



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: May 7, 2021

Effective Date: June 1, 2021

Expiration Date: May 31, 2026

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: 01-05044

Synthetic Minor

Federal Tax Id - Plant Code: 84-1834065-1

**Owner Information**

Name: HUNTERSTOWN POWER LLC  
Mailing Address: 1890 GRANITE STATION RD  
GETTYSBURG, PA 17325-8348

**Plant Information**

Plant: HUNTERSTOWN POWER LLC/PEAKING STATION  
Location: 01 Adams County 01929 Straban Township  
SIC Code: 4911 Trans. & Utilities - Electric Services

**Responsible Official**

Name: NEIL C MACINTOSH  
Title: PLANT MANAGER  
Phone: (908) 995 - 6922 Email: Neil.MacIntosh@genon.com

**Permit Contact Person**

Name: NEIL C MACINTOSH  
Title: PLANT MANAGER  
Phone: (908) 995 - 6922 Email: Neil.MacIntosh@genon.com

[Signature] \_\_\_\_\_  
WILLIAMR. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER



## SECTION A. Table of Contents

### Section A. Facility/Source Identification

Table of Contents  
Site Inventory List

### Section B. General State Only Requirements

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

### Section C. Site Level State Only Requirements

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

### Section D. Source Level State Only Requirements

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

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

### Section E. Source Group Restrictions

- E-I: Restrictions



## SECTION A. Table of Contents

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

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

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

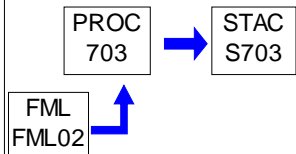
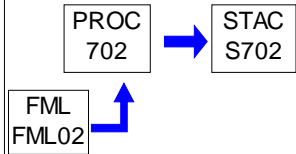
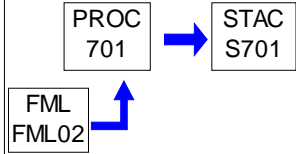
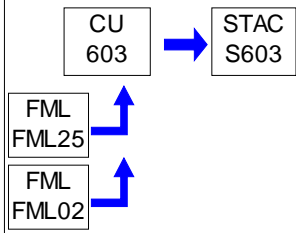
### Section G. Emission Restriction Summary

### Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
601	GE FRAME 5N TURBINE 1	326.000	MMBTU/HR	
		326.000	MCF/HR	Natural Gas
		2,200.000	Gal/HR	#2 Oil
602	GE FRAME 5N TURBINE 2	326.000	MMBTU/HR	
		326.000	MCF/HR	Natural Gas
		2,200.000	Gal/HR	#2 Oil
603	GE FRAME 5N TURBINE 3	326.000	MMBTU/HR	
		326.000	MCF/HR	Natural Gas
		2,200.000	Gal/HR	#2 Oil
701	DIESEL STARTER ENGINE 1	1.100	MMBTU/HR	
		24.800	Gal/HR	#2 Oil
702	DIESEL STARTER ENGINE 2	1.100	MMBTU/HR	
		24.800	Gal/HR	#2 Oil
703	DIESEL STARTER ENGINE 3	1.100	MMBTU/HR	
		24.800	Gal/HR	#2 Oil
FML02	NO. 2 FUEL OIL TANK			
FML25	NATURAL GAS PIPELINE			
S601	TURBINE 1 STACK			
S602	TURBINE 2 STACK			
S603	TURBINE 3 STACK			
S701	SOURCE 701 STACK			
S702	SOURCE 702 STACK			
S703	SOURCE 703 STACK			

**PERMIT MAPS**

**PERMIT MAPS**

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

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

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

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

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

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

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

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

**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 §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not allow 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 of clearing and grubbing wastes (trees, shrubs and other native vegetation which are cleared from land during or prior to the process of construction; does not include demolition wastes and dirt-laden roots).
- (g) Sources and classes of sources other than those identified in (a)-(f), above, for which the permittee has obtained a determination from the Department, in accordance with 25 Pa. Code §123.1(b), 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.

**# 002 [25 Pa. Code §123.2]****Fugitive particulate matter**

The permittee shall not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001(a)-(g), if the emissions are visible at the point the emissions pass outside the permittee's property.

**# 003 [25 Pa. Code §123.31]****Limitations**

The permittee shall not allow 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 permittee's property.

**# 004 [25 Pa. Code §123.41]****Limitations**

The permittee shall not allow 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 one hour.
- (b) Equal to or greater than 60% at any time.

**# 005 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of Section C, Condition #004, shall not apply when:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) The emission results from sources specified in Section C, Condition #001(a)-(g).

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) 100 tons per year (TPY) of nitrogen oxides (NO<sub>x</sub>)
- (b) 100 TPY of carbon monoxide (CO)
- (c) 50 TPY of volatile organic compounds (VOC)
- (d) 100 TPY of sulfur oxides (SO<sub>x</sub>)
- (e) 100 TPY of PM-10 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 10 micron body)
- (f) 100 TPY of PM-2.5 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 2.5 micron body)
- (g) 10 TPY of any individual hazardous air pollutant (HAP)
- (h) 25 TPY of aggregate HAPs

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

(a) The permittee shall not allow the open burning of material on the permittee's property in a manner such that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.
- (2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) The requirements of part (a), above, do not apply when the open burning operations result from:

- (1) 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.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

(c) This plan approval condition does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act (SWMA), contained at 35 P.S. Section 6018.610(3), or any other provision of the SWMA.

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

The Department reserves the right to require exhaust stack testing of the sources referenced in this operating permit to measure emissions for purposes including verification of operating permit condition compliance and estimation of annual air emissions.

**# 009 [25 Pa. Code §139.1]****Sampling facilities.**

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

**SECTION C. Site Level Requirements**

forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

**# 010 [25 Pa. Code §139.11]****General requirements.**

(a) As specified in 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.

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

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the fuel firing rate, power output, and other conditions which may affect emissions from the process.
- (3) The location of the sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO<sub>2</sub>, O<sub>2</sub>, and N<sub>2</sub>), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

**III. MONITORING REQUIREMENTS.****# 011 [25 Pa. Code §123.43]****Measuring techniques**

The permittee shall measure visible emissions (referenced in Section C, Conditions #004, #005, and #012, using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g., Continuous Opacity Monitor).
- (b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

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

The permittee shall, at least once per calendar year, conduct inspections around the plant periphery during daylight hours when one or more of the electric generating units (Source IDs 601, 602, 603) are operating to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants. These inspections are necessary to determine:

- (a) The presence of visible emissions as stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #011. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.
- (b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Section C,



**SECTION C. Site Level Requirements**

Condition #002.

(c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003.

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

The permittee shall maintain records of the inspections referenced in Section C, Condition #012. The records shall include, at a minimum, the following information:

- (a) The name of the company representative monitoring each inspection.
- (b) The date and time of each inspection.
- (c) The wind direction during each inspection.
- (d) A description of the visible emissions, fugitive particulate matter emissions (beyond the plant property boundaries), and malodorous air contaminants (beyond the plant property boundaries) observed, if any, and actions taken to mitigate them. If no visible emissions or fugitive particulate matter emissions or malodors are observed, then document that none were observed.

**# 014 [25 Pa. Code §135.5]****Recordkeeping**

- (a) The permittee shall calculate the monthly air emissions from the facility using AP-42 emission factors, manufacturer-supplied emission factors, mass material balance, performance (stack) test data, or other method(s) acceptable to the Department. The permittee shall maintain records of the monthly air emissions and calculations.
- (b) The permittee shall maintain records of the monthly and annual usage of each fuel consumed at the entire facility.
- (c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

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

The permittee shall report each malfunction that poses an imminent and substantial danger to the public health and safety or the environment or which it should reasonably believe may result in citizen complaints to the Department that occurs at this facility. For purposes of this operating permit condition, a malfunction is defined as 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 that may result in an increase in the emission(s) of air contaminants.

The initial notification shall be made to the Department by telephone no later than two (2) hours after the incident. A followup written notice shall be submitted to the Department within three (3) business days.

- (a) The notices shall describe the following:
  - (1) Name and location of the facility;
  - (2) Nature and cause of the malfunction;
  - (3) Time when the malfunction was first observed;
  - (4) Expected duration of excess emissions, and;
  - (5) Estimated rate of emissions.
- (b) The permittee shall notify the Department immediately when corrective measures have been accomplished.

**SECTION C. Site Level Requirements**

(c) Subsequent to the malfunction, the permittee shall submit a full report on the malfunction to the Department within 15 days, if requested.

(d) The permittee shall submit reports on the operation and maintenance of the source(s) to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, fuel usage, firing rates, hours of operation, and maintenance schedules.

(e) Notices and reports under this conditions shall be submitted to the Department at the following address:

PA DEP  
SouthCentral Regional Office  
Air Quality Program  
909 Elmerton Avenue  
Harrisburg, PA 17110

Telephone reports can be made to the Air Quality Program at 717.705.4886 during normal business hours or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>.

**# 016 [25 Pa. Code §135.3]****Reporting**

The annual air emissions reporting requirement of Section B, Condition #23 Shall include the following:

- (a) The monthly air emissions and calculations referenced in Section C, Condition #014(a), shall be included in the annual air emissions report.
- (b) The monthly and annual fuel usage referenced in Section C, Condition #014(b), shall be included in the annual air emissions report.

**VI. WORK PRACTICE REQUIREMENTS.****# 017 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)-(g). These actions shall include, but not be limited to, the following:

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

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

The permittee shall operate and maintain all sources and any air cleaning devices identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating and air pollution control practices that minimize air emissions.



## **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.

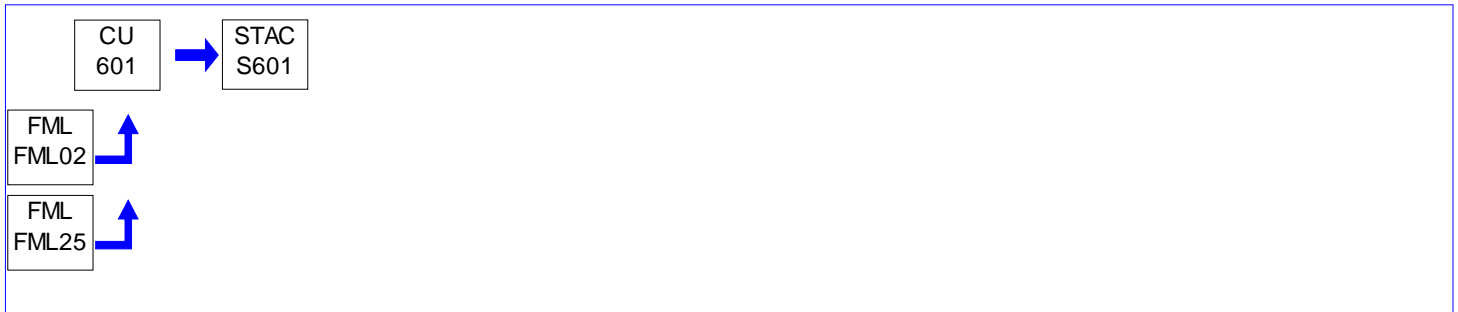
**SECTION D. Source Level Requirements**

Source ID: 601

Source Name: GE FRAME 5N TURBINE 1

Source Capacity/Throughput:	326.000	MMBTU/HR	
	326.000	MCF/HR	Natural Gas
	2,200.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: 001

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

Source ID: 602

Source Name: GE FRAME 5N TURBINE 2

Source Capacity/Throughput:	326.000	MMBTU/HR	
	326.000	MCF/HR	Natural Gas
	2,200.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: 001



**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

Source ID: 603

Source Name: GE FRAME 5N TURBINE 3

Source Capacity/Throughput:	326.000	MMBTU/HR	
	326.000	MCF/HR	Natural Gas
	2,200.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: 001



**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



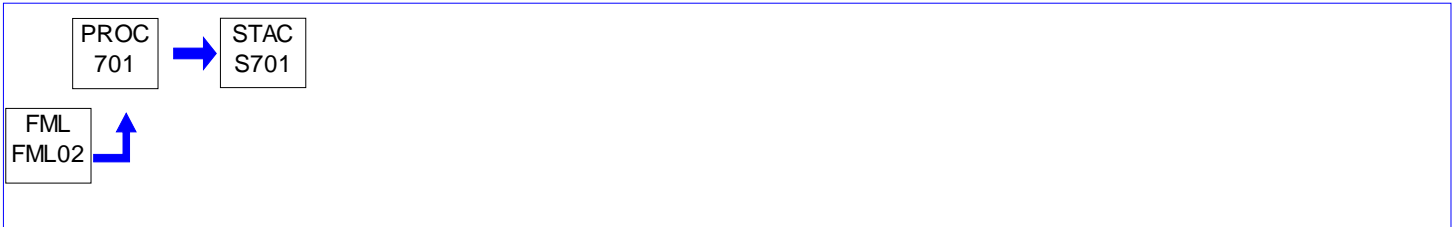
**SECTION D. Source Level Requirements**

Source ID: 701

Source Name: DIESEL STARTER ENGINE 1

Source Capacity/Throughput: 1.100 MMBTU/HR  
24.800 Gal/HR #2 Oil

Conditions for this source occur in the following groups: 002  
003



**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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





**SECTION D. Source Level Requirements**

Source ID: 703

Source Name: DIESEL STARTER ENGINE 3

Source Capacity/Throughput: 1.100 MMBTU/HR

24.800 Gal/HR #2 Oil

Conditions for this source occur in the following groups: 002  
003**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: 001

Group Description: SIMPLE CYCLE COMBUSTION TURBINES

Sources included in this group

ID	Name
601	GE FRAME 5N TURBINE 1
602	GE FRAME 5N TURBINE 2
603	GE FRAME 5N TURBINE 3

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

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from each Group 001 combustion turbine in a manner that the concentration of particulate matter in the effluent gas exceeds the rate determined by the following formula:

$A = 6000E^{-1}$ , where:

A = Allowable PM emissions in grains per dry standard cubic foot (gr/dscf), and

E = Effluent gas volume in dry standard cubic feet per minute (dscfm), when E is equal to or greater than 150,000 but less than 300,000, and

-1 = Exponent of E

or

0.02 gr/dscf, when E is greater than 300,000 dscfm.

**# 002 [25 Pa. Code §123.21]****General**

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides from each 001 combustion turbine in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The sulfur content of the No. 2 fuel oil fired by each Group 001 combustion turbine shall not exceed 0.5% (by weight).

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

The permittee shall operate each Group 001 combustion turbine using either natural gas or No. 2 fuel oil only.

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

The permittee shall limit the total combined annual fuel input of Group 001 turbines to either 320,000 mmBtu/yr #2 fuel oil, or 610,000 mmBtu/yr natural gas. A combination of natural gas and #2 fuel oil may be used so long as the facility wide 100 tpy NO<sub>x</sub> emission limit contained in Section C Condition 006 is not exceeded, as calculated by the method described in Condition 006 of Group 001.

**II. TESTING REQUIREMENTS.**

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

**SECTION 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).

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

(a) The permittee shall calculate the monthly NOx emissions (tons) from each Group 001 combustion turbine as follows, unless a different NOx emission factor(s) is approved, in writing, by the Department:

$$\{([\text{mmBTU of natural gas heat input}] * 0.32 \text{ lb NOx/mmBTU}) + ([\text{mmBTU of No. 2 fuel oil heat input}] * 0.61 \text{ lb NOx/mmBTU})\} / 2000$$

The permittee shall maintain records of each fuel's monthly heat input, as well as the monthly NOx emissions, including all relevant supporting calculations.

(b) The permittee shall calculate and maintain records of the cumulative NOx emissions from the Group 001 combustion turbines for each consecutive 12-month period in order to demonstrate compliance with Condition #006 of Section C.

(c) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

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

(a) The permittee shall record hours of operation and type of fuel combusted for each Group 001 combustion turbine on a daily basis.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

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

(a) The permittee shall maintain records of the fuel supplier's certification or laboratory analysis for each No. 2 fuel oil delivery received in order to demonstrate compliance with Condition #004, above. The fuel supplier's certification or laboratory analysis shall include, at a minimum, the weight percent sulfur.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: 002

Group Description: INTERNAL COMBUSTION ENGINES

Sources included in this group

ID	Name
701	DIESEL STARTER ENGINE 1
702	DIESEL STARTER ENGINE 2
703	DIESEL STARTER ENGINE 3

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from any Group 002 engine in a manner that the concentration of PM in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides from any Group 002 engine in a manner that the concentration of the sulfur oxides (expressed as SO<sub>2</sub>) in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall operate each Group 002 engine using diesel/No. 2 fuel oil only.

**Operation Hours Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the total operating time of each Group 002 engine to less than 100 hours during any consecutive 12-month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

- (a) The permittee shall maintain records of each Group 002 engine's monthly hours of operation.
- (b) The permittee shall maintain records of each Group 002 engine's cumulative hours of operation for each consecutive 12-month period. This is necessary to demonstrate compliance with Condition #004, above.
- (c) The permittee shall maintain records of the fuel supplier's certification or laboratory analysis for each diesel/No. 2 fuel oil delivery received.
- (d) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the

**SECTION E. Source Group Restrictions.**

Department upon its request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: 003

Group Description: BLACK START ENGINES SUBJECT TO MACT SUBPART ZZZZ

Sources included in this group

ID	Name
701	DIESEL STARTER ENGINE 1
702	DIESEL STARTER ENGINE 2
703	DIESEL STARTER ENGINE 3

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stati**

Compliance with the numerical emission limitations established in 40 CFR Part 63, Subpart ZZZZ, is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in 40 CFR §63.6620 and Table 4 to 40 CFR Part 63, Subpart ZZZZ. [NOTE: THERE ARE NO APPLICABLE 40 CFR Part 63, Subpart ZZZZ, NUMERICAL EMISSION LIMITATIONS]

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to 40 CFR Part 63, Subpart ZZZZ, and the operating limitations in Table 2b to 40 CFR Part 63, Subpart ZZZZ, that apply to you. [NOTE: THE APPLICABLE TABLE 2d REQUIREMENTS ARE DESCRIBED BELOW; THERE ARE NO APPLICABLE TABLE 2b REQUIREMENTS]

(b) If you own or operate an existing stationary non-emergency CI RICE with a site rating of more than 300 HP located at an area source of HAP that meets either 40 CFR §63.6603(b)(1) or (2), below, you do not have to meet the numerical CO emission limitations specified in Table 2d of 40 CFR Part 63, Subpart ZZZZ. Existing stationary non-emergency CI RICE with a site rating of more than 300 HP located at an area source of HAP that meet either 40 CFR §63.6603(b)(1) or (2), below, must meet the management practices that are shown for stationary non-emergency CI RICE with a site rating of less than or equal to 300 HP in Table 2d of 40 CFR Part 63, Subpart ZZZZ.

(1) [N/A - THE FACILITY IS NOT LOCATED IN ALASKA]

(2) The stationary RICE is located at an area source that meets 40 CFR §63.6603(b)(2)(i), (ii), and (iii), below.

(i) [N/A - THE FACILITY IS NOT LOCATED IN ALASKA]

(ii) [N/A - THE POWER GENERATED BY THE STATIONARY RICEs IS NOT USED FOR RESIDENTIAL PURPOSES]

(iii) [N/A - THE FACILITY GENERATING CAPACITY IS GREATER THAN OR EQUAL TO 12 MW AND THE STATIONARY RICEs ARE NOT EXCLUSIVELY USED FOR BACKUP POWER FOR RENEWABLE ENERGY]

[NOTE: 40 CFR §63.6603(b), ABOVE, IS NOT RELEVANT SINCE THE STATIONARY RICEs DO NOT MEET EITHER 40 CFR §63.6603(b)(1) OR (2), ABOVE]

(c) [N/A - THE STATIONARY RICEs ARE NOT LOCATED ON AN OFFSHORE VESSEL]

(d) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO AN ENFORCEABLE STATE OR LOCAL STANDARD REQUIRING THEM TO BE REPLACED NO LATER THAN 6/01/18]

(e) [N/A - THE STATIONARY RICEs ARE NOT CERTIFIED TO THE TIER 3 EMISSION STANDARDS IN TABLE 1 OF 40 CFR §89.112 AND ARE NOT SUBJECT TO ANY EMISSION LIMITATIONS]

(f) [N/A - THE STATIONARY RICEs ARE NOT SI STATIONARY RICEs AND ARE NOT REMOTE STATIONARY RICEs]

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30,

**SECTION E. Source Group Restrictions.**

2013]

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Table 2d to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions)

As stated in 40 CFR §§63.6603 and 63.6640, you must comply with the following requirements for existing black start stationary CI RICE located at area sources of HAP emissions, except during periods of startup:

- (4)(a) Change oil and filter every 500 hours of operation or annually, whichever comes first\*;
- (4)(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- (4)(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

During periods of startup you must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

\* Sources have the option to utilize an oil analysis program as described in 40 CFR §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of 40 CFR Part 63, Subpart ZZZZ.

[78 FR 6709, Jan. 30, 2013]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**

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

**What records must I keep?**

(a) If you must comply with the emission and operating limitations, you must keep the records described in 40 §63.6655(a)(1) through (a)(5), (b)(1) through (b)(3) and (c), below.

(1) [N/A - THERE ARE NO APPLICABLE NOTIFICATIONS OR REPORTS]

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO A PERFORMANCE TEST REQUIREMENT OR A PERFORMANCE EVALUATION REQUIREMENT AS REQUIRED IN 40 CFR §63.10(b)(2)(viii)]

(4) [N/A - THE STATIONARY RICEs DO NOT EMPLOY ANY AIR POLLUTION CONTROL OR MONITORING EQUIPMENT]

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its

**SECTION E. Source Group Restrictions.**

normal or usual manner of operation.

(b) [N/A - THE STATIONARY RICEs DO NOT EMPLOY CEMS OR CPMS]

(c) [N/A - THE STATIONARY RICEs ARE EXISTING STATIONARY RICES AND DO NOT FIRE LANDFILL GAS OR DIGESTER GAS]

(d) You must keep the records required in Table 6 of 40 CFR Part 63, Subpart ZZZZ, to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device according to your own maintenance plan if you own or operate any of the following stationary RICE:

(1) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING GREATER THAN OR EQUAL TO 100 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A NON-EMERGENCY STATIONARY RICE]

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to 40 CFR Part 63, Subpart ZZZZ.

(f) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A NON-EMERGENCY STATIONARY RICE]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

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

**In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1).

(b) As specified in 40 CFR §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR §63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

**V. REPORTING REQUIREMENTS.**

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]**

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

**What notifications must I submit and when?**

(a) You must submit all of the notifications in 40 CFR §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following:

(1) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) An existing stationary RICE located at an area source of HAP emissions. [SEE 40 CFR §63.6645(a)(5), BELOW]

(3) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(4) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND THE FACILITY IS AN



**SECTION E. Source Group Restrictions.**

## AREA SOURCE OF HAP EMISSIONS]

(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards [NOTE: THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND ARE NOT SUBJECT TO ANY NUMERICAL EMISSION STANDARDS; THEREFORE, 40 CFR §63.6645(a) IS NOT APPLICABLE].

(b) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(c) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(d) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(e) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(f) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO 40 CFR §63.6590(b)]

(g) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO A PERFORMANCE TEST REQUIREMENT]

(h) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO A PERFORMANCE TEST REQUIREMENT OR ANY INITIAL COMPLIANCE DEMONSTRATION AS SPECIFIED IN TABLES 4 OR 5 TO 40 CFR PART 63, SUBPART ZZZZ]

(i) [N/A - THE STATIONARY RICEs ARE EACH NOT SUBJECT TO AN ENFORCEABLE STATE OR LOCAL STANDARD REQUIRING ENGINE REPLACEMENT]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov. 19, 2020]

**VI. WORK PRACTICE REQUIREMENTS.****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR Part 63, Subpart ZZZZ, that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by 40 CFR Part 63, Subpart ZZZZ, have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

(a) [N/A - THE STATIONARY RICEs DO NOT EMPLOY CEMS]

(b) [N/A - THE STATIONARY RICEs ARE NOT REQUIRED TO EMPLOY A CPMS]

**SECTION E. Source Group Restrictions.**

- (c) [N/A - THE STATIONARY RICEs ARE EXISTING STATIONARY RICES AND DO NOT FIRE LANDFILL GAS OR DIGESTER GAS]
- (d) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING NON-EMERGENCY STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]
- (e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions:
- (1) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING OF GREATER THAN OR EQUAL TO 100 HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]
  - (2) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]
  - (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;
  - (4) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE AND EACH HAVE A SITE RATING GREATER THAN 300 HP]
  - (5) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE]
  - (6) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE AND DO NOT FIRE LANDFILL GAS OR DIGESTER GAS]
  - (7) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE]
  - (8) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE]
  - (9) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND EACH OPERATE GREATER THAN 24 HOURS PER CALENDAR YEAR]
  - (10) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND EACH OPERATE GREATER THAN 24 HOURS PER CALENDAR YEAR]
- (f) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A NON-EMERGENCY STATIONARY RICE]
- (g) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A BLACK START STATIONARY RICE]
- (h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR Part 63, Subpart ZZZZ, apply. [NOTE: THE STATIONARY RICEs ARE SUBJECT TO TABLE 2d TO 40 CFR PART 63, SUBPART ZZZZ]
- (i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to 40 CFR Part 63, Subpart ZZZZ, or in items 1 or 4 of Table 2d to 40 CFR Part 63, Subpart ZZZZ, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to 40 CFR Part 63, Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 40 CFR Part 63, Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any

**SECTION E. Source Group Restrictions.**

of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) [N/A - THE STATIONARY RICES ARE EACH DEFINED AS A CI RICE]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to 40 CFR Part 63, Subpart ZZZZ, that apply to you according to methods specified in Table 6 to 40 CFR Part 63, Subpart ZZZZ. [THE APPLICABLE TABLE 6 REQUIREMENTS ARE DESCRIBED BELOW]

(b) [N/A - THE STATIONARY RICES ARE NOT SUBJECT TO ANY EMISSION LIMITATION OR OPERATING LIMITATION IN TABLES 1a, 1b, 2a, 2b, 2c, OR 2d TO 40 CFR PART 63, SUBPART ZZZZ, THAT REQUIRE DEVIATION REPORTING ACCORDING TO THE REQUIREMENTS IN 40 CFR §63.6650]

(c) [N/A - THE STATIONARY RICES EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP]

(d) [N/A - THE STATIONARY RICES ARE NOT SUBJECT TO ANY EMISSION LIMITATION OR OPERATING LIMITATION IN TABLES 1a, 1b, 2a, 2b, 2c, OR 2d TO 40 CFR PART 63, SUBPART ZZZZ, THAT REQUIRE DEVIATION REPORTING ACCORDING TO THE REQUIREMENTS IN 40 CFR §63.6650]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to 40 CFR Part 63, Subpart ZZZZ, that apply to you.

(f) [N/A - THE STATIONARY RICES ARE NON-EMERGENCY STATIONARY RICES]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

Table 6 to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Continuous Compliance With Emission Limitations, and Other Requirements)

As stated in 40 CFR §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each existing black start stationary RICE located at an area source of HAP complying with the work or management practices, you must demonstrate continuous compliance by:

(9)(a)(i) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(9)(a)(ii) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

**SECTION E. Source Group Restrictions.**

[78 FR 6715, Jan. 30, 2013]

**VII. ADDITIONAL REQUIREMENTS.****# 008 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

In the event that 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT Subpart ZZZZ) is revised, the permittee shall comply with the revised version of MACT Subpart ZZZZ, and shall not be required to comply with any provisions in this operating permit designated as having MACT Subpart ZZZZ as their authority, to the extent that such operating permit provisions would be inconsistent with the applicable provisions of the revised MACT Subpart ZZZZ.

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]****Subpart A--General Provisions****Applicability.**

The Group 003 engines are subject to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, record keeping, and reporting requirements contained at 40 CFR §§63.6580 through 63.6675, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director  
Air Protection Division  
U.S. EPA, Region III (3AP00)  
1650 Arch Street  
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager  
PA Department of Environmental Protection  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT Subpart ZZZZ) establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. MACT Subpart ZZZZ also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

You are subject to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into

**SECTION E. Source Group Restrictions.**

mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR §1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site. [NOTE: THE FACILITY IS CURRENTLY NOT A MAJOR SOURCE OF HAP EMISSIONS]

(c) An area source of HAP emissions is a source that is not a major source. [NOTE: THE FACILITY IS CURRENTLY AN AREA SOURCE OF HAP EMISSIONS]

(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable. [NOTE: THIS IS NOT A TITLE V FACILITY]

(e) If you are an owner or operator of a stationary RICE used for national security purposes, you may be eligible to request an exemption from the requirements of MACT Subpart ZZZZ as described in 40 CFR Part 1068, Subpart C.

(f) [N/A - THE RICEs ARE NOT EMERGENCY RICEs; THEY ARE BLACK START RICEs]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

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

**What parts of my plant does this subpart cover?**

40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT Subpart ZZZZ) applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) [N/A - THE RICEs EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(ii) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE]

(3) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE]

(b) Stationary RICE subject to limited requirements.

(1) An affected source which meets either of the criteria in 40 CFR §63.6590(b)(1)(i) through (ii), below, does not have to meet the requirements of MACT Subpart ZZZZ and of 40 CFR Part 63, Subpart A (General Provisions) except for the initial notification requirements of 40 CFR §63.6645(f).

**SECTION E. Source Group Restrictions.**

(i) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH ARE NOT AN EMERGENCY STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(ii) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH ARE NOT A LIMITED USE STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; EACH DO NOT COMBUST ANY LANDFILL OR DIGESTER GAS; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(3) The following stationary RICE do not have to meet the requirements of MACT Subpart ZZZZ and of 40 CFR Part 63, Subpart A (General Provisions), including initial notification requirements:

(i) [N/A - THE RICEs EACH ARE NOT A SPARK IGNITION RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(ii) [N/A - THE RICEs EACH ARE NOT A SPARK IGNITION RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(iii) [N/A - THE STATIONARY RICEs ARE EACH NOT AN EMERGENCY STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(iv) [N/A - THE STATIONARY RICEs ARE EACH NOT A LIMITED USE STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(v) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; EACH DO NOT COMBUST ANY LANDFILL OR DIGESTER GAS; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(c) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND ARE NOT SUBJECT TO EITHER 40 CFR PART 60, SUBPART IIII, OR 40 CFR PART 60, SUBPART JJJJ]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**

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

**When do I have to comply with this subpart?**

(a) Affected sources.

(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013. [NOTE: THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY CI RICE LOCATED AT AN AREA SOURCE OF HAP EMISSIONS; THEREFORE, THE APPLICABLE COMPLIANCE DATE IS 5/03/13]

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

**SECTION E. Source Group Restrictions.**

(3) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH HAVE A SITE RATING OF LESS THAN OR EQUAL TO 500 BRAKE HP; EACH RICE STARTED-UP ON OR BEFORE 8/16/04; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(4) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(5) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH RICE STARTED-UP ON OR BEFORE 1/18/08; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(6) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE]

(7) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND EACH RICE STARTED-UP ON OR BEFORE 1/18/08]

(b) Area sources that become major sources. If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in 40 CFR §63.6595(b)(1) and (2), below, apply to you.

(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with 40 CFR Part 63, Subpart ZZZZ, upon startup of your affected source.

(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of 40 CFR Part 63, Subpart ZZZZ, that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

(c) If you own or operate an affected source, you must meet the applicable notification requirements in 40 CFR §63.6645 and in 40 CFR Part 63, Subpart A (General Provisions).

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**

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

**What parts of the General Provisions apply to me?**

Table 8 to 40 CFR Part 63, Subpart ZZZZ, shows which parts of the General Provisions in 40 CFR §§ 63.1 through 63.15 apply to you.

[75 FR 9678, Mar. 3, 2010]

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**

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

**What definitions apply to this subpart?**

Terms used in 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, as well as Section E, Group SG10, are defined in the Clean Air Act; in 40 CFR §63.2 (General Provisions); and in 40 CFR §63.6675.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3607, Jan. 18, 2008; 75 FR 9679, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 76 FR 12867, Mar. 9, 2011; 78 FR 6706, Jan. 30, 2013]



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.





**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

This permit supersedes TVOP #01-05042.

NOTE: The capacities/throughputs listed in Section A (Site Inventory), Section D (Source Level Requirements) and Section H (Miscellaneous [below]) are for informational use only and should not be used as enforceable limitations.

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This operating permit addresses the simple cycle turbine electric generating facility at the Hunterstown Peaking Station located at 1731 Hunterstown Road in Straban Township, Adams County. The Hunterstown Peaking Station includes the following significant equipment:

- (a) Three natural gas or No. 2 fuel oil-fired simple cycle combustion turbines (GE Frame 5N) with throughputs of 326 mmBTU/hr when firing natural gas and 305.0 mmBTU/hr when firing No. 2 fuel oil. They each have a maximum power output capacity of 20 MW. These are identified as Source IDs 601, 602 and 603. They were previously the subject of Operating Permit No. 01-05005.
- (b) Three diesel fired starter engines for the GE Frame turbines. These are identified as Source IDs 701, 702 and 703. They each have a maximum rated capacity of 460 bhp with a maximum power output capacity of 343 kW
- (c) One 400,000 gallon No. 2 fuel oil tank.



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

