



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: November 13, 2025 Effective Date: November 25, 2025
Revision Date: November 25, 2025 Expiration Date: January 19, 2031
Revision Type: Modification

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: 15-00041

Synthetic Minor

Federal Tax Id - Plant Code: 52-0702406-1

Owner Information

Name: EASTERN SHORE NATURAL GAS CO
Mailing Address: 500 ENERGY LN STE 100
DOVER, DE 19901-4989

Plant Information

Plant: EASTERN SHORE NATURAL GAS CO/DALEVILLE
Location: 15 Chester County 15936 Londonderry Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: CHRIS STRYKER
Title: REGIONAL MGR., OPERATIONS
Phone: (302) 736 - 7658 Email: cstryker@chpk.com

Permit Contact Person

Name: RANDALL MUSSELMAN
Title: COMPRESSOR MANAGR
Phone: (302) 359 - 7458 Email: rmusselman@esng.com

[Signature] _____
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



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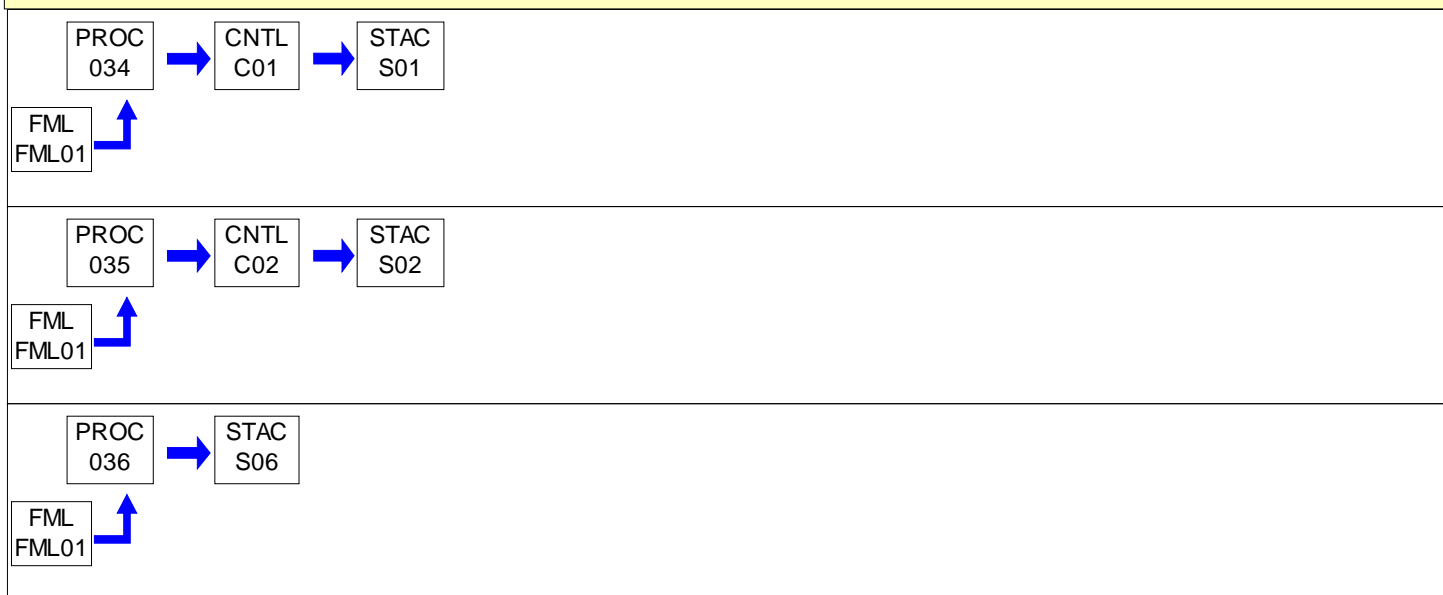
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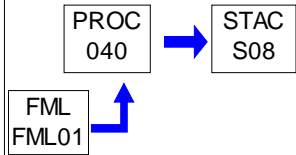
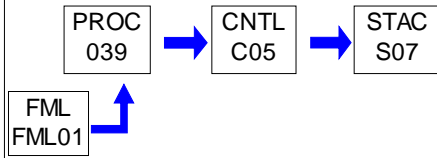
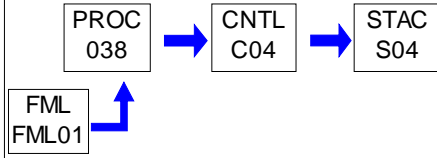
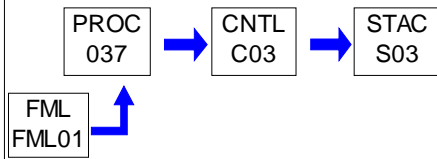
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
034	COMP-1, CAT G3606, 1775 BHP	13.370 MMBTU/HR	
		12.890 MCF/HR	Natural Gas
035	COMP-2, CAT G3606, 1775 BHP	13.370 MMBTU/HR	
		12.890 MCF/HR	Natural Gas
036	EGEN-1	2.490 MCF/HR	Natural Gas
037	COMP-3, CAT G3606 TALE, 1775 BHP	13.410 MMBTU/HR	
		12.890 MCF/HR	Natural Gas
038	COMP-4, CAT G3606TALE, 1775 BHP	13.410 MMBTU/HR	
		12.890 MCF/HR	Natural Gas
039	COMP-5, CAT G3612, 3750 BHP	27.179 MCF/HR	Natural Gas
040	EGEN-2	8.300 MMBTU/HR	
		7.980 MCF/HR	Natural Gas
C01	OX CAT-1		
C02	OX CAT-2		
C03	OX CAT-3		
C04	OX CAT-4		
C05	OX CAT-5		
FML01	NATURAL GAS PIPELINE		
S01	COMP-1 STACK		
S02	COMP-2 STACK		
S03	COMP-3 STACK		
S04	COMP-4 STACK		
S06	EGEN-1 STACK		
S07	COMP-5 STACK		
S08	EGEN-2 STACK		

PERMIT MAPS

**PERMIT MAPS**

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

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

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

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

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

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

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

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
 - (1) For a synthetic minor facility, a fee equal to:
 - (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.
 - (2) For a facility that is not a synthetic minor, a fee equal to:

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

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

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

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

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

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

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

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

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

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

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

**SECTION B. General State Only Requirements**

precluded by the Clean Air Act or its regulations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

**SECTION B. General State Only Requirements****#015 [25 Pa. Code § 127.11a]****Reactivation of Sources**

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

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

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

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

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

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

- (a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.
- (b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.
- (c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:
- Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)
- (d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.
- (e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**SECTION B. General State Only Requirements****#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

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

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

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

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

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

#023 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

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

**SECTION B. General State Only Requirements****#024 [25 Pa. Code §135.3]****Reporting**

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

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

#025 [25 Pa. Code §135.4]**Report Format**

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

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

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003.)

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

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)--(8) for this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (i) The emissions are of minor significance with respect to causing air pollution; and
- (ii) 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**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

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

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in any of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (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 the sources specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions).

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

(a) This State Only Operating Permit institutes a Federally Enforceable Emission Cap (FEEC) for NO_x emissions from this facility in accordance with the requirements of 25 Pa. Code § 127.448.

(b) Facility Emission Limitations

(1) The total NO_x emissions from the facility shall not exceed 24.9 tons per year expressed as a 12-month rolling sum, calculated monthly in accordance with the provisions of the Federally Enforceable Recordkeeping Requirements of the State Only Operating Permit. Any change that would result in an increase over the FEEC shall be subject to the requirements of Title 25, Chapter 127 and Chapter 129. This limit shall include emissions of NO_x from all sources at the facility, including sources as listed in the above Section A, Site Inventory List, of this State Only Operating Permit.

(2) The total Hazardous Air Pollutants (HAPs) emissions from the facility shall be less than 10 tons per year of any single HAP and less than 25 tons per year of any combination of the total HAPs, calculated monthly and expressed as a 12-month rolling sum.

(3) The total Carbon Monoxide (CO) emissions from the facility shall be less than 70 tons per year, calculated monthly and expressed as a 12-month rolling sum.

(4) The total Volatile Organic Compound (VOC) emissions from the facility shall be less than 16 tons per year, calculated monthly and expressed as a 12-month rolling sum.

(c) Any new source, or sources that are modified or reactivated, or air cleaning devices that are installed at the facility after the issue date of this FEEC State Only Operating Permit shall obtain all required permits or approvals before construction, modification, reactivation, and operation pursuant to all applicable U.S. EPA and PADEP major and minor new source review requirements.

(d) The permittee shall maintain and operate sources listed in this State Only Operating Permit Site Inventory in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.

008 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except when the open burning operations results from:

(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) Any 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.

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

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

**SECTION C. Site Level Requirements**

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Testing Requirements (all that apply)

- a. Plan approval number(s)
- b. Operating permit number
- c. Applicable federal subpart(s) (i.e. 40 CFR 60, Subpart JJJJ)
- d. Special purpose(s) (Consent Order, RFD, RACT, Tier II, etc.)

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests 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 DEP Source Testing Manual, and the EPA 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.

011 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the plant property for the following, once a week when the facility is manned:

- (1) odors which may be objectionable as per 25 Pa. Code §123.31);

**SECTION C. Site Level Requirements**

- (2) visible Emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions and visible emissions that are caused or may be caused by operations at the site 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); and
- (4) be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request accompanied with six (6) months of monitoring records, the Department will review and determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

(d) After six (6) months of weekly monitoring, and upon the permittee's request accompanied with six (6) months of monitoring records, the Department will review and determine the feasibility of decreasing the frequency of monitoring to monthly.

[Note: On 6/27/25, DEP sent a letter to the company approving monthly monitoring of odors, which may be objectionable, visible emissions and fugitive particulate matter.]

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

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

The permittee shall monitor:

(a) The emissions of NO_x, VOC, CO, and formaldehyde (HCHO), on a monthly basis, calculated as a 12-month rolling sum per source, to ensure compliance with the NO_x, VOC, CO, and formaldehyde emission limits in this State Only Operating Permit.

(b) On monthly basis, calculated as a 12-month rolling sum, the hours of operation and the fuel usage of all sources at the facility, including sources as listed in Section A, Site Inventory List.

(c) On a monthly basis, calculated as a 12-month rolling sum, the hours of operations of each source at the facility by the use of non-resettable hour meters installed on each engine including the emergency generator.

(d) On a monthly basis, calculated as a 12-month rolling sum, the fuel usage of the 1,775-Hp engines (Source ID(s): 034 and 035) by the fuel meter installed on the common line directed to those engines.

(e) On a monthly basis, calculated as a 12-month rolling sum, the fuel usage of the 1,775-Hp engines (Source ID(s): 037 and 038) of the gas compressors by the fuel meter installed on the common line directed to those engines. The permittee shall monitor, on a monthly basis, calculated as a 12-month rolling sum, the fuel usage of the 336-Hp engine (Source ID: 036) of the emergency generator by the fuel meter installed on the common line directed to those engine.

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

(a) The permittee shall maintain records:

(1) On a monthly basis, calculated as a 12-month rolling sum, the total NO_x, VOC, CO, and formaldehyde (HCHO) emissions from the facility. Records shall be kept to show compliance with the Plantwide FEEC of 24.9 tons of NO_x per year or less.

**SECTION C. Site Level Requirements**

(2) On monthly basis, calculated as a 12-month rolling sum, the hours of operation and the fuel usage of all sources at the facility, including sources as listed in Section A, Site Inventory List.

(3) On a monthly basis, calculated as a 12-month rolling sum, the hours of operations of each source at the facility by the use of non-resettable hour meters installed on each engine including the emergency generator.

(4) On a monthly basis, calculated as a 12-month rolling sum, the fuel usage of the 1,775-Hp engines (Source ID(s): 034 and 035) by the fuel meter installed on the common line directed to those engines.

(5) On a monthly basis, calculated as a 12-month rolling sum, the fuel usage of the 1,775-Hp engines (Source ID(s): 037 and 038) of the gas compressors by the fuel meter installed on the common line directed to those engines. The permittee shall monitor, on a monthly basis, calculated as a 12-month rolling sum, the fuel usage of the 336-Hp engine (Source ID: 036) of the emergency generator by the fuel meter installed on the common line directed to those engine.

(b) The permittee shall maintain these records on site, for a period for five (5) years, in a format approved by the Department and shall be made available upon request.

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

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

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

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) The name and title of the company representative monitoring these instances.
- (b) The date and time of the observation.
- (c) A description of any emissions or malodors observed. If none are observed, record "NONE."
- (d) The possible cause(s) of the emissions or malodors.
- (e) Corrective action(s) taken to abate or mitigate each recorded deviation and to prevent future occurrences.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to DEP'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 preventive maintenance, careless or improper operation, or operator error.

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

**SECTION C. Site Level Requirements**

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

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

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

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

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

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also 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 requirements 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) which meets the requirements 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 a major facility. The permittee shall submit the RMP to the federal Environmental Protection Agency 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 years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
- (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 the requirements 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 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.

**SECTION C. Site Level Requirements**

(d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a); or,

(2) Certify that this facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter 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, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

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

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

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

021 [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 cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III, or any other applicable rule promulgated under the Clean Air Act.

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

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.**# 023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

The permittee shall submit all requests, reports, applications, submittals, and other communications to both the Administrator and to the Regional Office of the Department. The copies shall be forwarded to:

Office of Air Enforcement and

Air Quality Program Manager

**SECTION C. Site Level Requirements**

Compliance Assistance (3AP20)
U.S. EPA Region III
Four Penn Center
1600 John F. Kennedy Blvd.
Philadelphia, PA 19103-2029

PA Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401-4915

024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5365a]**Subpart OOOOa - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015****Am I subject to this subpart?**

(a) This subpart establishes emission standards and compliance schedules for the control of the pollutant greenhouse gases (GHG). The greenhouse gas standard in this subpart is in the form of a limitation on emissions of methane (CH₄) from affected facilities in the crude oil and natural gas source category that commence construction, modification, or reconstruction after September 18, 2015. This subpart also establishes emission standards and compliance schedules for the control of volatile organic compounds (VOC) and sulfur dioxide (SO₂) emissions from affected facilities in the crude oil and natural gas source category that commence construction, modification, or reconstruction after September 18, 2015, and on or before December 6, 2022.

(b) Source ID: 039 (COMP-5) is subject to the applicable requirements of 40 C.F.R. Subpart OOOOa, as it was constructed within the applicability dates.

(c) For each collection of fugitive emissions components, the Permittee must monitor, maintain records and repair all sources of fugitive emissions, in accordance with 40 C.F.R. §§ 60.5397a and 60.5420a as applicable.

[Note: In accordance with 40 C.F.R. § 60.5397a(a), fugitive emissions are defined as any visible emission from a fugitive emissions component observed using optical gas imaging or an instrument reading of 500 parts per million (ppm) or greater using Method 21 of appendix A-7 to this part.]

(d) the event that the Federal Subpart that is the subject of this permit condition is revised, the permittee shall comply with the revised version of the subpart.

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: 034

Source Name: COMP-1, CAT G3606, 1775 BHP

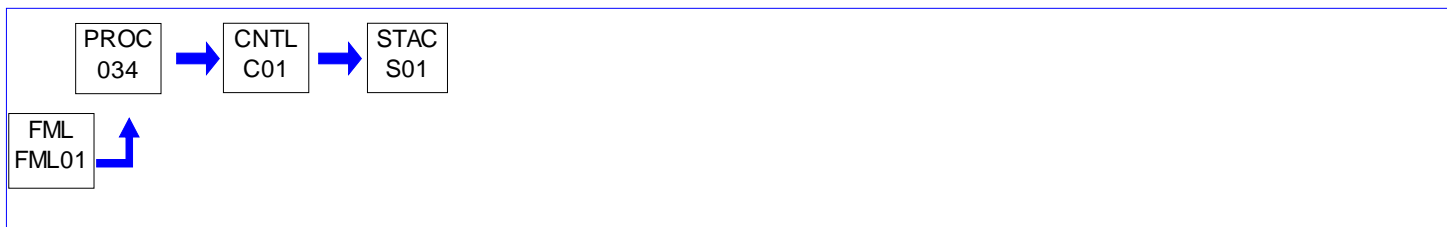
Source Capacity/Throughput:

13.370 MMBTU/HR

12.890 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GRP 1
GRP 3
GRP 5

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: COMP-2, CAT G3606, 1775 BHP

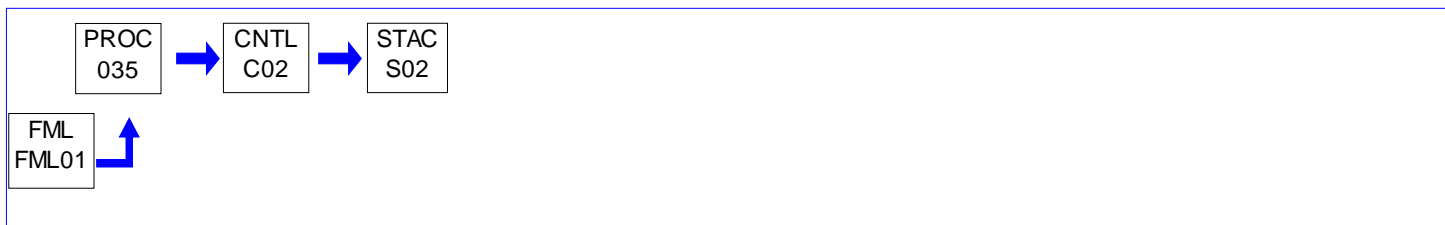
Source Capacity/Throughput:

13.370 MMBTU/HR

12.890 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GRP 1
GRP 3
GRP 5

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: EGEN-1

Source Capacity/Throughput:

2.490 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GRP 3

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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.

The permittee shall monitor the following for 336-hp emergency generator (Source ID: 036):

- (a) The hours of operation, using a non-resettable hour meter, on a monthly basis and as a 12-month rolling sum.
- (b) The fuel usage, on a monthly basis and as a 12-month rolling sum.
- (c) The emissions of CO, VOC, and NO_x, as a 12-month rolling sum.
- (d) The hours spent for emergency operation and what classified the operation as an operation, on a monthly basis and as a 12-month rolling sum.
- (e) The hours spent for non-emergency operation, on a monthly basis and as a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following for the 336-hp emergency generator (Source ID:036):

- (a) The hours of operation, using a non-resettable hour meter, on a monthly basis and as a 12-month rolling sum.
- (b) The fuel usage, on a monthly basis and as a 12-month rolling sum.
- (c) The emissions of CO, VOC, and NO_x, as a 12-month rolling sum.
- (d) The hours spent for emergency operation and what classified the operation as an operation, on a monthly basis and as

**SECTION D. Source Level Requirements**

a 12-month rolling sum.

(e) The hours spent for non-emergency operation, on a monthly basis and as a 12-month rolling sum.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.6625(f).]

(a) The permittee shall ensure that EGEN-1 (Source ID: 036) is equipped with a non-resettable hour meter to monitor the hours of operation.

(b) The permittee shall ensure that EGEN-1 (Source ID: 036) is equipped with a fuel meter on the common line directed to this unit to monitor the amount of fuel used.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: COMP-3, CAT G3606 TALE, 1775 BHP

Source Capacity/Throughput:

13.410 MMBTU/HR

12.890 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GRP 2
GRP 4
GRP 5

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 038

Source Name: COMP-4, CAT G3606TALE, 1775 BHP

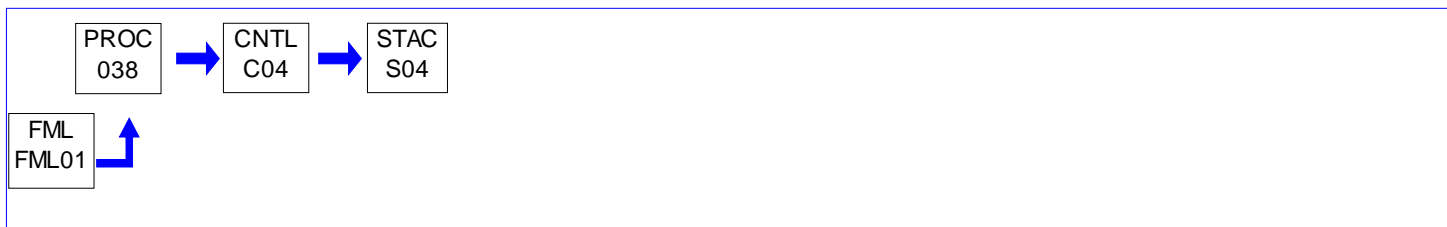
Source Capacity/Throughput:

13.410 MMBTU/HR

12.890 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GRP 2
GRP 4
GRP 5

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 039

Source Name: COMP-5, CAT G3612, 3750 BHP

Source Capacity/Throughput:

27.179 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GRP 4
GRP 5

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter this source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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

The permittee shall ensure that the total pollutant emissions from the COMP-5 reciprocating internal combustion engine (RICE) (Source ID: 039) shall not exceed the following, as calculated as a 12-month rolling sum:

- (a) Nitrogen Oxides (NOx): 18.11 tons per year
- (b) Carbon Monoxide (CO): 5.55 tons per year
- (c) Volatile Organic Compounds (VOC): 2.61 tons per year
- (d) Particulate Matter (PM): 1.22 ton per year
- (e) Sulfur Oxides (SOx): 0.1 ton per year
- (f) Formaldehyde: 0.8 ton per year

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

The permittee shall ensure that total natural gas usage for the COMP-5 RICE (Source ID: 039) shall not exceed 238,090,000 standard cubic feet per year, calculated on a 12-month rolling basis.

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

- (a) The permittee shall perform a stack test using the Department-approved procedures and 25 Pa. Code Chapter 139, in accordance with the performance test schedule required in 40 C.F.R. § 60.4243 on the COMP-5 RICE (Source ID: 039). Testing shall be performed to meet the applicable emission standards of Table 1 to 40 CFR Part 60, Subpart JJJJ for NOx, CO, VOC. The stack test shall be performed while engine is operating at plus or minus 10% of full load. Once compliance with this requirement has been demonstrated, the permittee will test the COMP-5 RICE (Source ID: 039) every three years or 8,760 hours of operation, in accordance with the applicable performance testing schedule pursuant to 40 C.F.R. § 60.4243 for NOx, CO, and VOC only.

**SECTION D. Source Level Requirements**

- (b) At least sixty (60) days prior to the 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.
- (c) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (d) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (e) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

The permittee shall monitor the natural gas fuel usage for the COMP-5 RICE (Source ID: 039) on a monthly basis and as a 12-month rolling sum.

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

The permittee shall monitor the pollutant emissions from the COMP-5 RICE (Source ID: 039) on a monthly basis and as a 12-month rolling sum.

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

The permittee shall monitor the gas temperature at the inlet of the oxidation catalyst for the COMP-5 RICE (Source ID: 039) on a daily basis, whenever operating.

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

The permittee shall maintain records of the gas temperature at the inlet of the oxidation catalyst for the COMP-5 RICE (Source ID: 039) on a daily basis, whenever operating.

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

The permittee shall calculate and maintain records of the pollutant emissions from the COMP-5 RICE (Source ID: 039) on a monthly basis and as a 12-month rolling sum.

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

The permittee shall maintain records of the natural gas fuel usage for the COMP-5 RICE (Source ID: 039) on a monthly basis and as a 12-month rolling sum.

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

The permittee shall ensure that the COMP-5 RICE (Source ID: 039) is equipped with a fuel meter on the common line

**SECTION D. Source Level Requirements**

directed to the unit to monitor the natural gas fuel usage.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 040

Source Name: EGEN-2

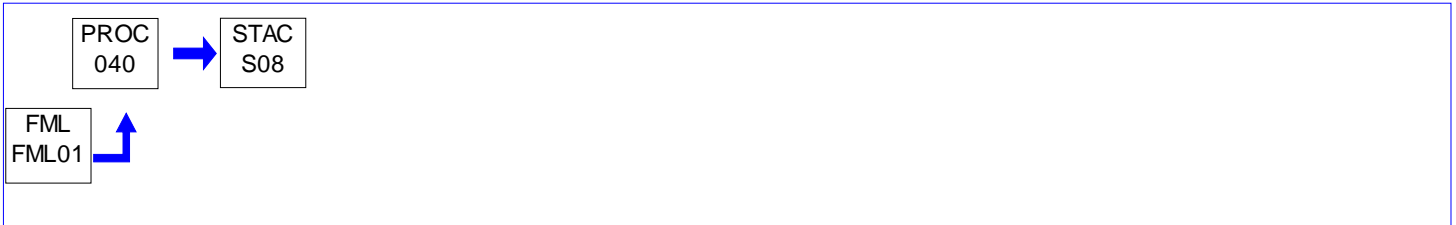
Source Capacity/Throughput:

8.300 MMBTU/HR

7.980 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: GRP 4
GRP 5

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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

The permittee shall ensure that the pollutant emissions from the EGEN-2 (Source ID: 040) shall not exceed the following:

- (1) Nitrogen Oxide (NOx): 1.27 tons per year as a 12-month rolling sum
- (2) Carbon Monoxide (CO): 2.53 tons per year as a 12-month rolling sum
- (3) Volatile Organic Compounds (VOC): 0.63 ton per year as a 12-month rolling sum
- (4) Sulfur Oxide (SOx): 0.001 ton per year as a 12-month rolling sum
- (5) Particulate Matter (PM10): 0.03 ton per year as a 12-month rolling sum
- (6) Total Hazardous Air Pollutants (HAPs): 0.15 ton per year as a 12-month rolling sum

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 also derived from 40 CFR § 63.6625(f).]

The permittee shall monitor the following from the EGEN-2 (Source ID: 040):

- (a) The hours of operation, using a non-resettable hour meter, on a monthly basis and as a 12-month rolling sum.
- (b) The fuel usage, on a monthly basis and as a 12-month rolling sum.
- (c) The emissions NOx, CO, VOC, SOx, PM, and HAPs on a monthly basis and as a 12-month rolling sum.

**SECTION D. Source Level Requirements**

(d) The hours spent for emergency operation and what classified the operation as an emergency, on a monthly basis and as a 12-month rolling sum.

(e) The hours spent for non-emergency operation, on a monthly basis and as a 12-month rolling sum.

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

[Additional authority for this permit condition is also derived from 40 CFR § 63.6625(f).]

The permittee shall maintain records of the following for the EGEN-2 (Source ID: 040):

(a) The hours of operation, using a non-resettable hour meter, on a monthly basis and as a 12-month rolling sum.

(b) The fuel usage, on a monthly basis and as a 12-month rolling sum.

(c) The emissions of NO_x, CO, VOC, SO_x, PM, and HAPs calculated on a monthly basis and as a 12-month rolling sum.

(d) The hours spent for emergency operation and what classified the operation as an emergency, on a monthly basis and as a 12-month rolling sum.

(e) The hours spent for non-emergency operation, on a monthly basis and as a 12-month rolling sum.

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

(a) The permittee shall ensure that the EGEN-2 (Source ID: 040) is equipped with a non-resettable hour meter to monitor the hours of operation.

(b) The permittee shall ensure that the EGEN-2 (Source ID: 040) is equipped with a fuel meter on the common line to monitor the amount of fuel used by this source.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: GRP 1

Group Description: COMP-1 and COMP-2

Sources included in this group

ID	Name
034	COMP-1, CAT G3606, 1775 BHP
035	COMP-2, CAT G3606, 1775 BHP

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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

The permittee shall ensure that the total, combined pollutant emissions from COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) shall not exceed the following, calculated as a 12-month rolling sum:

- (a) Nitrogen Oxides (NOx): 19.27 tons per year.
- (b) Carbon Monoxide (CO): 68.82 tons per year.
- (c) Volatile Organic Compound (VOC): 15.6 tons per year.
- (d) Particulate Matter (PM): 1.0 ton per year.
- (e) Sulfur Oxides (SOx): 0.06 ton per year.
- (f) Formaldehyde (HCHO): 6.6 tons per year.

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

The permittee shall ensure that total, combined natural gas usage for COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) shall not exceed 185,000,000 standard cubic feet per year, calculated as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor, on a monthly basis, the hours of operation and using a fuel meter on the common line directed to COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035), the amount of fuel (natural gas) used.

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

The permittee shall monitor the emissions of NOx, CO, VOC, PM, SOx and HCHO from COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) on a monthly basis.

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

The permittee shall monitor the gas temperatures at the inlet of the oxidation catalysts for COMP-1 (Source ID: 034) and

**SECTION E. Source Group Restrictions.**

COMP-2 (Source ID: 035) on a daily basis, whenever operating.

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

The permittee shall maintain records of the gas temperatures at the inlet of the oxidation catalysts for COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) on a daily basis, whenever operating.

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

The permittee shall calculate and maintain records of NO_x, CO, VOC, PM, SO_x and HCHO emissions from COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) on a monthly basis and as a 12-month rolling sum.

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

The permittee shall maintain records of the hours of operation and the natural gas fuel usage for COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) on a monthly basis and as a 12-month rolling sum.

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

(a) The permittee shall ensure that both COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) are equipped with non-resettable hour meters to monitor the hours of operation.

(b) The permittee shall ensure that both COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) are equipped with fuel meters on the common line directed to the individual unit to monitor the amount of fuel used.

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

The permittee shall maintain and operate the oxidation catalyst at all times when engine(s) are in use.

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: GRP 2

Group Description: COMP-3 and COMP-4

Sources included in this group

ID	Name
037	COMP-3, CAT G3606 TALE, 1775 BHP
038	COMP-4, CAT G3606TALE, 1775 BHP

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

The permittee shall ensure that the total, combined pollutant emissions from COMP-3 (Source ID: 037) and COMP-4 (Source ID: 038) shall not exceed the following, as calculated on a 12-month rolling basis:

- (a) Nitrogen Oxides (NO_x): 17.2 tons per year;
- (b) Carbon Monoxide (CO): 6.6 tons per year;
- (c) Volatile Organic Compound (VOC): 4.4 tons per year;
- (d) Particulate Matter (PM): 1.2 ton per year;
- (e) Sulfur Oxides (SO_x): 0.1 ton per year;
- (f) Formaldehyde: 1.0 tons per year.

002 [25 Pa. Code §123.13]**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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

The permittee shall ensure that total, combined natural gas usage for COMP-3 (Source ID: 037) and COMP-4 (Source ID: 038) shall not exceed 229,245,000 standard cubic feet per year, calculated on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor, using a fuel meter on the common line directed to COMP-3 (Source ID: 037) and COMP-4 (Source ID: 038), the hours of operation and the amount of fuel used, on a monthly basis.

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

The permittee shall monitor the emissions of NO_x, CO VOC, PM, SO_x, and formaldehyde from COMP-3 (Source ID: 037) and COMP-4 (Source ID: 038), on a monthly basis.

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

The permittee shall monitor the gas temperature at the inlet of the oxidation catalyst for COMP-3 (Source ID: 037) and

**SECTION E. Source Group Restrictions.**

COMP-4 (Source ID: 038) on a daily basis, whenever operating.

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

The permittee shall maintain records of the gas temperature at the inlet of the oxidation catalyst for COMP-3 (Source ID: 037) and COMP-4 (Source ID: 038), on a daily basis, whenever operating.

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

The permittee shall calculate and maintain records of the NO_x, CO, VOC, PM, SO_x, and formaldehyde emissions from COMP-3 (Source ID: 037) and COMP-4 (Source ID: 038), on a monthly basis.

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

The permittee shall maintain monthly records of the natural gas fuel usage for COMP-3 (Source ID: 037) and COMP-4 (Source ID: 038).

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

The permittee shall ensure that this unit is equipped with a fuel meter shall on the common line directed to this unit to monitor the amount of fuel (natural gas) used.

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

The permittee shall maintain and operate the oxidation catalyst at all times when engine(s) are in use.

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: GRP 3

Group Description: 40 CFR 63, Subpart ZZZZ

Sources included in this group

ID	Name
034	COMP-1, CAT G3606, 1775 BHP
035	COMP-2, CAT G3606, 1775 BHP
036	EGEN-1

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [40 CFR Part 63 NESHA PS for Source Categories §40 CFR 63.6585]

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

Am I subject to this subpart?

The sources in GRP 3 are subject to requirements specified in 40 C.F.R. Part 63 Subpart ZZZZ and as such will applicable standards for each sources.

(a) The permittee shall operate the emergency stationary R.I.C.E. (EGEN-1 (Source ID: 36)) according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(b) If the permittee does not operate EGEN-1 (Source ID: 036) according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for non-emergency engines.

[Note: COMP-1 (Source ID: 034) and COMP-2 (Source ID: 035) are existing compressor engines that are 4-stroke, lean burn spark ignition RICE rated at greater than 500 hp each that operate more than 24 hours per year each.]

**SECTION E. Source Group Restrictions.**

Group Name: GRP 4

Group Description: 40 CFR 60, Subpart JJJJ

Sources included in this group

ID	Name
037	COMP-3, CAT G3606 TALE, 1775 BHP
038	COMP-4, CAT G3606TALE, 1775 BHP
039	COMP-5, CAT G3612, 3750 BHP
040	EGEN-2

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Am I subject to this subpart?**

The sources in GRP 4 are subject to requirements specified in 40 C.F.R. Part 60 Subpart JJJJ and as such will applicable standards for each sources.

(a) The permittee shall operate the emergency stationary R.I.C.E. EGEN -2 (Source ID: 040) according to the requirements in the most recent version of 40 C.F.R. Section 60.4243(d).

(b) If the permittee does not operate EGEN-2 (Source ID: 040) according to the requirements of 40 C.F.R. Section 60.4243(d), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart JJJJ and must meet all requirements for nonemergency engines.

[Note: COMP-3 (Source ID: 037), COMP-4 (Source ID: 038) and COMP-5 (Source ID: 039) are non-emergency, 4-stroke, lean burn spark ignition RICE rated at greater than 500-hp each.]

**SECTION E. Source Group Restrictions.**

Group Name: GRP 5

Group Description: Additional NO_x Requirements for Stationary ICE

Sources included in this group

ID	Name
034	COMP-1, CAT G3606, 1775 BHP
035	COMP-2, CAT G3606, 1775 BHP
037	COMP-3, CAT G3606 TALE, 1775 BHP
038	COMP-4, CAT G3606TALE, 1775 BHP
039	COMP-5, CAT G3612, 3750 BHP
040	EGEN-2

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) The owner or operator of a stationary internal combustion engine rated at greater than 1,000 horsepower and located in Bucks, Chester, Delaware, Montgomery or Philadelphia County shall comply with this section and 25 Pa. Code § 129.204 (relating to emission accountability).

(b) By October 31, of each year, the owner or operator of the stationary internal combustion engine shall calculate the difference between the actual emissions from the unit during the period from May 1 through September 30 and the allowable emissions for that period.

(c) The owner or operator shall calculate allowable emissions by multiplying the cumulative hours of operations for the unit for the period by the horsepower rating of the unit and by the applicable emission rate set forth in paragraph (1):

(1) For a spark-ignited engine, 3.0 grams of NO_x per brake horsepower-hour.

**SECTION E. Source Group Restrictions.****# 002 [25 Pa. Code §129.204]****Emission accountability.**

(a) The owner or operator of a stationary internal combustion engine as described in 25 Pa. Code §§ 129.201--129.203 shall determine actual emissions in accordance with one of the following:

(1) If the owner or operator of the unit is not required to monitor NO_x emissions with a CEMS, one of the following shall be used to determine actual emissions NO_x:

(i) The 1-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NO_x.

(ii) The maximum hourly allowable NO_x emission rate contained in the permit or the higher of the following:

(A) The highest rate determined by use of the emission factor for the unit class contained in the most up-to date version of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors."

(B) The highest rate determined by use of the emission factor for the unit class contained in the most up-to date version of EPA's "Factor Information Retrieval (FIRE)" data system.

(iii) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The operator of the unit shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. In regard to obtaining the Department's approval for an alternate calculation method and recordkeeping procedure for actual emissions, the owner or operator may request an adjustment to the allowable emissions calculations set forth in 25 Pa. Code §§ 129.201--129.203. An allowable emission adjustment may not overestimate a unit's allowable emissions and must be based upon the parameters and procedures proposed in the alternate calculation method for actual emissions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

(b) The owner or operator of a unit subject to this section shall surrender to the Department one CAIR NO_x allowance and one CAIR NO_x Ozone Season allowance, as defined in §§40 CFR 96.102 and 96.302 (relating to definitions), for each ton of NO_x by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

(c) If the combined allowable emissions from units subject to this section at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this section at the facility during the same period, the owner or operator may deduct the difference or any portion of the difference from the amount of actual emissions from units subject to this section at the owner or operator's other facilities.

(d) By November 1 of each year, an owner or operator of a unit subject to this section shall surrender the required NO_x allowances to the Department's designated NO_x allowance tracking system account and provide to the Department, in writing, the following:

(1) The serial number of each NO_x allowance surrendered.

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

(e) If an owner or operator fails to comply with subsection (d), the owner or operator shall by December 31 surrender three NO_x allowances of the current or later year vintage for each NO_x allowance that was required to be surrendered by November 1 of that year.

(f) The surrender of NO_x allowances under subsection (e) does not affect the liability of the owner or operator of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1

**SECTION E. Source Group Restrictions.**

through September 30, each day in that period (153 days) constitutes a day in violation unless the owner or operator of the unit demonstrates that a lesser number of days should be considered.

- (2) Each ton of excess emissions is a separate violation.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
034	COMP-1, CAT G3606, 1775 BHP		
Emission Limit		Pollutant	
68.820	Tons/Yr	combined COMP-1, COMP-2	CO
6.600	Tons/Yr	combined COMP-1, COMP-2	Formaldehyde
19.270	Tons/Yr	combined COMP-1, COMP-2	NOX
0.060	Tons/Yr	combined COMP-1, COMP-2	SOX
0.040	gr/DRY FT3	particulate matter	TSP
1.000	Tons/Yr	combined COMP-1, COMP-2	TSP
15.600	Tons/Yr	combined COMP-1, COMP-2	VOC
035	COMP-2, CAT G3606, 1775 BHP		
Emission Limit		Pollutant	
68.820	Tons/Yr	combined COMP-1, COMP-2	CO
6.600	Tons/Yr	combined COMP-1, COMP-2	Formaldehyde
19.270	Tons/Yr	combined COMP-1, COMP-2	NOX
0.060	Tons/Yr	combined COMP-1, COMP-2	SOX
0.040	gr/DRY FT3	particulate matter	TSP
1.000	Tons/Yr	combined COMP-1, COMP-2	TSP
15.600	Tons/Yr	combined COMP-1, COMP-2	VOC
036	EGEN-1		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	particulate matter	TSP
037	COMP-3, CAT G3606 TALE, 1775 BHP		
Emission Limit		Pollutant	
6.600	Tons/Yr	combined COMP-3, 4	CO
1.000	Tons/Yr	combined COMP-3, 4	Formaldehyde
17.200	Tons/Yr	combined COMP-3, 4	NOX
0.100	Tons/Yr	combined COMP-3, 4	SOX
0.040	gr/DRY FT3	particulate matter	TSP
1.200	Tons/Yr	combined COMP-3, 4	TSP
4.400	Tons/Yr	combined COMP-3, 4	VOC
038	COMP-4, CAT G3606TALE, 1775 BHP		
Emission Limit		Pollutant	
6.600	Tons/Yr	combined COMP-3, 4	CO
1.000	Tons/Yr	combined COMP-3, 4	Formaldehyde
17.200	Tons/Yr	combined COMP-3, 4	NOX
0.100	Tons/Yr	combined COMP-3, 4	SOX
0.040	gr/DRY FT3	particulate matter	TSP
1.200	Tons/Yr	combined COMP-3, 4	TSP
4.400	Tons/Yr	combined COMP-3, 4	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
039	COMP-5, CAT G3612, 3750 BHP		
Emission Limit		Pollutant	
5.500	Tons/Yr		CO
0.800	Tons		Formaldehyde
18.110	Tons/Yr		NOX
0.100	Tons/Yr		SOX
0.040	gr/DRY FT3	particulate matter	TSP
1.220	Tons/Yr	particulate matter	TSP
2.610	Tons/Yr		VOC
040	EGEN-2		
Emission Limit		Pollutant	
2.530	Tons/Yr	12-month rolling sum	CO
0.150	Tons/Yr	12-month rolling sum	Hazardous Air Pollutants
1.270	Tons/Yr	12-month rolling sum	NOX
0.030	Tons/Yr	12-month rolling sum	PM10
0.001	Tons/Yr	12-month rolling sum	SOX
0.040	gr/DRY FT3	particulate matter	TSP
0.630	Tons/Yr	12-month rolling sum	VOC

Site Emission Restriction Summary

Emission Limit		Pollutant
24.900 Tons/Yr	12-month rolling sum	NOX
10.000 Tons/Yr	any single HAP	Hazardous Air Pollutants
25.000 Tons/Yr	aggregate HAPs	Hazardous Air Pollutants
70.000 Tons/Yr	12-month rolling sum	CO
16.000 Tons/Yr	12-month rolling sum	VOC

**SECTION H. Miscellaneous.**

(a) The following serves as the basis for certain terms and conditions set forth in this Permit:

(i) 350-hp Natural Gas-Fired Emergency Generator (RFD #15-A01-834)

(b) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring or recordkeeping:

(i) Nine (9) 72,000 BTU Catalytic Heaters (Unit 5 Building)

(ii) Five (5) 72,000 BTU Catalytic Heaters (Units 1-4 Building)

(iii) Four (4) 60,000 BTU Catalytic Heaters (Units 1-4 Building)

[Note: The above sources are exempt under 25 PA Code 127.14(a)(2), and therefore classified as miscellaneous emissions sources.]

(iv) Two (2) Waste Oil Tanks (2,000 gallons each)

[Note: The above source is exempt under 25 PA Code 127.14(a)(8), Document 275-2101-003 (15) and therefore classified as a miscellaneous emissions source.]

(v) Fugitive Emissions (including piping component fugitives and gas releases)

(vi) Venting/Blowdowns

(b) The basis for this State Only Operating Permit 15-00041 (Synthetic Minor) (APS ID: 553943, Auth ID: 593658) is the previously issued Plan Approval PA-15-0041A (A Federally Enforceable Emission Cap (FEEC) for the natural gas compressor station NO_x sources)).

(c) This State Only Operating Permit 15-00041 (Synthetic Minor) (APS ID: 553943, Auth ID: 827761) has been renewed.

(d) Per 25 Pa. Code Section 127.463, this State Only Operating Permit 15-00041 (Synthetic Minor) (APS ID: 553943, Auth ID: 875540) has been administratively amended to incorporate the provisions of §40 CFR 63, Subpart ZZZZ.

(e) This State Only Operating Permit 15-00041 (APS ID: 553943, Auth ID: 1011181) has been administratively amended to incorporate the applicable requirements of Plan Approval 15-0041B.

(f) Specifically, for each ozone season beginning after January 1, 2015, the Department intends to accept the surrender of annual and ozone season TR NO_x allowances as a compliance alternative to the surrender of annual and ozone season CAIR NO_x allowances if the TR allowances are surrendered for compliance purposes in a manner consistent with the surrender provisions for CAIR allowances set forth in the applicable sections specified in this notice. The Department consulted with staff in the United States Environmental Protection Agency (EPA) Region III Office in developing an alternative allowance surrender approach for compliance with the applicable SIP-approved requirements. To this end, the EPA has confirmed, in writing, that TR NO_x allowances may be surrendered as set forth in the applicable regulations in 25 Pa. Code Chapters 129 and 145. A detailed notice was published in the PA bulletin on April 4, 2015 [45 Pa.B. 1687].

(g) The State Only Operating Permit 15-00041 (APS ID: 553943, Auth ID: 1078059) has been renewed.

(h) In a letter dated, 1/15/2020, DEP approved of the company's request to reduce the frequency of monitoring for malodor, fugitive and visible emissions as required in Section C, Condition #013 to weekly.

(i) The State Only Operating Permit 15-00041 (APS ID: 553943, Auth ID: 1300188) has been administratively amended to incorporate Plan Approval(s) 15-0041C and 15-0041D.

(j) The State Only Operating Permit 15-00041 (APS ID: 553943, Auth ID: 1316079) has been renewed.

(k) The State Only Operating Permit 15-00041 (APS ID: 553943, Auth ID: 1412898) has been administratively amended to incorporate Plan Approval 15-0041E.

(l) The State Only Operating Permit 15-00041 (APS ID: 553943, Auth ID: 1527837) has been renewed.

**SECTION H. Miscellaneous.**

[Note: In accordance 25 Pa. Code Section 127.450 and as part of this renewal application, the name, title and information associated with both the Responsible Official and the Permit Contact Person have been updated.]

APS: 553943 AUTH: 1544922

This operating permit has been modified to address the increased rating of Compressor 1 & 2. The rating changed from 1665 hp to 1775 hp. The increase was approved through RFD No. 11290 on October 1, 2025.



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