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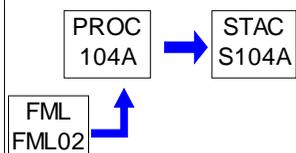
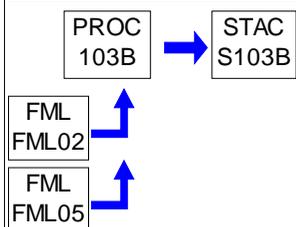
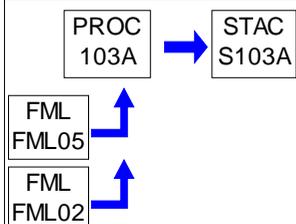
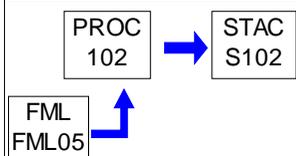
- F-I: Restrictions
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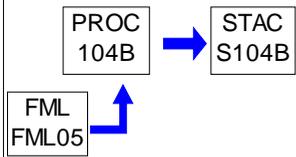
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
102	EMERGENCY GENERATORS (RACT)	N/A	Natural Gas
103A	EMERGENCY GENERATORS (CATEGORY 4 EXEMPTION)	N/A	Natural Gas
		N/A	#2 Oil
103B	EMERGENCY GENERATORS (CATEGORY 6 EXEMPTION)	N/A	#2 Oil
		N/A	Natural Gas
104A	EMERGENCY GENERATORS (SUBPART IIII NSPS)	N/A	#2 Oil
104B	EMERGENCY GENERATORS (SUBPART JJJJ NSPS)	N/A	Natural Gas
FML02	#2 F.O.TANKS		
FML05	NATURAL GAS PIPELINE		
S102	EMERGENCY GENERATORS STACKS		
S103A	EMERGENCY GENERATORS STACKS		
S103B	EMERGENCY GENERATORS STACKS		
S104A	EMERGENCY GENERATORS STACKS		
S104B	EMERGENCY GENERATOR STACKS		

**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 § 127.11a]****Reactivation of Sources**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (i) the emissions are of minor significance with respect to causing air pollution; and
  - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions), if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

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

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §123.42]****Exceptions**

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

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

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

The permittee shall limit total facility-wide nitrogen oxides (NO<sub>x</sub>) emissions to less than 25 tons per year, as a twelve (12) month rolling sum.

[Facility-wide emissions include emissions from the sources listed in Section A of this facility-wide operating permit, as well as miscellaneous sources exempt from plan approval requirements which are listed in Section H of this facility-wide operating permit. Facility-wide emissions do not include emissions from activities listed as Trivial Activities on Exemption Document No. 275-2101-003.]

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

No person may permit the open burning of material in the Southeast Air Basin, except where the open burning operations result from:

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

**Throughput Restriction(s).****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall limit the facility-wide total natural gas usage to 308.84 million cubic feet (MMcf) per year, as a twelve (12) month rolling sum.
- (b) The permittee shall limit the facility-wide total diesel fuel oil usage to 22,030 gallons per year, as a twelve (12) month rolling sum.
- (c) The permittee shall limit the facility-wide total No. 2 fuel oil usage to 18,000 gallons per year, as a twelve (12) month rolling sum.

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

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

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

Visible emissions may be measured using either of the following:

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

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

The permittee shall calculate on a monthly basis, the monthly and 12-month rolling sums of the total facility-wide nitrogen oxide (NOx) emissions.

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

The permittee shall calculate on a monthly basis, the monthly and 12-month rolling sums of the total facility-wide usage of natural gas, No. 2 fuel oil, and diesel fuel oil consumed by all significant sources and miscellaneous sources.

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) Odors, which may be objectionable (as per 25 Pa. Code §123.31).
  - (2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
  - (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:
  - (1) Be investigated;
  - (2) Be reported to the facility management, or individual(s) designated by the permittee;
  - (3) Have appropriate corrective action taken (for emissions that originate on-site); and
  - (4) Be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the total usage of natural gas, No. 2 fuel oil, and diesel fuel oil consumed by significant and miscellaneous sources on a monthly basis and a 12-month rolling basis.

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

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

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

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

The permittee shall maintain records of the total facility-wide NOx emissions on a monthly and 12-month rolling basis.

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

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

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

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

The permittee shall maintain listings of all emergency generators, boilers, furnaces, space heaters and water heaters, on site, which must be updated whenever there is a change in the source inventory.

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

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

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

**SECTION C. Site Level Requirements**

68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

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

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

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

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

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

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

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

(c) The report shall describe the following:

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

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

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

**SECTION C. Site Level Requirements**

requirements.

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 022 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

(b) Application of asphalt, water, or 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.

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

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

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

The permittee shall immediately, upon discovery, implement measures which may include the application for the installation of air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

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

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

**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**

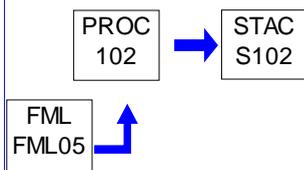
Source ID: 102

Source Name: EMERGENCY GENERATORS (RACT)

Source Capacity/Throughput:

N/A

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

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

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

[The method of compliance with this condition is the use of natural gas only in each engine.]

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas in the emergency generators included as Source ID 102.

**Operation Hours Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93(c)(5).]

The permittee shall operate each of the emergency generators included in Source ID 102 less than 500 hours in a consecutive 12-month rolling 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.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the hours of operation for the emergency generators included in Source ID 102 on a monthly basis and as a twelve (12) month rolling sum.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the NOx emissions from the emergency generators included in Source ID 102 on a monthly basis and as a twelve (12) month rolling sum.

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

(a) The permittee shall maintain records of the hours of operation of each emergency generator included in Source ID 102 on a monthly basis and as a twelve (12) month rolling sum.

(b) For each emergency generator, the permittee must specify the category of operation, such as "emergency," "nonemergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93(c)(5).]

(a) The permittee shall operate and maintain the emergency generators included in Source ID 102 in accordance with manufacturers' specifications and good air pollution control practices.

(b) The permittee shall ensure that the emergency generator engines meet the definition of institutional emergency stationary RICE (reciprocating internal combustion engines) in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR §63.6640(f).

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

The following emergency generators powered by natural gas engines are included in Source ID 102:

12.5 kW Onan 12.5/RJC installed in 1995, located at Recitation Hall

7 kW Onan 7/SJB18R31 installed in 1995, located in Ruby Jones Hall

80 kW Kohler/80R282 installed in 1995, located in Sykes Student Center.

**SECTION D. Source Level Requirements**

Source ID: 103A

Source Name: EMERGENCY GENERATORS (CATEGORY 4 EXEMPTION)

Source Capacity/Throughput:

N/A

Natural Gas

N/A

#2 Oil

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

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the hours of operation for the emergency generators (Source ID: 103A) on a monthly basis and as a 12-month rolling sum, when operating.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the NO<sub>x</sub> emissions from the emergency generators (Source ID: 103A) monthly, and as a 12-month rolling sum, when operating.

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall maintain records of the hours of operation the emergency generators (Source ID: 103A), on a monthly basis and as a 12-month rolling sum.

(b) For each emergency generator, the permittee must specify the category of operation, such as "emergency," "non-emergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the NO<sub>x</sub> emissions from the emergency generators (Source ID: 103A) on a monthly basis and as a 12-month rolling sum.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

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

(a) The permittee shall ensure that the emergency generators (Source ID: 103A) are operated only to provide electrical power or mechanical work during an emergency situation, such as producing power for critical networks or equipment or to supply power to portions of the facility when electric power from the local utility is interrupted, or used to pump water in the case of fire or flood.

(b) The permittee shall ensure that the emergency generator engines meet the definition of institutional emergency stationary RICE (reciprocating internal combustion engines) in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR §63.6640(f).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.14(a)(8).]

The following emergency generators (Source ID: 103A) were exempted from plan approval construction and installation requirement as sources in the following classification: "(4): Internal combustion engines rated at less than 100 brake horsepower."

60 kW Diesel Onan/60 DGCB, installed in 1999 located in Philips Hall  
 30 kW Natural Gas Kohler/30RZ82, installed in 1997, located in Hollinger Field House  
 30 kW Natural Gas Kohler/30RZ82, installed in 1997, located in Killinger Hall  
 30 kW Natural Gas Kohler/30REZG, installed in 2010, located in Sturtzebecker HSC  
 55 kW Natural Gas Kohler/50RZ282, installed in 1997, located at 220 E. Rosedale  
 35 kW Natural Gas Kohler/35RZ81, installed in 2001, located at the Graduate Business Center  
 30 kW Natural Gas Onan 35EK, installed in 1998, located in the Library II.

**SECTION D. Source Level Requirements**

Source ID: 103B

Source Name: EMERGENCY GENERATORS (CATEGORY 6 EXEMPTION)

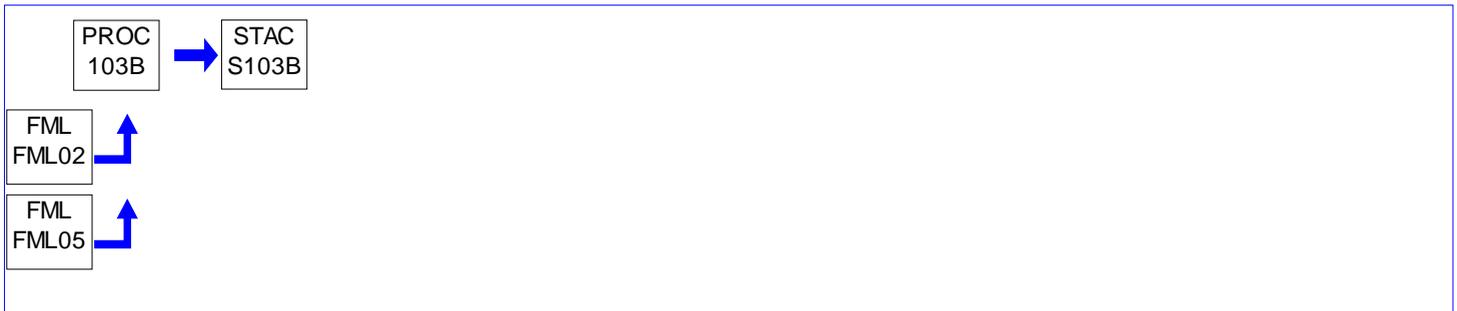
Source Capacity/Throughput:

N/A

#2 Oil

N/A

Natural Gas

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

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the aggregate NO<sub>x</sub> emissions from all exempt engines included in Source ID 103B, 104A, and 104B to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the hours of operation for each emergency generator included in Source ID 103B on a monthly basis and as a twelve (12) month rolling sum, when operating.

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall maintain records of the hours of operation for each emergency generator included in Source ID 103B on a monthly basis and as a twelve (12) month rolling sum.

(b) For each emergency generator, the permittee must specify the category of operation, such as "emergency", "non-emergency" and "maintenance and testing" and the amount of time the unit was used for each category or operation.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain records of the aggregate NO<sub>x</sub> emissions from all exempt engines included in Source ID 103B, 104A, and 104B in pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NO<sub>x</sub> emission limits applicable to this source.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

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

(a) The permittee shall ensure that the emergency generators (Source ID: 103B) are operated only to provide electrical power or mechanical work during an emergency situation, such as producing power for critical networks or equipment or to supply power to portions of the facility when electric power from the local utility is interrupted, or used to pump water in the case of fire or flood.

(b) The permittee shall ensure that the emergency generator engines meet the definition of institutional emergency stationary RICE (reciprocating internal combustion engines) in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR §63.6640(f).

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

Source ID 103B includes the following exempt engines:

400 kW Diesel Generac/SD 400, installed in 2004, located at Goshen Hall  
 100 kW Diesel Kohler/100ROZJ81, installed in 1995, located at Lawrence Hall  
 230 kW Diesel Onan/DAFB 3388631, installed in 2001, located in at Wayne Hall  
 500 kW Diesel Caterpillar/SR4B, installed in 1999, located at Science Center South  
 350 kW Natural Gas WA Kraft/350GOL, installed in 1995, located at the Merion Science Center  
 360 kW Diesel Detroit Diesel/S60, installed in 2006, located at Swope Music Building/PAC  
 100 kW Diesel Onan 100DGDB, manufactured in 1993, located at 204 Carter Drive.

**SECTION D. Source Level Requirements**

Source ID: 104A

Source Name: EMERGENCY GENERATORS (SUBPART III NSPS)

Source Capacity/Throughput:

N/A

#2 Oil

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

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the aggregate NO<sub>x</sub> emissions from all exempt engines included in Source ID 103B, 104A, and 104B to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 60.4207(b) and 80.510(c).]

The permittee shall ensure that diesel fuel is the only fuel consumed by the engines included in Source ID 104A. The diesel fuel is subject to the following per-gallon standards:

(a) Sulfur content: 15 ppm maximum for nonroad diesel fuel.

(b) Cetane index or aromatic content, as follows:

(1) A minimum cetane index of 40; or

(2) A maximum aromatic content of 35 volume percent.

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

**Operation Hours Restriction(s).**

# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described as follows, is prohibited, according to 40 CFR § 60.4211(f)(1) through (3):

The permittee may operate the emergency stationary ICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization

**SECTION D. Source Level Requirements**

or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(b) If the permittee does not operate the engine according to the requirements of this condition, the engine will not be considered an emergency engine under 40 CFR Part 60 Subpart IIII and the engine must meet all requirements for nonemergency engines.

**II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

**III. MONITORING REQUIREMENTS.****# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 40 CFR § 60.4209(a).]

The permittee shall monitor the hours of operation of each engine included in Source ID 104A through the use of a non-resettable hour meter.

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

The permittee shall maintain records of the aggregate NOx emissions from all exempt engines included in Source ID 103B, 104A, and 104B in pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NOx emission limits applicable to this source.

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

The permittee shall maintain records of the following information, for each shipment of diesel fuel recieved for the engines included in Source ID 104A obtained either by laboratory analysis or from the fuel supplier's certification:

(a) The sulfur content.

(b) The cetane index or the aromatic content.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records on site to demonstrate compliance that each engine is certified (i.e. certificate of conformity or USEPA or EU equivalent Tier certification, etc.) and in compliance with the emission standards as required by 40 CFR § Part 60 Subpart IIII.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall keep records of the operation of the engines in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee shall record the time of operation of the engines and the reason the engines were in operation during that time.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.4209(a).]

The permittee shall maintain and operate a non-resettable hour meter on this emergency stationary internal combustion engine.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall operate and maintain the stationary CI ICE included in Source ID 104A which achieves the emission standards as required in 40 CFR Part 60 Subpart IIII over the entire life of the engine.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) The permittee shall operate and maintain the stationary CI internal combustion engines according to the manufacturer's emission-related written instructions.

(b) The permittee shall change only those emission-related settings that are permitted by the manufacturer.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall comply with the applicable emission limits of 40 CFR Part 60 Subpart IIII by purchasing an engine

**SECTION D. Source Level Requirements**

certified to the emission standards, as applicable, for the same model year and maximum engine power, according to 40 CFR § 60.4211(c).

**# 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

If the permittee does not operate and maintain each engine according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as follows, according to 40 CFR § 60.4211(g)(2): For each stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, the permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the emission related settings are changed in a way that is not permitted by the manufacturer.

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

Source ID 104A includes the following emergency generators powered by diesel engines:

200 kW Deteroit Diesel/GM47620-KPS installed in 2008, located at 25 University Avenue  
 200 kW Cummins/QLS9-G2/DSHAC installed in 2009, located at Allegheny Hall (RFD No. 1129)  
 150 kW Cummins/DSGAC-5268144 installed in 2010, located at EO Bull IT Telecom Center (RFD No. 1882)  
 250 kW Kohler 250/REOZJE installed in 2013, located at the Student Recreation Center (RFD No. 3452)  
 400 kW Generac/SD400KG installed in 2016, located at BPMP  
 20 kW Cummins 150/DSKBA-6802742 installed in 2016, located in EO Bull.

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

The engines listed in Source ID 104A are subject to the requirements of Subpart IIII of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>

**# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?**

Stationary CI ICE with a maximum engine power greater than or equal to 37 KW (50 HP), must comply with the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR § 89.112 for all pollutants beginning in model year 2007.

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?**

Pursuant 40 CFR § 89.112, exhaust emission from nonroad engines shall not exceed the following applicable exhaust emission standards from Table 1:

**SECTION D. Source Level Requirements**

Table 1: Emissions Standards (g/kW-hr)

Rated Power (kW)	Tier	Model Year	NMHC + NOx	CO	PM
37<kW<75	Tier 3	2008	4.7	5.0	0.40
130<kW<225	Tier 3	2006	4.0	3.5	0.20
225<kW<450	Tier 3	2006	4.0	3.5	0.20

**SECTION D. Source Level Requirements**

Source ID: 104B

Source Name: EMERGENCY GENERATORS (SUBPART JJJJ NSPS)

Source Capacity/Throughput:

N/A

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from any source group in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

[The method of compliance with this condition is the use of natural gas only in each engine.]

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

The permittee shall limit the aggregate NO<sub>x</sub> emissions from all exempt engines (Source ID 103B, 104A, and 104B) on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

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

The permittee shall ensure that only natural gas shall be used for the emergency generators (Source ID: 104B).

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee may operate the engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of 40 CFR Part 60 Subpart JJJJ.

**Operation Hours Restriction(s).****# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) In order for the engines to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described as follows, is prohibited, according to 40 CFR § 60.4243(d)(1) through (3): The permittee may operate the emergency stationary ICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent

**SECTION D. Source Level Requirements**

balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(b) If the permittee does not operate the engine according to the requirements of this condition, the engine will not be considered an emergency engine under 40 CFR Part 60 Subpart JJJJ and the engine must meet all requirements for nonemergency engines.

**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.**

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall monitor the hours of operation of each emergency engine listed in Source ID 104B using a nonresettable hour meter, according to 40 CFR § 60.4237(c).

**IV. RECORDKEEPING REQUIREMENTS.**

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

The permittee shall keep records on site to demonstrate compliance that the engines included in Source ID 104B are certified (i.e. certificate of conformity or USEPA or EU equivalent Tier certification, etc.) and in compliance with the emission standards as required by 40 CFR § Part 60 Subpart JJJJ.

[This condition assures compliance with 40 CFR § 60.4243(b)(1): The permittee shall demonstrate compliance with the emission standards specified in 40 CFR § 60.4233(d) and (e) by purchasing an engine certified according to procedures specified in Subpart JJJJ, for the same model year and demonstrating compliance according to the methods specified in 40 CFR § 60.4243(a)(1).]

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

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt engines on site (Source ID 103B, 104A, and 104B), in pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums, to demonstrate compliance with the NOx emission limit for this source.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall keep records of the following information, according to 40 CFR § 60.4245(a):

- (a) All notifications submitted to comply with this subpart and all documentation supporting any notification.
- (b) Maintenance conducted on the engine.
- (c) Documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR Parts 90, 1048, 1054, and 1060, as applicable.

**SECTION D. Source Level Requirements**

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall keep records of the hours of operation of the engines that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

**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.**

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall operate and maintain the stationary SI ICE that achieves the emission standards as required in 40 CFR Part 60 Subpart JJJJ over the entire life of the engine.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?**

Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall comply with the emission standards of 40 CFR Part 60 Subpart JJJJ through engine certification to the emission standards, as applicable, for the same engine class and maximum engine power, according to 40 CFR § 60.4243(a).

**VII. ADDITIONAL REQUIREMENTS.**

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

The following emergency generators powered by natural gas engines are included in Source ID 104B:

30 kW Cummins/RS30 C30G, installed in 2018, located at Main Hall  
250 kW Cummins/C250N6, installed in 2017, located at Schmidt Hall  
60 kW Generac/SGG060, installed in 2018, located at Anderson Hall  
125 kW Kohler/125REZGC, installed in 2015, located at Peoples Building  
40 kW MTU/6V0072 GS40, installed in 2014, located at College Arms  
100 kW Kohler/100 REZGD, installed in 2013, located at the New Street Garage  
400 kW MTU 12V0183 GS400, installed in 2021, located at the Science Engineering Center and Commons.

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

The engines listed in Source ID 104B are subject to the requirements of Subpart JJJJ of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to

**SECTION D. Source Level Requirements**

both the USEPA and the Department. NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>

**# 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1] Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines Table 1 to Subpart JJJJ of Part 60.--**

Table 1 to 40 CFR Part 60 Subpart JJJJ - NO<sub>x</sub>, CO, and VOC Emission Standards for Stationary Emergency Engines with maximum engine power greater than 25 HP:

Engine Type	Max. Engine Power	Manufacture Date	Emission Limits (g/hp-hr)			Emission Limits (ppmvd @15% O <sub>2</sub> )		
			NO <sub>x</sub>	CO	VOC	NO <sub>x</sub>	CO	VOC*
Emergency	25<HP<130	1/1/2009	10**	387	---	---	---	---
Emergency	HP>130	1/1/2009	2.0	4.0	1.0	160	540	86

\* For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

\*\*The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NO<sub>x</sub> + HC.

**# 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233] Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) must comply with the emission standards in Table 1.



**SECTION E. Source Group Restrictions.**



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
102	EMERGENCY GENERATORS (RACT)		
<b>Emission Limit</b>			
500.000	gr/DRY FT3	dry basis	SOX
0.040	gr/DRY FT3	dry basis	TSP
103A	EMERGENCY GENERATORS (CATEGORY 4 EXEMPTION)		
<b>Emission Limit</b>			
500.000	PPMV	dry basis	SOX
103B	EMERGENCY GENERATORS (CATEGORY 6 EXEMPTION)		
<b>Emission Limit</b>			
2.750	Tons/OZNESEAS		NOX
6.600	Tons/Yr	12-month rolling basis	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
104A	EMERGENCY GENERATORS (SUBPART IIII NSPS)		
<b>Emission Limit</b>			
2.750	Tons/OZNESEAS		NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV/PPM	dry basis	SOX
104B	EMERGENCY GENERATORS (SUBPART JJJJ NSPS)		
<b>Emission Limit</b>			
2.750	Tons/OZNESEAS		NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV	dry basis	SOX

**Site Emission Restriction Summary**

Emission Limit			Pollutant
24.900	Tons/Yr	12-month rolling sum	NOX

**SECTION H. Miscellaneous.**

(a) The following previously-issued Operating Permit serves as a basis for certain terms and conditions in this Title V Operating Permit: RACT Operating Permit No. 15-0005 (Facility NOx Sources).

(b) The following sources have been determined by the Department to be insignificant sources of air emissions, and therefore do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable Federal, State, and Local regulations that may apply, including the Site Level Requirements (Section C) of this permit and the emission inventory reporting requirements (25 Pa. Code Chapter 135):

Diesel fuel-fired emergency generator at Allegheny Hall (RFD No. 1129) - included in Source ID 104A  
 150-kW diesel fuel-fire generator at EO Bull IT Center (RFD No. 1882) - included in Source ID 104A  
 Two (2) gas-fired, 3.0 MMBtu/hr, Low-NOx water heaters at Tyson Hall (RFD No. 2313)  
 250-KW emergency generator at New Student Recreation Center (RFD No. 3452) - included in Source ID 104A  
 Two (2) gas-fired 3.0 MMBtu/hr condensing water heaters at Goshen Hall (RFD No. 3640)  
 Two (2) gas-fired 1.5 MMBtu/hr condensing water heaters at Killinger Hall (RFD No. 3644)  
 Two (2) gas-fired 3.0-MMBtu/hr condensing boilers at Sykes Student Union (RFD No. 4337)  
 Two (2) gas-fired 3.0-MMBtu/hr condensing boilers at Wayne Hall (RFD No. 4338)  
 Two (2) gas-fired 3.0 MMBtu/hr condensing boilers at Schmidt Hall (RFD No. 4339)  
 Sources located between Sanderson and Schmidt Hall and at Goshen Hall (RFD No. 15-A01-928)  
 Source located at E.O. Bull Ctr. (RFD No. 15-A01-928)  
 Sources located at the Hollinger Field House, Ruby Jones Hall, and the Student Union (RFD No. 15-A01-886)  
 Natural Gas Water Boilers (rated heat input capacities less than 5.0 MMBtu/hr) previously listed as Source ID 035:  
 Killinger Hall (0.9 MMBtu/hr) Thermic N-900  
 Two (2) Killinger Hall ( $2 \times 1.50 = 3.0$  MMBtu/hr) Benchmark 1.5  
 Hollinger Pool (0.75 MMBtu/hr) Lochinvar  
 Two (2) Ehinger Gym ( $2 \times 0.75 = 1.50$  MMBtu/hr) Lochinvar  
 Schmucker Science South (0.52 MMBtu/hr) AJAX Boiler WFG1050 (RFD No. 15-A01-989)  
 Schmucker Science South (0.40 MMBtu/hr) AO Smith BTP 140-400 (RFD No. 15-A01-989)  
 Schmucker Science South (0.19 MMBtu/hr) AO Smith/BTP-150 (RFD No. 15-A01-989)  
 Two (2) Schmucker Science North ( $2 \times 0.85 = 1.70$  MMBtu/hr) AO Smith (RFD No. 15-A01-931)  
 Schmidt Hall (1.2 MMBtu/hr) Therific N-1200  
 Lawrence Hall (4.47 MMBtu/hr) Weil McLain/1488  
 Wayne Hall (1.2 MMBtu/hr) Therific N-1200  
 Two (2) Tyson Hall ( $2 \times 3.0 = 6.0$  MMBtu/hr) Benchmark 3.0  
 Two (2) Tyson Hall ( $2 \times 1.5 = 3.0$  MMBtu/hr) Thermal Station/122660  
 Two (2) Goshen Hall ( $2 \times 3.0 = 6.0$  MMBtu/hr) Benchmark 3.0  
 Goshen Hall (1.9 MMBtu/hr) Therific N-1900  
 Library II (0.24 MMBtu/hr) AO Smith BTC 240A  
 E.O. Bull (0.38 MMBtu/hr) Smith 19HE-S/W-03  
 E.O. Bull (0.30 MMBtu/hr) AO Smith BTH-300A-100  
 College Arms Apts. (0.20 MMBtu/hr) AO Smith HW-200M 102  
 College Arms Apts. (0.20 MMBtu/hr) Burnham 207NI-T2  
 College Arms Apts. (0.20 MMBtu/hr) Bradford White D80T 1993N  
 College Arms Apts. (0.26 MMBtu/hr) Lochnivar CBN260  
 Two (2) College Arms Apts. ( $2 \times 0.98 = 1.96$  MMBtu/hr) Lochnivar CBN0987  
 College Arms Apts. (0.16 MMBtu/hr) Bradford White D38T1553N  
 Sykes Student Union (1.4 MMBtu/hr) AO Smith  
 Philips Hall (1.9 MMBtu/hr) Bradford WhiteHydojet 2  
 Two (2) 220 E. Rosedale ( $2 \times 0.6 = 1.2$  MMBtu/hr) Hydro Therm  
 Two (2) Sturzebecker HSC ( $2 \times 0.45 = 0.90$  MMBtu/hr) Kargard  
 Sturzebecker HSC (1.0 MMBtu/hr) Patterson Kelly  
 Four (4) Sturzebecker HSC ( $4 \times 1.8 = 7.2$  MMBtu/hr) Bryan Boiler (RFD No. 15-A01-900)  
 Two (2) Sturzebecker HSC ( $2 \times 1.6 = 3.2$  MMBtu/hr) RayPak (RFD No. 15-A01-900)  
 Sturzebecker HSC (1.2 MMBtu/hr) RayPak (RFD No. 15-A01-900)  
 Two (2) Swope Music Bldg./PAC ( $2 \times 3.3 = 6.6$  MMBtu/hr) CB-200-100-125 (RFD No. 15-A01-1022)  
 Two (2) Swope Music Bldg./PAC ( $2 \times 0.4 = 0.8$  MMBtu/hr) Maxim (RFD No. 15-A01-1022)  
 Lawrence Hall (0.75 MMBtu/hr) Lochinvar Power Fin. (RFD No. 15-A01-1044)  
 Lawrence Hall Addition (0.15 MMBtu/hr) AO Smith (RFD No. 15-A01-1044)  
 624 High Street (0.299 MMBtu/hr) Weil McLain Ultra Series 3-ue  
 703 High Street (Bale House) (0.065 MMBtu/hr) Bradford White

**SECTION H. Miscellaneous.**

- Warehouse (0.25 MMBtu/hr) Reznor
- McKelvie Hall (0.65 MMBtu/hr) State
- Lawrence Hall (0.19 MMBtu/hr) Noritz
- 210 E. Rosedale (0.65 MMBtu/hr) Noritz
- Merion Sci. Ctr. (1.35 MMBtu/hr) Aerco/INN1350
- Merion Sci. Ctr. (1.35 MMBtu/hr) Aerco/INN1350
- Peoples Bldg. (0.20 MMBtu/hr) LAAR LUHE100199E3NA
- Main Hall (RFD No. 15-A01-961)
- Six (6) Sturzebecker HSC (3.92 MMBtu/hr each) Lochinvar, added in 2019
- Two (2) Science Engineering Center and Commerce (0.8 MMBtu/hr each) Lochinvar, AWN801PM, added in 2021
- Fuel Oil Water Boilers (rated heat input capacities less than 1.0 MMBTU/hr) previously listed as Source ID 037:
  - Alumni House (0.24 MMBtu/hr) Peerless WV-05-WPLTL
  - 850 South New Street (0.75 MMBtu/hr) Burnham
  - 114 West Rosedale (0.75 MMBtu/hr) Colombia
  - McCoy Farm House (0.75 MMBtu/hr) York
- Natural Gas Space Heaters (ceiling mounted units in work areas at the facility):
  - Warehouse (0.15 MMBtu/hr) MicroAir MT 1251
  - Warehouse (0.06 x 4 = 0.24 MMBtu/hr) Reznor UDAP60
  - Warehouse (0.3 x 3 = 0.9 MMBtu/hr) Reznor XL300
  - Sturzebecker HSC (0.427 x 6 = 2.562 MMBtu/hr) Hastings CF 100 55G21
  - 887 Matlack Street (0.105 x 4 = 0.42 MMBtu/hr) 4-Reznor UDAP100
  - 201 Carter Drive (0.3 x 6 = 1.8 MMBtu/hr) 6- Reznor XL300
- Residential Type Hot Air Furnaces:
  - 13/15 University Ave. (0.12 MMBtu/hr) Carrier 58MXB120-F-11120 Natural Gas
  - 13/15 University Ave. (0.12 MMBtu/hr) Int. Comfort G9MVT1202422 Natural Gas
  - 703 High Street (0.065 MMBtu/hr) Bradford White Natural Gas
  - McKelvie Hall (0.35 MMBtu/hr) Power Flame J-15A-10 Natural Gas
  - Messikomer Hall (0.108 MMBtu/hr) Panama GHN 115A50 Natural Gas
  - Messikomer Hall (0.108 MMBtu/hr) Panama GHN 115A50 Natural Gas
  - 809 Roslyn (0.14 MMBtu/hr) Uni Ceil OBUA 112-D3.53 Diesel
  - 811 Roslyn (0.14 MMBtu/hr) Uni Ceil OBUA 112-D3.53 Diesel
  - McCoy Barn (0.9 MMBtu/hr) Unitary Products PHBX16F100 Diesel
  - Glen Echo (0.14 MMBtu/hr) Uni Ceil OBUA 112-D3.53 Diesel
  - Glen Echo Carriage House (0.14 MMBtu/hr) Uni Ceil OBUA 112-D3.53 Diesel
  - 887 Matlack St. (0.2 MMBtu/hr) Trane YSC090E3EHA Natural Gas
  - 887 Matlack St. (0.15 MMBtu/hr) American Std. YSC090A3E3A3 Natural Gas
  - 887 Matlack St. (0.13 MMBtu/hr) Trane YSC060A3EH Natural Gas
  - 887 Matlack St. (0.09 MMBtu/hr) Nordyne FG6TC-092C-VBA Natural Gas
  - 887 Matlack St. (0.11 MMBtu/hr) Nordyne FG6TC-710C-VCA Natural Gas
  - 887 Matlack St. (0.05 MMBtu/hr) American Std. 036F3LOBD Natural Gas
  - 823 High Street (0.125 MMBtu/hr) Armstong LBR8A112 Diesel
- Miscellaneous Hydronic Boilers
  - Three (3) Main Hall (3\*2.0=6.0MMBtu/hr) Fulton/EDR 2000
  - Three (3) Philips Memorial Bldg. (3\*2.0=6.0 MMBtu/hr) Fulton/EDR 2000
  - Two (2) Schumaker Sci. North (2\*3.0=6.0 MMBtu/hr) AERCO/BMK3000
  - Two (2) Schumaker Sci. South (2\*3.0=6.0 MMBtu/hr) AERCO/BMK3000
  - Two (2) Merion Science Ctr. (2\*2.0=4.0 MMBtu/hr) AERCO/BMK2000
  - Two (2) Sykes Student Union (2\*3.0=6.0 MMBtu/hr) AERCO/BMK3000
  - Two (2) Schmidt Hall (2\*3.0=6.0 MMBtu/hr) AERCO/BMK3000
  - Two (2) Peoples Bldg. (2\*1.6=3.2 MMBtu/hr) Buderus-Riello
  - Five (5) Lawrence Hall (5\*2.0=10.0 MMBtu/hr) Aldrich/AWW-220-G
  - Filano House (1.99 MMBtu/hr) Weil McLain/PFG5PIDN
  - Reynolds Hall (0.32 MMBtu/hr) Weil McLain/EGH9P1
  - Two (2) Wayne Hall (2\*0.60=1.20 MMBtu/hr) ATH/KN-6WW
  - Three (3) Commons Bldg. (3\*3.0=9.0 MMBtu/hr) RBI Fusion XLF
  - Two (2) Sykes Student Union (2\*2.85=5.7 MMBtu/hr) Lochinvar, added in 2019
  - Two (2) Science Engineering Center and Commerce (2\*3.0=6.0 MMBtu/hr) AERCO BMK3000, added in 2021
- Miscellaneous Steam Boilers:
  - Three (3) Merion Science Ctr. (3\*4.464=13.392 MMBtu/hr) Weil McLain/1488

**SECTION H. Miscellaneous.**

Speakman Bldg. (0.346 MMBtu/hr) Weil Mclain/380  
Two (2) Recitation Hall (2\*1.0=2.0 MMBtu/hr) Weil-Mclain/488  
Two (2) Hollinger Fieldhouse (2\*1.70=3.4 MMBtu/hr) Weil-Mclain/688

**Miscellaneous Sources (Natural Gas):**

SECC Miscellaneous Cooking Appliances (43 units, total 6.54 MMBtu/hr) added in 2021  
SECC Lab Outlets (103 units, total 0.52 MMBtu/hr) added in 2021  
SECC Clothes Dryer (0.03 MMBtu/hr) added in 2021

(c) RENEWAL Title V Operating Permit (AUTH 516805): Terms and conditions of the initial TVOP (issued 6/23/1998), the RACT OP No. 15-0005, and the GP1 No. 15-312-034GP for Boiler 5 (Source ID: 036) are incorporated into the renewal permit.

(d) MINOR MODIFICATION Title V Operating Permit (AUTH ID 696741): The three (3) coal fired boilers (Source ID 031, 033, and 034) have been decommissioned as of 5/13/2014. Minor facility status for Anhydrous Hydrogen Chloride and the Combination of Hazardous Air Pollutants has been incorporated into Site Level Conditions (Section C).

(e) RENEWAL Title V Operating Permit (AUTH ID 780264) – no revisions.

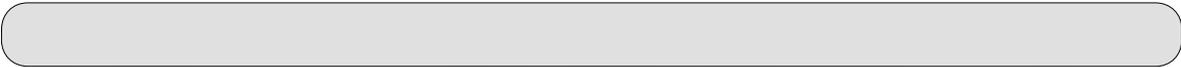
(f) ADMINISTRATIVE AMENDMENT Title V Operating Permit (AUTH ID 810146): Typographical errors have been corrected.

(g) RENEWAL Title V Operating Permit (AUTH ID 1020388) – no revisions.

(h) INITIAL Synthetic Minor Operating Permit (AUTH ID 1260120): Terms and conditions associated with synthetic minor status for NOx emissions has been added to the “initial” state only permit.

(i) RENEWAL Synthetic Minor Operating Permit (AUTH ID 1468673): Responsible Official has been updated to David McNamara. Facility-wide fuel throughputs have been revised to maintain synthetic minor status for NOx emissions. Sources have been updated accordingly, see review memo for details.

(j) The current monitoring frequency for malodor, fugitive and visible emissions as required in Site Level Requirements (Section C) is monthly, as per DEP correspondence dated 02/12/2016, and confirmed via email on 08/28/2019 and 08/27/2024.



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

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