



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

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: July 31, 2023

Effective Date: July 31, 2023

Expiration Date: July 30, 2028

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: 46-00267**

Synthetic Minor

Federal Tax Id - Plant Code: 59-3638780-2

**Owner Information**

Name: FLEXENTIAL

Mailing Address: 101 TROUTMAN RD  
COLLEGEVILLE, PA 19426-2972

**Plant Information**

Plant: FLEXENTIAL/ UPPER PROVIDENCE TWP

Location: 46 Montgomery County 46957 Upper Providence Township

SIC Code: 7376 Services - Computer Facilities Management

**Responsible Official**

Name: MACE WARREN

Title: CRIT INFRASTRUCTURE MGR

Phone: (215) 443 - 6076

Email: michael.warren@flexential.com

**Permit Contact Person**

Name: MACE WARREN

Title: CRIT INFRASTRUCTURE MGR

Phone: (215) 443 - 6076

Email: michael.warren@flexential.com

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

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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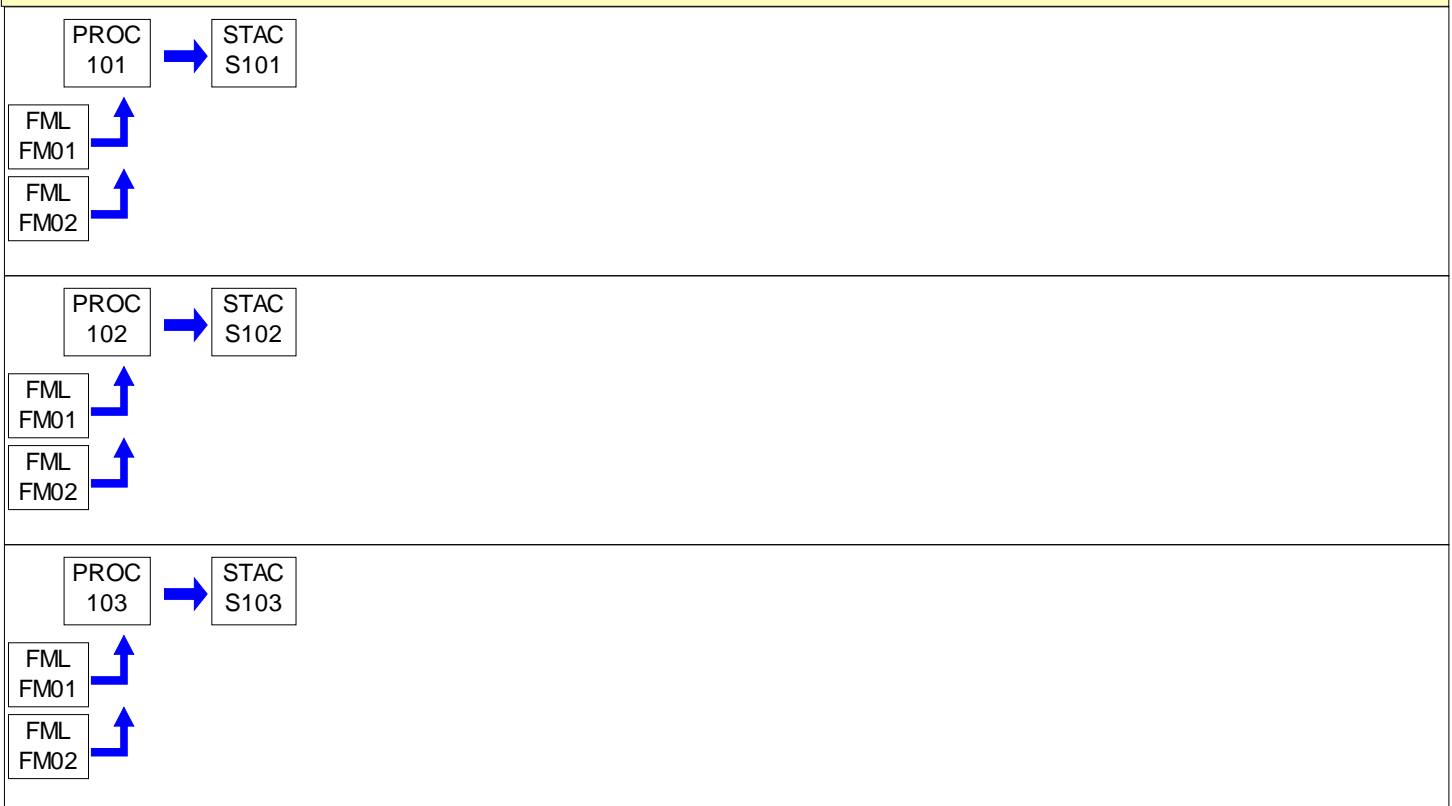
- F-I: Restrictions
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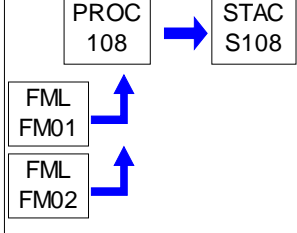
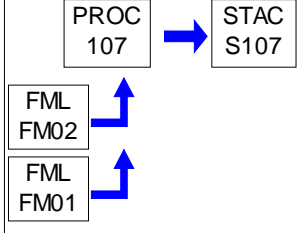
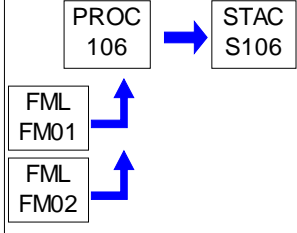
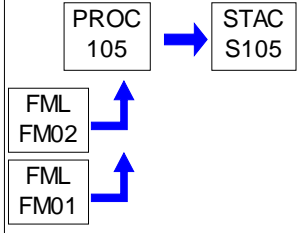
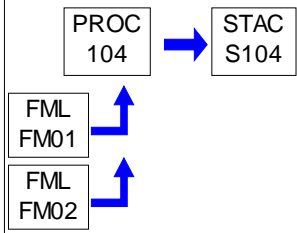
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	2000 KW GENERATOR ENGINE (3058 BHP) (A-1)	20.620 MMBTU/HR	
102	2000 KW GENERATOR ENGINE (3058 BHP) (A-2)	20.620 MMBTU/HR	
103	2000 KW GENERATOR ENGINE (3058 BHP) (A-3)	20.620 MMBTU/HR	
104	2000 KW GENERATOR ENGINE (3058 BHP) (A-4)	20.620 MMBTU/HR	
105	2000 KW GENERATOR ENGINE (3058 BHP) (B-1)	20.620 MMBTU/HR	
106	2000 KW GENERATOR ENGINE (3058 BHP) (B-2)	20.620 MMBTU/HR	
107	2000 KW GENERATOR ENGINE (3058 BHP) (B-3)	20.620 MMBTU/HR	
108	2000 KW GENERATOR ENGINE (3058 BHP) (B-4)	20.620 MMBTU/HR	
FM01	DIESEL FUEL		
FM02	NO.2 FUEL OIL		
S101	2000 KW GENERATOR ENGINE STACK (A-1)		
S102	2000 KW GENERATOR ENGINE STACK (A-2)		
S103	2000 KW GENERATOR ENGINE STACK (A-3)		
S104	2000 KW GENERATOR ENGINE STACK (A-4)		
S105	2000 KW GENERATOR ENGINE STACK (B-1)		
S106	2000 KW GENERATOR ENGINE STACK (B-2)		
S107	2000 KW GENERATOR ENGINE STACK (B-3)		
S108	2000 KW GENERATOR ENGINE STACK (B-4)		

**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.

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

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

(e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

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

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §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**

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

- (a) construction or demolition of buildings or structures;
- (b) grading, paving and maintenance of roads and streets;
- (c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;
- (d) clearing of land;
- (e) stockpiling of materials;
- (f) open burning operations, as specified in 25 Pa. Code § 129.14;
- (g) N/A;
- (h) N/A; and
- (i) sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

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)(1)-(9) (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; or
- (b) equal to or greater than 60% at any time.

Note: Each of the eight generator engines at this facility Source IDs 101 through 108 are subject to the visible emissions limitations of Section E, Condition #002.

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

The opacity limitations as per 25 Pa. Code Section 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 to meet the limitations.

**SECTION C. Site Level Requirements**

- (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 Section 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

**# 007 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result 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; or
- (g) a fire set solely for cooking food.

**II. TESTING REQUIREMENTS.****# 008 [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(s) 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 are 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 and 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.****# 009 [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.

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
  - (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).

**SECTION C. Site Level Requirements**

(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, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.

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

(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 (if applicable), complaints, monitoring results, and/or Department findings.

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [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; and
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

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

The permittee shall record sufficient data so that compliance with the conditions in this Operating Permit can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

**# 013 [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) date, time, and location of the incident(s);
- (b) the cause of the event; and
- (c) the corrective action taken, if necessary, to abate the situation and prevent future occurrences.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. 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



**SECTION C. Site Level Requirements**

telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

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

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

[Additional authority for this permit condition is also derived from 40 C.F.R 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 C.F.R. 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 C.F.R. 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 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 C.F.R. § 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 C.F.R. § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 C.F.R. 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 C.F.R. § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of

**SECTION C. Site Level Requirements**

such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

- (d) If this facility is subject to 40 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 CFR 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 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 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 register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

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

A person responsible for any source specified in 25 Pa. Code Section 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; and
- (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.

**# 017 [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.

**# 018 [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.

**# 019 [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.

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

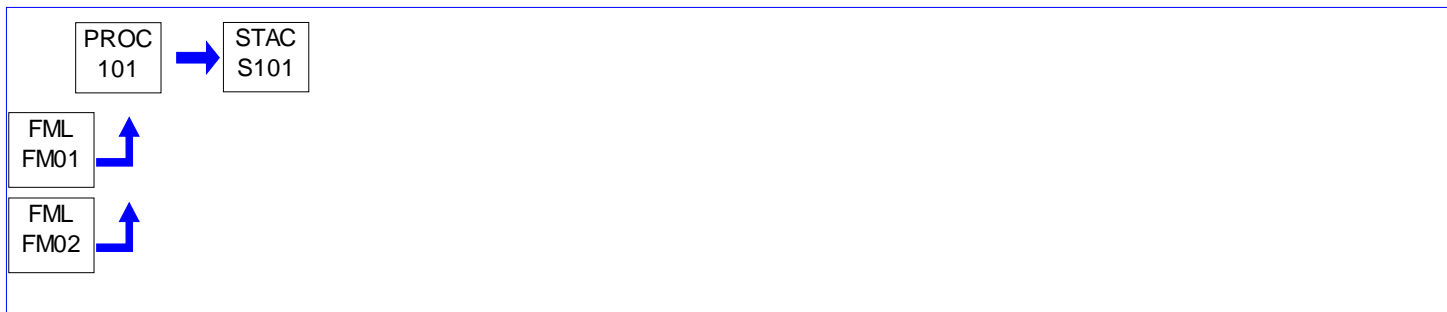
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (A-1)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2007 Detroit Diesel Model No. 16 V 4000 G43, rated at 2280 bkW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.

**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

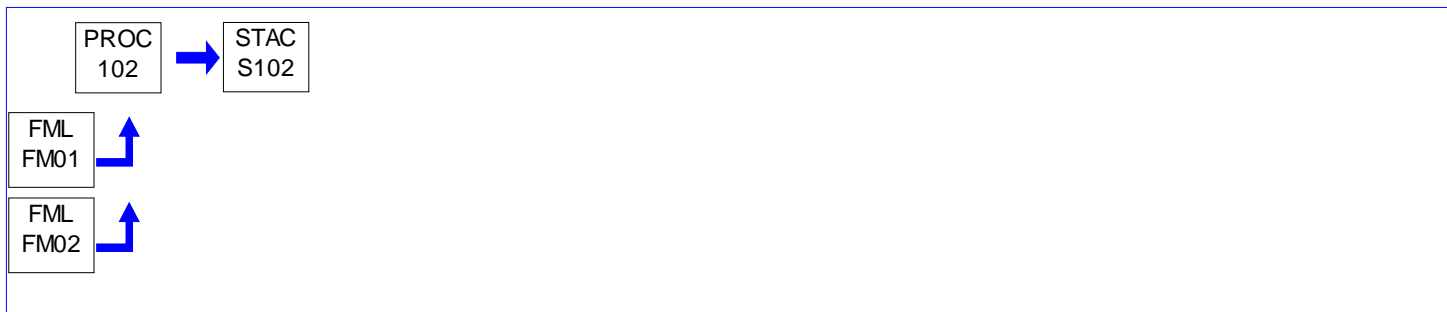
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (A-2)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2007 Detroit Diesel Model No. 16 V 4000 G43, rated at 2280 bkW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.

**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

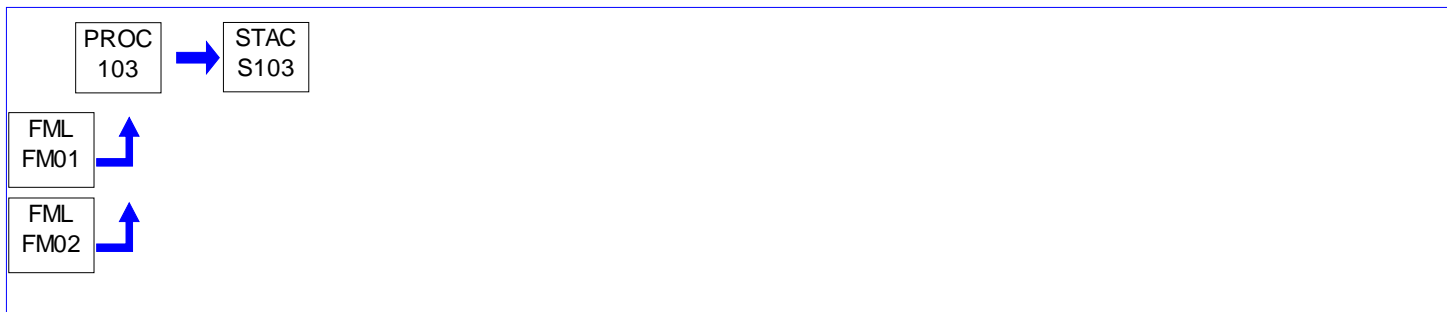
**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (A-3)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2008 Detroit Diesel Model No. T1638A36, rated at 2280 bkW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.



**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

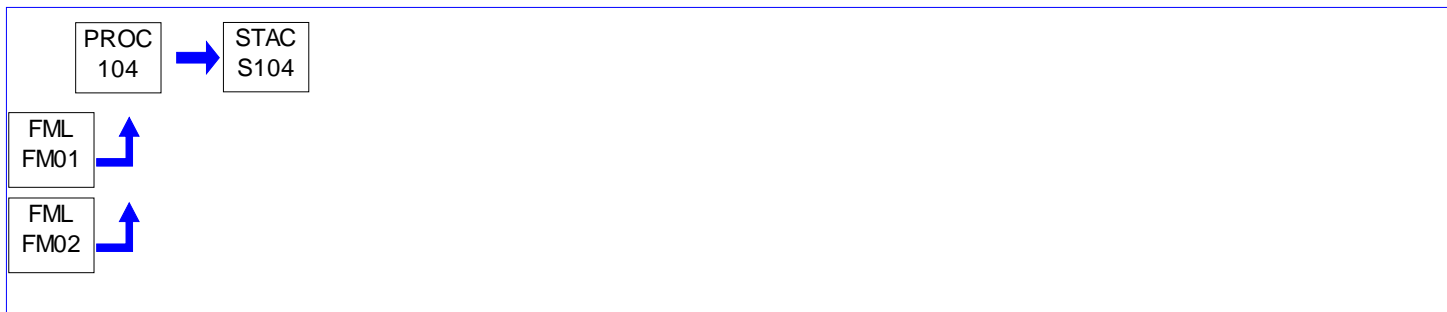
**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (A-4)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2007 Detroit Diesel Model No. 16 V 4000 G43, rated at 2280 bkW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.

**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

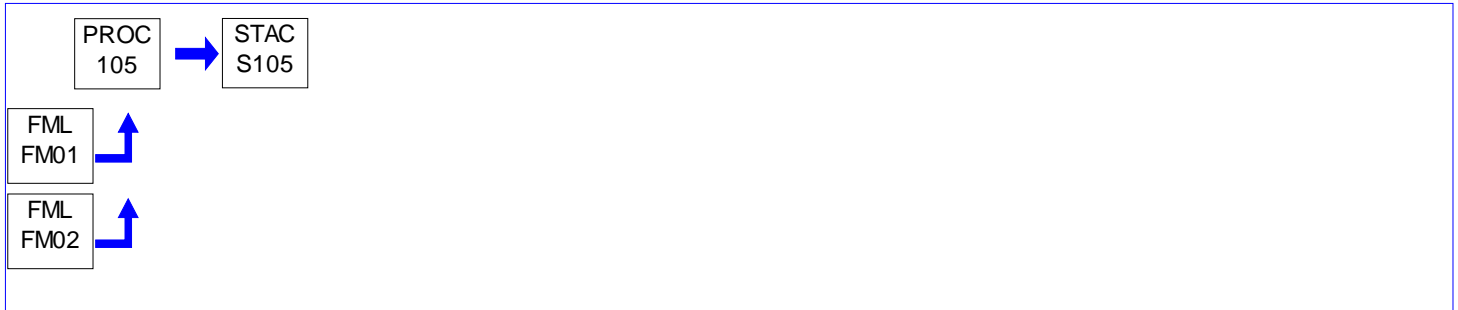
**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (B-1)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2008 Detroit Diesel Model No. T1638A36, rated at 2280 bkW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.

**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

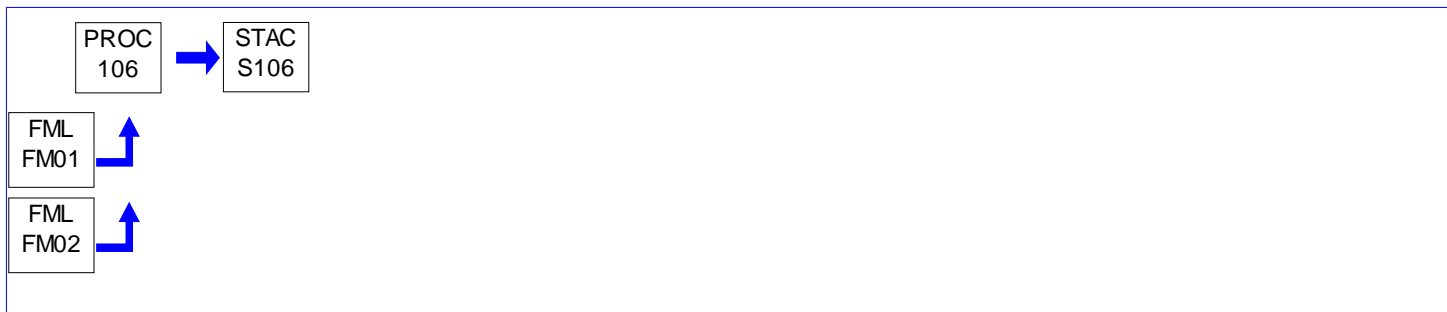
**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (B-2)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2007 Detroit Diesel Model No. 16 V 4000 G43, rated at 2280 kW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.

**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

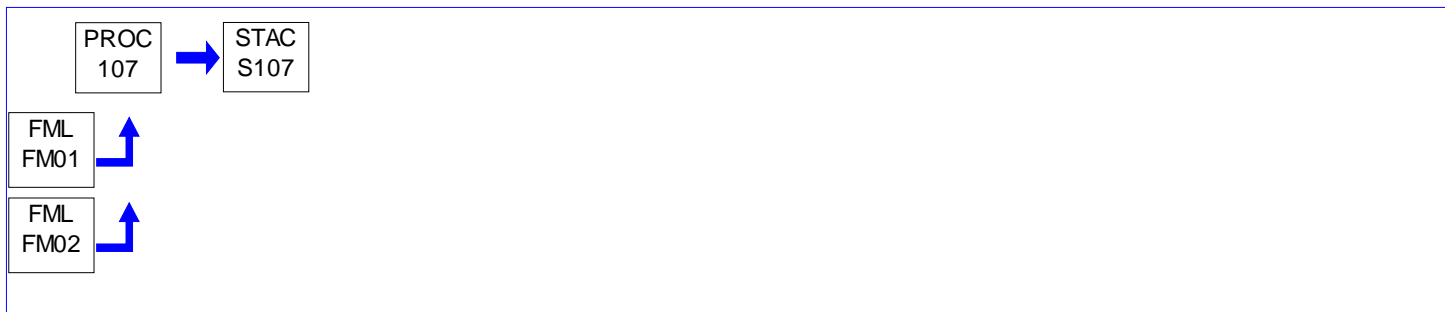
**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (B-3)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2007 Detroit Diesel Model No. 16 V 4000 G43, rated at 2280 bkW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.



**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

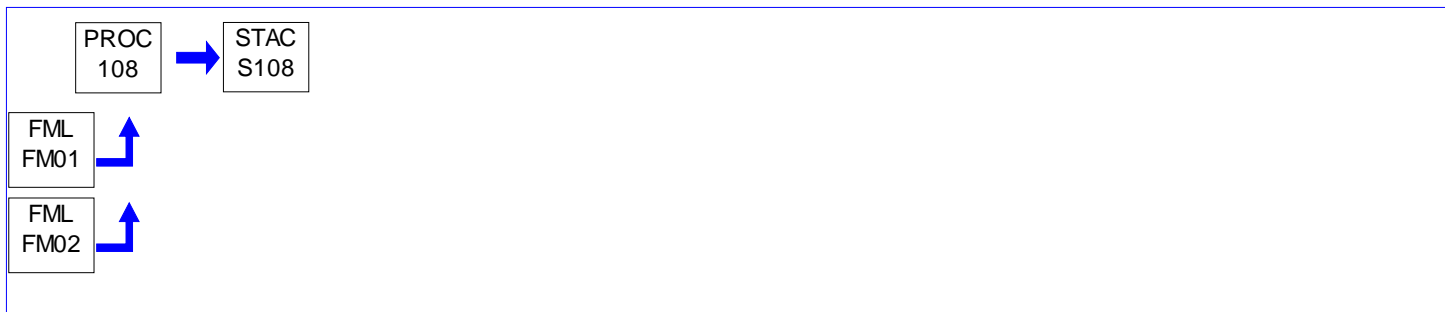
**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: 2000 KW GENERATOR ENGINE (3058 BHP) (B-4)

Source Capacity/Throughput: 20.620 MMBTU/HR

Conditions for this source occur in the following groups: 8-2000 KW ICE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source is a generator set, Model 2000-XC6DT2 manufactured by MTU Detroit Diesel.

(a) The engine shall be 16-cylinder, fired by diesel or No.2 heating oil meeting the specifications under 40 C.F.R. § 60.4207 (Section E, Condition #003). It shall be a Model Year 2007 Detroit Diesel Model No. 16 V 4000 G43, rated at 2280 bkW (3058 hp) power output and have a displacement of 4.8 liters/cylinder.

**SECTION D. Source Level Requirements**

(b) The electric generator shall be rated at 2000 ekW power output.

**SECTION E. Source Group Restrictions.**

Group Name: 8-2000 KW ICE

Group Description: eight identical 2000 kw generator engines (3058 bhp)

Sources included in this group

ID	Name
101	2000 KW GENERATOR ENGINE (3058 BHP) (A-1)
102	2000 KW GENERATOR ENGINE (3058 BHP) (A-2)
103	2000 KW GENERATOR ENGINE (3058 BHP) (A-3)
104	2000 KW GENERATOR ENGINE (3058 BHP) (A-4)
105	2000 KW GENERATOR ENGINE (3058 BHP) (B-1)
106	2000 KW GENERATOR ENGINE (3058 BHP) (B-2)
107	2000 KW GENERATOR ENGINE (3058 BHP) (B-3)
108	2000 KW GENERATOR ENGINE (3058 BHP) (B-4)

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

The permittee shall limit the emissions from each engine to the following:

(a)  
 VOC: 0.37 g/bhp-hr;  
 NOx: 5.62 g/bhp-hr;  
 CO: 1.05 g/bhp-hr;  
 PM: 0.06 g/bhp-hr.

or

(b)  
 VOC: 2.49 lb/hr;  
 NOx: 36.1 lb/hr;  
 CO: 7.07 lb/hr;  
 PM: 0.40 lb/hr.

whichever is less stringent.

(c) The permittee shall limit the emissions from all engines to the following:

Volatile Organic Compounds (VOC): 1.57 tons per year, calculated as a 12-month rolling sum  
 Nitrogen Oxides (NOx): 22.8 tons per year, calculated as a 12-month rolling sum  
 Carbon Monoxide (CO): 4.46 tons per year, calculated as a 12-month rolling sum  
 Particulate Matter (PM): 0.25 tons per year, calculated as a 12-month rolling sum

[Compliance with the emissions limitation for PM will assure compliance with 25 Pa. Code §123.13(c)(1)(i).]

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

Visible emissions from each engine shall not exceed the following:

- (a) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour and  
 (b) Equal to or greater than 30% at any time.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code § 123.41.]

**SECTION E. Source Group Restrictions.****Fuel Restriction(s).****# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

[Additional authority for this permit condition is from 25 Pa. Code § 127.441 and 40 C.F.R. § 1090.305.]

The permittee shall only use commercially available diesel fuel or No. 2 fuel oil that conforms to the following:

- (1) A minimum cetane index of 40 or maximum aromatic content of 35 volume percent.
- (2) The sulfur content shall be a maximum of 15 parts per million (ppm).

[Compliance with the fuel sulfur content condition assures compliance with 25 Pa. Code § 123.21(b)]

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

These engines may be used for emergency power generation, peak shaving, load shedding, curtailment programs, maintenance and periodic readiness testing.

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

The permittee shall limit the amount of diesel and/or No.2 fuel oil used at the facility comprising 8 engines to 187,740 gallons per year, calculated on a 12-month rolling sum basis.

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

(a) The permittee shall perform a stack test using Department-approved procedures, once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later.

Testing shall be conducted on one representative engine from Source IDs 101 through 108. The engine selected shall be one not previously tested until all engines have been tested at least once. In accordance with 25 Pa. Code § 139.11 (1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(b) At least ninety (90) 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) The stack testing for the engine shall at the minimum be for Nitrogen Oxides (NO<sub>x</sub>) and Carbon Monoxide (CO). Tests shall be conducted in accordance with the provisions of EPA Method/s 7E and 10 and/or other Department approved methodology and 25 Pa. Code Chapter 139. Tests shall also be conducted in accordance with the provisions of the current version of the DEP Source Testing Manual and the EPA Clean Air Act National Stack Testing Guidance.

- (1) Emissions rates for NO<sub>x</sub> and CO shall be given as g/bhp-hr and lb/hr.
- (2) The fuel rate in gal/hr during the testing shall be recorded.

(d) 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.

**SECTION E. Source Group Restrictions.**

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) 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.

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

The Department reserves the right to require additional stack testing or portable analyzer monitoring, based on, but not limited to, the results of the stack testing or portable analyzer monitoring.

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

Stack Testing Document Submission Procedures -

(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.

(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 II, Tier II, etc.)

(c) Eliminate shading, color ink for data emphasis, small font size, and color saturation as the scanning to create an electronic file is done in black and white. Shading and color emphasis do not scan well and make the electronic copies difficult to read.

(d) Email all electronic submissions to both the PSIMS Administrator in Central Office and the Air Quality Program Manager for the Southeast Regional Office. Email addresses are provided below.

Central Office

RA-EPstacktesting@pa.gov

Southeast Region

RA-EPSEstacktesting@pa.gov

(e) The Department limits emails to 15 MB and PSIMS has a file size limitation of 100 MB for electronic files. Submit just one electronic file (convert any Microsoft Word or Excel files to an Adobe PDF format and combine them with the report or protocol), unless the submission contains CONFIDENTIAL information.

(f) 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"

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall annually perform NO<sub>x</sub> and CO emissions monitoring before April 30th of each calendar year on three (3) engines, from Source IDs 101 through 108, using portable analyzers approved by the Department. The engines monitored shall be those that have been used the most during the 24-month period immediately preceding the date of the monitoring.

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

The permittee shall monitor the total amount of fuel used in all eight engines on a monthly and on a 12-month rolling sum basis. Each engine is equipped with an individual fuel meter.

**# 011 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) By October 31 of each year, the permittee shall calculate the difference between the actual emissions from each engine during the period from May 1 through September 30 and the allowable emissions for that period.

(b) The permittee shall calculate the allowable emissions by multiplying the cumulative hours of operation for each engine for the period by the horsepower rating of the unit and by the applicable emission rate set forth in paragraph (c).

(c) For a compression ignition stationary internal combustion engine firing diesel fuel, 2.3 grams of NO<sub>x</sub> per brake horsepower-hour is the applicable emissions rate for allowable emissions.

(d) Actual emissions shall be calculated in accordance with 25 Pa. Code § 129.204, as indicated in Section E, Condition #026.

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

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

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

The permittee shall calculate the emissions for all eight engines (Source IDs 101 through 108), on a monthly and on a 12-month rolling sum basis, of the following pollutants: VOC, NO<sub>x</sub>, CO, PM and SO<sub>x</sub>.

(1) Emissions factors developed from manufacturer's test data or stack testing shall be used for VOC, NO<sub>x</sub>, CO and PM. The most recent stack test shall be used where available.

(2) Emissions of SO<sub>x</sub> shall be determined from the fuel sulfur content and mass balance.

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

The permittee shall keep records of the fuel supplier certifications for diesel and/or No. 2 fuel oil to demonstrate compliance with the limitations indicated in Section E, Condition #003.

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

The permittee shall keep records of the following:

(a) Emissions of VOC, NO<sub>x</sub>, CO, PM and SO<sub>x</sub> as calculated for Section E, Condition #013 on a monthly and on a 12-month rolling sum basis.

(b) The amount of fuel used at the facility on a monthly basis and calculated as a 12-month rolling sum.

**SECTION E. Source Group Restrictions.**

**# 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

In accordance with 40 C.F.R. § 60.4214(a)(2)(i) and (ii), the permittee shall maintain records of

1. All notifications submitted to comply with 40 C.F.R. Part 60, Subpart III and all documentation supporting any notification
2. tune-ups, repairs, parts replacement and other maintenance performed in accordance with manufacturer's specifications.

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

The permittee shall keep records of the difference between actual and allowable NO<sub>x</sub> emissions, as determined in Section E, Conditions #011 and #026.

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

The permittee shall keep records of the number of hours each engine is operated on a monthly basis.

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

The permittee shall keep records of manufacturer and stack test data, as available, demonstrating compliance with Section E, Condition #001 for VOC, NO<sub>x</sub>, CO and PM.

**# 020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]  
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

In accordance with 40 C.F.R. § 60.4211(c) and 40 C.F.R. § 60.4214(a)(2)(iii), the permittee shall keep a record of the manufacturer certification indicating compliance to the emission standards of 40 C.F.R. § 60.4204(b).

The emission data in the manufacturer certification document "Cummins Power Generation, EPA Tier 2 Exhaust Emission Compliance Statement 2000DQKAB, 60 Hz Diesel Generator Set, epa-1099d" meets the emission standards of 40 C.F.R. § 60.4204(b) and is incorporated by reference.

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

(a) For portable analyzer monitoring conducted under this Operating Permit, the owner/operator shall record the date of the monitoring, manufacturer/model number of analyzer used and level and units of the CO, NO<sub>x</sub> and oxygen readings.

(b) The owner/operator shall forward the results to the Department upon request.

(c) The portable analyzers readings in section (a) of this Condition shall not be relied upon to demonstrate compliance with the limitations in Section E, Condition #001.

**V. REPORTING REQUIREMENTS.**

**# 022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]  
Subpart A - General Provisions  
Address.**

This IC engine is subject to 40 CFR Part 60 Subpart III of the Standards of Performance for New Stationary Sources ("NSPS"). The owner/operator shall comply with all applicable requirements of the Subpart. 40 C.F.R. § 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Radiation Division (3ED21)  
United States Environmental Protection Agency  
Region 3



**SECTION E. Source Group Restrictions.**

Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

Note: Some NSPS Subparts require electronic submission of reports using EPA's Compliance and Emissions Data Reporting Interface (CEDRI). CEDRI is accessed through EPA's Central Data Exchange (CDX)(www.epa.gov/cdx). The above mailing address is to be used in those cases in which the specific reporting form is not available in CEDRI at the time the report is due.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

In accordance with 40 C.F.R. § 60.4211 (a),

- (a) The permittee shall operate and maintain each engine according to the manufacturer's emission-related instructions;
- (b) The permittee may only change those emission-related settings which are approved by the manufacturer.

**# 024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]**  
**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**  
**How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§ 60.4204 and 60.4205 over the entire life of the engine.

**VII. ADDITIONAL REQUIREMENTS.**

**# 025 [25 Pa. Code §129.203]**  
**Stationary internal combustion engines.**

The owner or operator of a stationary internal combustion engine rated at greater than 1000 hp and located in Bucks, Chester, Delaware, Montgomery or Philadelphia County shall comply with 25 Pa. Code §§ 129.203 and 129.204.

**# 026 [25 Pa. Code §129.204]**  
**Emission accountability.**

[Additional authority for this condition is derived from 25 Pa. Code § 127.441.]

The permittee shall determine the NO<sub>x</sub> actual emissions between May 1 and September 30 of each year in accordance with one of the following methods:

- (a) The 1-year average emission rate calculated from the most recent emission limit compliance demonstration test data for nitrogen oxides, or if unavailable,
- (b) The maximum hourly allowable nitrogen oxides emission rate contained in this Operating Permit.
- (c) The permittee shall surrender to the Department one NO<sub>x</sub> allowance, as defined in 40 CFR 96.102 and 96.302 (relating to definitions), for each ton of NO<sub>x</sub> 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 NO<sub>x</sub> 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.
- (d) 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.

(e) By November 1, 2005, and by November 1 of each year thereafter, an owner or operator of a unit subject to this section shall surrender the required NO<sub>x</sub> allowances to the Department's designated NO<sub>x</sub> allowance tracking system account and

**SECTION E. Source Group Restrictions.**

provide to the Department, in writing, the following:

- (1) The serial number of each NO<sub>x</sub> allowance surrendered.
- (2) The calculations used to determine the quantity of NO<sub>x</sub> allowances required to be surrendered.
- (f) If an owner or operator fails to comply with subsection (e), the owner or operator shall by December 31 surrender three NO<sub>x</sub> allowances of the current or later year vintage for each NO<sub>x</sub> allowance that was required to be surrendered by November 1 of that year.
- (g) The surrender of NO<sub>x</sub> allowances under subsection (f) 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 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.

Note: On July 6, 2011, EPA promulgated the Cross-State Air Pollution Rule (CSAPR) to replace CAIR. The CSAPR provisions of 40 CFR Part 97, Subpart AAAAA (relating to CSAPR NO<sub>x</sub> Annual Trading Program), replaced the provisions of 40 CFR Part 96, Subpart AA (relating to CAIR NO<sub>x</sub> Annual Trading Program General Provisions), and remain in effect. On October 26, 2016, EPA promulgated the CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart EEEEE (relating to CSAPR NO<sub>x</sub> Ozone Season Group 2 Trading Program), to replace the previously-established CAIR NO<sub>x</sub> Ozone Season Trading Program and CSAPR NO<sub>x</sub> Ozone Season Group 1 Trading Program for certain states, including Pennsylvania, beginning with the 2017 ozone season. On April 30, 2021, EPA promulgated the Revised CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart GGGGG (relating to CSAPR NO<sub>x</sub> Ozone Season Group 3 Trading Program), to replace the provisions of 40 CFR Part 97, Subpart EEEEE, for certain states, including Pennsylvania, beginning with the 2021 ozone season (though DEP will accept CSAPR NO<sub>x</sub> Ozone Season Group 2 allowances of current year vintage from other states, if available). Accordingly, the permittee shall surrender CSAPR NO<sub>x</sub> Annual allowances and either CSAPR NO<sub>x</sub> Ozone Season Group 2 allowances or CSAPR NO<sub>x</sub> Ozone Season Group 3 allowances, as defined in 40 CFR §§ 97.402, 97.802, and 97.1002, respectively, instead of the CAIR NO<sub>x</sub> allowances and CAIR NO<sub>x</sub> Ozone Season allowances indicated in 25 Pa. Code § 129.204(c), as the latter are no longer available.]

**# 027 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Incorporate by reference: Table 8 to Subpart IIII of Part 60 - Applicability of General Provisions to Subpart IIII



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
101	2000 KW GENERATOR ENGINE (3058 BHP) (A-1)		
	<b>Emission Limit</b>		<b>Pollutant</b>
	1.050 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
	7.070 Lbs/Hr	if less stringent than g/bhp-hr restriction	CO
	5.620 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
	36.100 Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
	0.060 GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
	0.400 Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP
	0.370 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
	2.490 Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC
102	2000 KW GENERATOR ENGINE (3058 BHP) (A-2)		
	<b>Emission Limit</b>		<b>Pollutant</b>
	1.050 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
	7.070 Lbs/Hr	if less stringent than g/bhp-hr restriction	CO
	5.620 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
	36.100 Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
	0.060 GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
	0.400 Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP
	0.370 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
	2.490 Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC
103	2000 KW GENERATOR ENGINE (3058 BHP) (A-3)		
	<b>Emission Limit</b>		<b>Pollutant</b>
	1.050 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
	7.070 Lbs/Hr	if less stringent than g/bhp-hr restriction	CO
	5.620 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
	36.100 Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
	0.060 GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
	0.400 Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP
	0.370 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
	2.490 Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC
104	2000 KW GENERATOR ENGINE (3058 BHP) (A-4)		
	<b>Emission Limit</b>		<b>Pollutant</b>
	1.050 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
	7.070 Lbs/Hr	if less stringent than g/bhp-hr restriction	CO
	5.620 GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
	36.100 Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
	0.060 GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
	0.400 Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
0.370	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
2.490	Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC
105	2000 KW GENERATOR ENGINE (3058 BHP) (B-1)		
Emission Limit			Pollutant
1.050	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
7.070	Lbs/Hr	if less stringent than g/bhp-hr restriction	CO
5.620	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
36.100	Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
0.060	GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
0.400	Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP
0.370	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
2.490	Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC
106	2000 KW GENERATOR ENGINE (3058 BHP) (B-2)		
Emission Limit			Pollutant
1.050	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
7.070	Lbs/Hr	if less stringent than g/bhp-hr restriction	CO
5.620	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
36.100	Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
0.060	GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
0.400	Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP
0.370	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
2.490	Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC
107	2000 KW GENERATOR ENGINE (3058 BHP) (B-3)		
Emission Limit			Pollutant
1.050	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
7.070	Lbs/Hr	if less stringent than g/bhp-hr restriction	CO
5.620	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
36.100	Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
0.060	GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
0.400	Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP
0.370	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
2.490	Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC
108	2000 KW GENERATOR ENGINE (3058 BHP) (B-4)		
Emission Limit			Pollutant
1.050	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	CO
7.070	Lbs/Hr	if less stringent than g/bhp-hr restriction	CO

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
5.620	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	NOX
36.100	Lbs/Hr	if less stringent than g/bhp-hr restriction	NOX
0.060	GRAMS/HP-Hr	g/bhp-hr /particulate matter (PM)/if less stringent than lb/hr restriction	TSP
0.400	Lbs/Hr	particulate matter (PM)/if less stringent than g/bhp-hr restriction	TSP
0.370	GRAMS/HP-Hr	g/bhp-hr /if less stringent than lb/hr restriction	VOC
2.490	Lbs/Hr	if less stringent than g/bhp-hr restriction	VOC

**Site Emission Restriction Summary**

Emission Limit		Pollutant
22.800 Tons/Yr	12-month Rolling Sum	NOX
4.460 Tons/Yr	12-month Rolling Sum	CO
0.250 Tons/Yr	particulate matter (PM)12-month Rolling Sum	TSP
1.570 Tons/Yr	12-month Rolling Sum	VOC

**SECTION H. Miscellaneous.**

1. Plan Approvals 46-0267 and 46-0267A serve as the basis for the initial issuance of the Operating Permit, APS 755110 AUTH 887669.

Plan Approvals 46-0267 (APS 627247, AUTH 697810) and 46-0267A (APS 721843, AUTH 836967) were prepared under primary facility ID 23-1099050-2.

2. The conversion factor, VOC = 1.053 THC, as reported in Conversion Factors for Hydrocarbon Emission Components NR-002b EPA420P-04-001, may be used to convert between emissions expressed as Volatile Organic Compounds (VOC) and Total Hydrocarbons (THC).

3. July, 2017 APS # 819190 AUTH # 1151689

The Operating Permit is renewed. The following changes are made with the renewal. Condition numbers refer to the August, 2013 issuance of the Operating Permit.

**Cover Page**

The Responsible Official was changed to William Trifaro and the Permit Contact to Elizabeth Burdick.

**Section C**

The following conditions were revised to conform to DEP standard conditions.

#002

#008

#011

#018

#021

**Condition #007**

The formaldehyde limit was removed in accordance with DEP's re-evaluation and test data on these and similar engines in the Southeast Region.

**Condition #014**

The requirement to monitor formaldehyde emissions was removed, since the limit had been removed.

**Conditions #015, #020**

The additional authority was removed from the Condition as it is applicable only to Title V facilities.

**Additional Testing**

The DEP standard testing condition was added.

**Additional Monitoring**

A monitoring condition was added to accompany the recordkeeping condition for fuel and emissions (Condition #014).

**Section E****Condition #001**

Formaldehyde limits were removed in accordance with DEP's re-evaluation and test data on these and similar engines in the Southeast Region.

**Condition #004**

\*The citation was corrected to also include 25 Pa. Code Section 127.441, which was used to set the standards for fuel oil.

\*The Condition was clarified by adding "or commercially available No. 2 fuel oil" to part (a) of the Condition, removing part (b) and including the fuel regulation citation with the additional authority.

**Condition #006**

\*The requirement for formaldehyde testing was removed from the condition, since there is no longer a formaldehyde emission limit.

\*The Condition was revised to require testing on one engine not yet tested, rather than on three engines.

\*The condition was also updated to meet current DEP guidelines for stack testing conditions.

**SECTION H. Miscellaneous.****Condition #008**

The condition requiring PSIMS submission of stack testing submittals was removed since PSIMS Online is currently not expected to be available.

**Condition #015**

\*Formaldehyde was removed from the list of pollutants requiring emissions calculations, since there is no longer a formaldehyde limit.

\*The Condition was divided into monitoring and recordkeeping conditions.

**Conditions #018(b) and (c)**

The requirements to record when maintenance and readiness testing is conducted was removed with the restrictions on testing during the ozone season.

**Condition #019**

"and stack test data, as available", was added to the condition.

**Condition #021**

The word "test" was changed to monitoring.

**Condition #022**

The EPA address was updated.

**Condition #023**

Restrictions on maintenance and readiness testing and preventive maintenance activities during the ozone season were removed.

**Section G**

The formaldehyde limit was removed.

**4. January, 2018 APS No. 956831 AUTH No. 1209655**

The Operating Permit was amended for a change in ownership from GlaxoSmithKline LLC to Peak 10 + Via West

**5. June 2020 APS # 956831 AUTH # 1315341**

The conditions of Plan Approval 46-0267B for reactivation of an engine were incorporated. In addition the following changes were made to standard conditions per recent DEP guidance.

**Section B**

Two standard conditions were added by DEP's Central Office.

**Condition #023**

The condition requires a synthetic minor facility to submit an annual emissions report for all existing, modified and new sources. This condition was previously in Section C as Condition #020.

**Condition #024**

Annual reporting by the permittee must be sufficient for DEP to complete its emissions inventory and be in a form specified by DEP.

**Section C**

Condition numbers are from the 2018 issuance of the Operating Permit. Condition numbers in the current issuance are in [brackets], where different than in the 2018 issuance.

#003 – the regulatory reference for the fugitive emissions at the property line was included.

#006 – the regulatory reference for opacity limits was included.

[#006(c)] – the regulatory reference for exempt visible emissions was included.

#010 – \*Section A was removed from the specification of sources

\*the most current version of the source testing manual" was added to the references.

#019 – the revised condition, recommended by DEP's Central Office, pertaining to malfunction, emergency and incidents reporting is consistent Commonwealth-wide. Some requirements are different than previously, namely 1-hour reporting rather than



**SECTION H. Miscellaneous.**

immediate reporting is required for emissions posing an immediate danger. 3 business days rather than 2 are allowed for follow-up reporting.

#020 – the condition was removed since its requirements are in Section B, Condition #023.

#021 [#020] – the regulatory reference for measures to prevent fugitive emissions was included.

**Section E**

#007 [#008]

The condition was removed and replaced with another condition per guidance from the DEP's Source Testing Group concerning submission of stack testing documents.

#025 (c)

The word "note" and first sentence of the second paragraph of the condition were removed for clarity.

September 2021: APS No. 956831; Authorization No. 1365222; for an Administrative Amendment to change the permit contact name, update facility name in the permit, and update Section C Conditions in the SOOP to reflect the conditions as they currently appear in permits throughout the region.

July 2023: APS No. 956831; Authorization No. 1380937 - Synthetic Minor Operating Permit Renewal



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

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