity.
- (c) A total operating time of less than or equal to a total of 100 hours per calendar year for the following purposes:
  - (1) Any maintenance, including readiness testing and tune-ups.
  - (2) The non-emergency situations indicated in (b), above.

[Compliance with this permit condition assures that the engine of each of the emergency generator sets is considered an emergency engine in accordance with the provisions of 40 CFR Part 60, Subpart JJJJ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit.]

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for each of the emergency generator sets:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation, on an operating day basis:
  - (1) The hours of operation for each type of operation.
  - (2) The total hours of operation.
- (c) The amount of natural gas consumed by the plan approval-exempt engine of the emergency generator set on a monthly basis.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for each of the emergency generator sets:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation:
  - (1) The hours of operation for each type of operation, on an operating day, monthly, and annual basis.
  - (2) The total hours of operation, on an operating day, monthly, and 12-month rolling basis.



**SECTION E. Source Group Restrictions.**

(c) The amount of natural gas consumed by the plan approval-exempt engine of the emergency generator set on a monthly and 12-month rolling basis, calculated using a Department-approved method.

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

The plan approval-exempt engines of the emergency generator sets are subject to, and shall comply with, all applicable provisions of, 40 CFR Part 60, Subpart JJJJ.<sup>3</sup> In accordance with 40 CFR § 60.4, the permittee is required to submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The permittee shall submit these as indicated in Condition # 021(a)–(b), Section C, of this permit.

<sup>3</sup> The engine is also subject to 40 CFR Part 63, Subpart ZZZZ, but, pursuant to 40 CFR § 63.6590(c)(1), complies with this regulation by complying with the provisions of 40 CFR Part 60, Subpart JJJJ, instead.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

| Source Id      | Source Description         |                                                                                                                      |              |
|----------------|----------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| 101            | RECIPROCATING COMPRESSOR 1 |                                                                                                                      |              |
| Emission Limit |                            | Pollutant                                                                                                            |              |
| 0.250          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | CO           |
| 9.470          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | CO           |
| 0.050          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | Formaldehyde |
| 2.060          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | Formaldehyde |
| 0.250          | GRAMS/HP-Hr                | Brake-Specific; As Propane, Excluding Formaldehyde; From the Engine                                                  | NMNEHC       |
| 8.690          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; As Propane, Excluding Formaldehyde; From the Engines of Source IDs 101–103 | NMNEHC       |
| 0.500          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | NOX          |
| 16.300         | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | NOX          |
| 0.040          | gr/DRY FT3                 | Filterable; From the Engine                                                                                          | TSP          |
| 102            | RECIPROCATING COMPRESSOR 2 |                                                                                                                      |              |
| Emission Limit |                            | Pollutant                                                                                                            |              |
| 0.250          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | CO           |
| 9.470          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | CO           |
| 0.050          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | Formaldehyde |
| 2.060          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | Formaldehyde |
| 0.250          | GRAMS/HP-Hr                | Brake-Specific; As Propane, Excluding Formaldehyde; From the Engine                                                  | NMNEHC       |
| 8.690          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; As Propane, Excluding Formaldehyde; From the Engines of Source IDs 101–103 | NMNEHC       |
| 0.500          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | NOX          |
| 16.300         | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | NOX          |
| 0.040          | gr/DRY FT3                 | Filterable; From the Engine                                                                                          | TSP          |
| 103            | RECIPROCATING COMPRESSOR 3 |                                                                                                                      |              |
| Emission Limit |                            | Pollutant                                                                                                            |              |
| 0.250          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | CO           |
| 9.470          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | CO           |
| 0.050          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | Formaldehyde |
| 2.060          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | Formaldehyde |
| 0.250          | GRAMS/HP-Hr                | Brake-Specific; As Propane, Excluding Formaldehyde; From the Engine                                                  | NMNEHC       |
| 8.690          | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; As Propane, Excluding Formaldehyde; From the Engines of Source IDs 101–103 | NMNEHC       |
| 0.500          | GRAMS/HP-Hr                | Brake-Specific; From the Engine                                                                                      | NOX          |
| 16.300         | Tons/Yr                    | 12-Month Rolling Sum, Calculated Monthly; From the Engines of Source IDs 101–103                                     | NOX          |

**SECTION G. Emission Restriction Summary.**

| Source Id      |               | Source Description                                                                                    |           |                          |
|----------------|---------------|-------------------------------------------------------------------------------------------------------|-----------|--------------------------|
|                |               |                                                                                                       |           |                          |
| 0.040          | gr/DRY FT3    | Filterable; From the Engine                                                                           |           | TSP                      |
|                |               |                                                                                                       |           |                          |
| 300            |               | PIGGING OPERATIONS                                                                                    |           |                          |
| Emission Limit |               |                                                                                                       | Pollutant |                          |
| 0.500          | Tons/Yr       | Less Than; 12-Month Rolling Sum, Calculated Monthly; Any Individual HAP                               |           | Hazardous Air Pollutants |
| 1.000          | Tons/Yr       | Less Than; 12-Month Rolling Sum, Calculated Monthly; Total HAPs                                       |           | Hazardous Air Pollutants |
| 2.700          | Tons/Yr       | Less Than; 12-Month Rolling Sum, Calculated Monthly                                                   |           | VOC                      |
|                |               |                                                                                                       |           |                          |
| 600            |               | CUMMINS EMERGENCY GENERATOR SET                                                                       |           |                          |
| Emission Limit |               |                                                                                                       | Pollutant |                          |
| 4.000          | GRAMS/HP-Hr   | Brake-Specific; From the Plan Approval-Exempt Engine                                                  |           | CO                       |
| 540.000        | PPMV          | Dry Basis, Corrected to 15% O2; From the Plan Approval-Exempt Engine                                  |           | CO                       |
| 2.000          | GRAMS/HP-Hr   | Brake-Specific; From the Plan Approval-Exempt Engine                                                  |           | NOX                      |
| 2.750          | Tons/OZNESEAS | From the Plan Approval-Exempt Engines of Source IDs 600–601                                           |           | NOX                      |
| 6.600          | Tons/Yr       | 12-Month Rolling Sum, Calculated Monthly; From the Plan Approval-Exempt Engines of Source IDs 600–601 |           | NOX                      |
| 100.000        | Lbs/Hr        | From the Plan Approval-Exempt Engines of Source IDs 600–601                                           |           | NOX                      |
| 160.000        | PPMV          | Dry Basis, Corrected to 15% O2; From the Plan Approval-Exempt Engine                                  |           | NOX                      |
| 1,000.000      | Lbs/Day       | From the Plan Approval-Exempt Engines of Source IDs 600–601                                           |           | NOX                      |
| 0.040          | gr/DRY FT3    | Filterable                                                                                            |           | TSP                      |
| 1.000          | GRAMS/HP-Hr   | Brake-Specific; Excluding Formaldehyde; From the Plan Approval-Exempt Engine                          |           | VOC                      |
| 86.000         | PPMV          | Dry Basis, Corrected to 15% O2; Excluding Formaldehyde; From the Plan Approval-Exempt Engine          |           | VOC                      |
|                |               |                                                                                                       |           |                          |
| 601            |               | GENERAC EMERGENCY GENERATOR SET                                                                       |           |                          |
| Emission Limit |               |                                                                                                       | Pollutant |                          |
| 455.000        | GRAMS/HP-Hr   | Brake-Specific; From the Plan Approval-Exempt Engine                                                  |           | CO                       |
| 610.000        | GRAMS/KW-Hr   | Brake-Specific; From the Plan Approval-Exempt Engine                                                  |           | CO                       |
| 2.750          | Tons/OZNESEAS | From the Plan Approval-Exempt Engines of Source IDs 600–601                                           |           | NOX                      |
| 6.600          | Tons/Yr       | 12-Month Rolling Sum, Calculated Monthly; From the Plan Approval-Exempt Engines of Source IDs 600–601 |           | NOX                      |
| 100.000        | Lbs/Hr        | From the Plan Approval-Exempt Engines of Source IDs 600–601                                           |           | NOX                      |
| 1,000.000      | Lbs/Day       | From the Plan Approval-Exempt Engines of                                                              |           | NOX                      |

**SECTION G. Emission Restriction Summary.**

| Source Id          | Source Description                                            |
|--------------------|---------------------------------------------------------------|
| Source IDs 600–601 |                                                               |
| 6.000 GRAMS/HP-Hr  | Brake-Specific; From the Plan Approval-Exempt Engine NOx+NMHC |
| 8.000 GRAMS/KW-Hr  | Brake-Specific; From the Plan Approval-Exempt Engine NOx+NMHC |
| 0.040 gr/DRY FT3   | Filterable TSP                                                |

**Site Emission Restriction Summary**

| Emission Limit | Pollutant                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------|
| 25.000 Tons/Yr | Less Than; 12-Month Rolling Sum, Calculated Monthly NOX                                          |
| 25.000 Tons/Yr | Less Than; 12-Month Rolling Sum, Calculated Monthly VOC                                          |
| 10.000 Tons/Yr | Less Than; 12-Month Rolling Sum, Calculated Monthly, Any Individual HAP Hazardous Air Pollutants |
| 25.000 Tons/Yr | Less Than; 12-Month Rolling Sum, Calculated Monthly, Total HAPs Hazardous Air Pollutants         |

**SECTION H. Miscellaneous.**

- (a) The plant address is: 1145 Rich Hill Road, Quakertown, PA 18951.
- (b) Previously-issued Plan Approval No. 09-0242 serves as the basis for certain terms and conditions set forth in this operating permit.
- (c) The Department has determined the following to be insignificant sources of air emissions that do not require additional restrictions, monitoring, or recordkeeping (except that, if required, the permittee shall include the emissions from the sources in the emissions inventory for the facility, pursuant to 25 Pa. Code Chapter 135). They are still subject to any applicable federal, state, and local laws and regulations, including those indicated in Section C, of this permit:
- (1) Natural gas-driven continuous bleed pneumatic controllers, each of which operate at a natural gas bleed rate of less than or equal to 6 standard cubic feet per hour (scfh).
- (2) Three ASTs, as follows:

| Material Stored                                | Capacity (gal) |
|------------------------------------------------|----------------|
| Produced Fluids (~95% water and 5% condensate) | 1,000          |
| Engine Oil                                     | 500            |
| Triethylene glycol (TEG)                       | 500            |



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

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