



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: August 19, 2024

Effective Date: August 19, 2024

Expiration Date: August 18, 2029

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

**State Only Permit No: 23-00058**

Synthetic Minor

Federal Tax Id - Plant Code: 23-6002304-1

**Owner Information**

Name: HAVERFORD COLL  
Mailing Address: 370 LANCASTER AVE  
HAVERFORD, PA 19041-1392

**Plant Information**

Plant: HAVERFORD COLL/HAVERFORD  
Location: 23 Delaware County 23002 Haverford Township  
SIC Code: 8221 Services - Colleges And Universities

**Responsible Official**

Name: DONALD B CAMPBELL  
Title: DIR. OF FACILITIES MGMT  
Phone: (610) 896 - 1100 Email: dcampbel@haverford.edu

**Permit Contact Person**

Name: DONALD B CAMPBELL  
Title: DIR. OF FACILITIES MGMT  
Phone: (610) 896 - 1100 Email: dcampbel@haverford.edu

[Signature] \_\_\_\_\_  
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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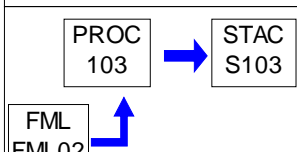
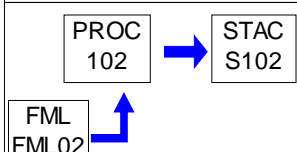
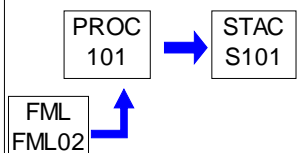
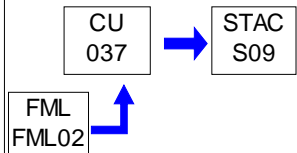
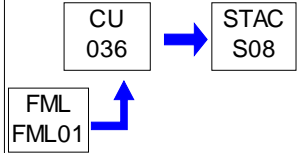
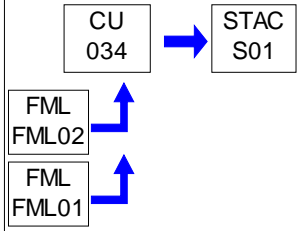
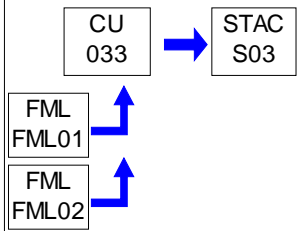
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
032	BOILER 2	14.700 MMBTU/HR	
		98.000 Gal/HR	#2 Oil
		14,238.000 CF/HR	Natural Gas
033	BOILER 3	14.700 MMBTU/HR	
		98.000 Gal/HR	#2 Oil
		14,238.000 CF/HR	Natural Gas
034	BOILER 1	14.700 MMBTU/HR	
		98.000 Gal/HR	#2 Oil
		14,238.000 CF/HR	Natural Gas
036	MISC. NAT. GAS-FIRED SOURCES UNDER 1.5 MMBTU	31.672 MMBTU/HR	
037	MISC. #2 FUEL OIL FURNACES	0.400 MMBTU/HR	
101	1000 KW GENERATOR USED FOR EMERGENCY	4.500 MMBTU/HR	
		62.000 Gal/HR	#2 Oil
102	1000 KW GENERATOR USED FOR EMERGENCY	4.500 MMBTU/HR	
		62.000 Gal/HR	#2 Oil
103	1000 KW GENERATOR USED FOR EMERGENCY	4.500 MMBTU/HR	
		62.000 Gal/HR	#2 Oil
FML01	NATURAL GAS UTILITY		
FML02	#2 FUEL OIL TANKS		
S01	BOILER 1 STACK		
S02	BOILER 2 STACK		
S03	BOILER 3 STACK		
S08	MISC. NAT. GAS-FIRED SOURCES (036) STACKS		
S09	MISC. #2 FUEL OIL FURNACES (037)		
S101	GENERATOR 1 STACK		
S102	GENERATOR 2 STACK		
S103	GENERATOR 3 STACK		

**PERMIT MAPS**



### PERMIT MAPS



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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

**#015 [25 Pa. Code § 127.11a]****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 in the Air Pollution Control Act (35 P.S. Section 4003).

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

(a) No person may permit the emission into the outdoor atmosphere of 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) of this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

(ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

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

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

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

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

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

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

(b) Equal to or greater than 60% at any time.

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

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either 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) (relating to prohibition of certain fugitive emissions).

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

The permittee shall ensure that the total nitrogen oxides (NOx) emissions from the facility shall not exceed 24.9 tons per year, as a twelve (12) month rolling sum.

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

**II. TESTING REQUIREMENTS.****# 009 [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, 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.****# 010 [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.

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
  - (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
  - (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

**SECTION C. Site Level Requirements**

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee;
- (3) have appropriate corrective action taken (for emissions that originate on-site); and
- (4) be recorded in a permanent written log.

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

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

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

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

Facility-wide emissions include emissions from the source(s) listed in this operating permit, all sources listed in Section A of the facility-wide operating permit No. 23-00058, as well as miscellaneous sources exempt from plan approval requirements which are listed in Section H of the facility-wide operating permit No. 23-00058.

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

The permittee shall calculate and maintain records of the total nitrogen oxides (NOx) emissions from the facility, on a monthly basis and as a twelve (12) month rolling sum.

**# 014 [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.

**# 015 [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.
- (c) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

**# 016 [25 Pa. Code §135.5]****Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code § 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control



**SECTION C. Site Level Requirements**

equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

**V. REPORTING REQUIREMENTS.****# 017 [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 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.

**# 018 [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,

**SECTION C. Site Level Requirements**

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

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

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

**SECTION C. Site Level Requirements****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

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

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

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

**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.

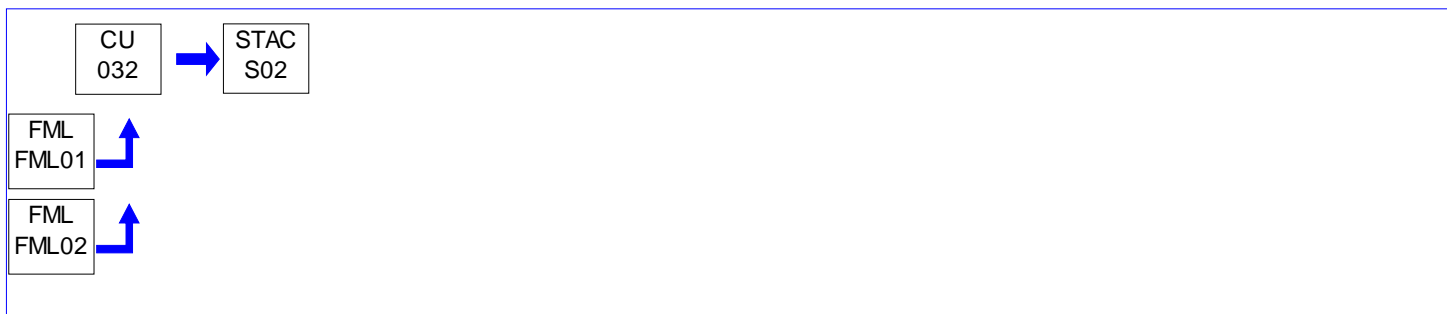
**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: BOILER 2

Source Capacity/Throughput:	14.700	MMBTU/HR	
	98.000	Gal/HR	#2 Oil
	14,238.000	CF/HR	Natural Gas

Conditions for this source occur in the following groups: LARGE BOILERS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

This source consists of a Cleaver Brooks boiler, model CB-657-350, installed in 1969 with a rated heat input of 14.7 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: BOILER 3

Source Capacity/Throughput:	14.700	MMBTU/HR	
	98.000	Gal/HR	#2 Oil
	14,238.000	CF/HR	Natural Gas

Conditions for this source occur in the following groups: LARGE BOILERS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

This source consists of a Cleaver Brooks boiler, model CB-657-350, installed in 1986 with a rated heat input of 14.7 MMBtu/hr.

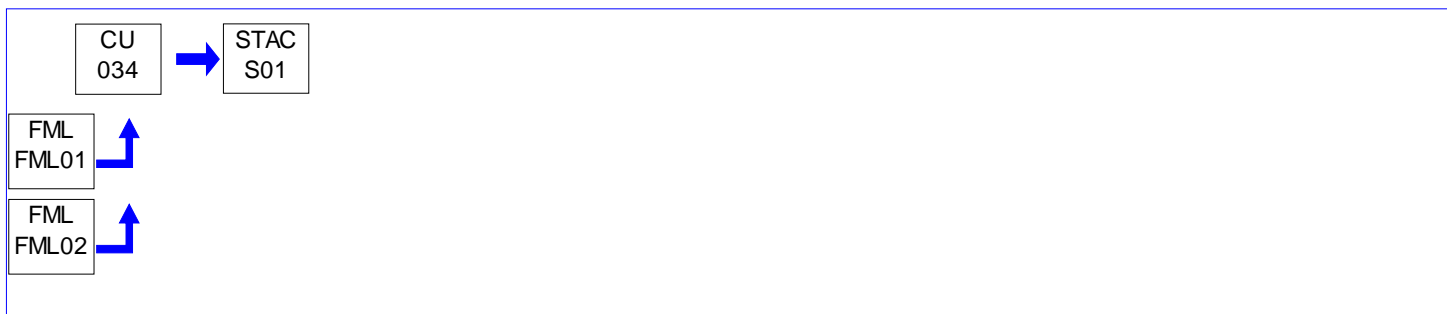
**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: BOILER 1

Source Capacity/Throughput:	14.700	MMBTU/HR	
	98.000	Gal/HR	#2 Oil
	14,238.000	CF/HR	Natural Gas

Conditions for this source occur in the following groups: LARGE BOILERS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

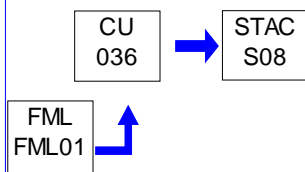
this source consists of a Cleaver Brooks boiler, model CB-657-350, installed in 1969 with a heat input of 14.7 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: MISC. NAT. GAS-FIRED SOURCES UNDER 1.5 MMBTU

Source Capacity/Throughput: 31.672 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grain 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 this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

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

The permittee shall ensure that only natural gas is used as fuel for all furnaces and hot water heaters included under this source (Source ID 036).

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the fuel usage for this source on a monthly and 12-month rolling basis.

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

(a) The permittee shall calculate and record the monthly and 12-month rolling emissions of NO<sub>x</sub> and VOCs from this source. Emissions factors for calculations shall come from the most recent edition of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors", manufacturer provided emissions data or other DEP approved source.

(b) The permittee shall use the emission factors from the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors", manufacturer provided emissions data or other DEP approved source to determine compliance with the pollutant emission limits in Conditions #001 and #002. The permittee shall maintain records of the calculations as proof of compliance.

(c) The permittee shall ensure that the emission calculations for the Miscellaneous Natural Gas Fired Sources Under 1.5 MMBtu (Source ID: 036) shall be included in the annual emission statement per Section C, Condition #013.

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

The permittee shall record the total natural gas usage for this source on a monthly basis.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall ensure that the Miscellaneous Natural Gas Fired Sources Under 1.5 MMBtu (Source ID: 036) shall be maintained and operated in accordance with the manufacturers' specifications.

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

This source consists of 201 residential natural gas furnaces ranging in heat input from 0.0375 MMBtu/hr to 1.3 MMBtu/hr, including the 2 Lochinvar model KBN501 boilers (previously Source IDs 046 and 047) rated at 0.5 MMBtu/hr, and 199 residential natural gas hot water heaters ranging in heat input from 0.034 MMBtu/hr to 0.4 MMBtu/hr. Total heat input from all sources under this source ID is 31.672 MMBtu/hr.

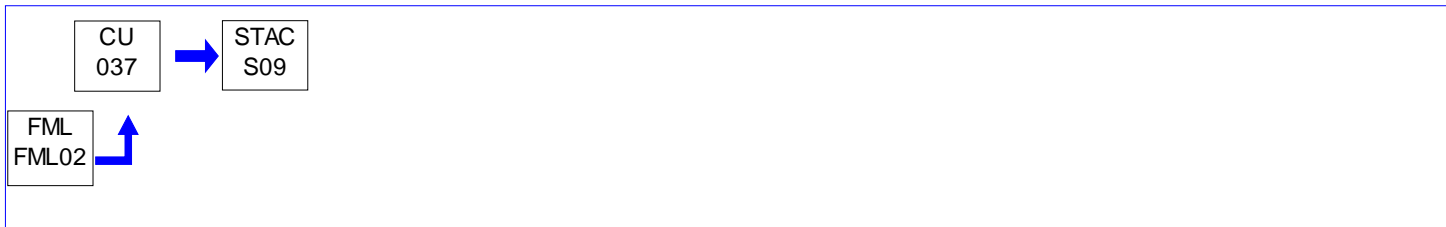


**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: MISC. #2 FUEL OIL FURNACES

Source Capacity/Throughput: 0.400 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grain 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 this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

[Compliance with fuel oil sulfur content in 25 Pa. Code § 123.22(e)(2)(i) assures compliance with this requirement.]

**Fuel Restriction(s).****# 003 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm (0.0015%) by weight for No. 2 fuel oil by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

[Compliance with this condition assures compliance with the sulfur emission rate of 1.0 lb SO<sub>2</sub>/MMBtu as found in 25 Pa. Code § 123.22(e)(1) for the inner zone, while firing No. 2 fuel oil.]

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

The permittee shall ensure that only #2 fuel oil is used as fuel for the Miscellaneous #2 Fuel Oil Furnaces (Source ID: 037).

**II. TESTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §123.22]****Combustion units**

The permittee shall obtain a receipt for each delivery of #2 fuel oil that states:

- (a) the date of delivery;
- (b) amount delivered; and
- (c) sulfur content of the delivered fuel.

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

The permittee shall monitor the amount of #2 fuel oil used on a monthly and 12-month rolling basis.

**IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §123.22]****Combustion units**

The permittee shall provide an electronic or written copy of the commercial fuel oil shipment record to the Department upon request, in accordance with 25 Pa. Code § 123.22(g)(4)(ii) as proof of compliance with sulfur limits.

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

(a) The permittee shall calculate and record the monthly and 12-month rolling NOx and VOC emissions from this source. Emission factors from the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors", manufacturer's emissions data or other DEP approved method shall be used for calculations.

(b) The permittee shall ensure that the emission calculations for the Miscellaneous #2 Fuel Oil Furnaces (Source ID: 037) shall be included in the annual emission statement per Section C, Condition #013.

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

The permittee shall record the total fuel oil usage for this source on a monthly basis.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall ensure that the Miscellaneous #2 Fuel Oil Furnaces (Source ID: 037) will be maintained and operated in accordance with the manufacturers' specifications.

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

The Miscellaneous #2 Fuel Oil Furnaces (Source ID: 037) consists of one (1) furnace with rated heat input capacity of 400,000 Btu/hr.

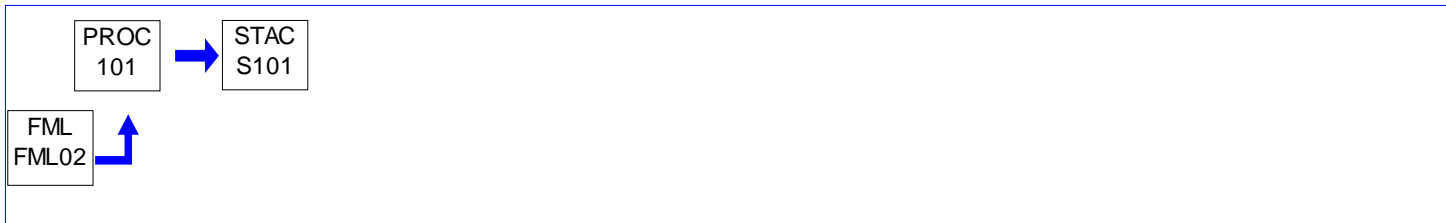
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: 1000 KW GENERATOR USED FOR EMERGENCY

Source Capacity/Throughput: 4.500 MMBTU/HR  
62.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: EMERG. GENS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

This source consists of a 2001 Cummins QST30-G5 1350 HP engine on a 1000 kW generator. Engine family 1CEXL030.ABA, certified to 2001 Tier 1 standards.

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: 1000 KW GENERATOR USED FOR EMERGENCY

Source Capacity/Throughput: 4.500 MMBTU/HR  
62.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: EMERG. GENS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

This source consists of a 2001 Cummins QST30-G5 1350 HP engine on a 1000 kW generator. Engine family 1CEXL030.ABA, certified to 2001 Tier 1 standards.

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: 1000 KW GENERATOR USED FOR EMERGENCY

Source Capacity/Throughput: 4.500 MMBTU/HR  
62.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: EMERG. GENS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

This source consists of a 2001 Cummins QST30-G5 1350 HP engine on a 1000 kW generator. Engine family 1CEXL030.ABA, certified to 2001 Tier 1 standards.

**SECTION E. Source Group Restrictions.**

Group Name: EMERG. GENS  
 Group Description: Emergency Generators  
 Sources included in this group

ID	Name
101	1000 KW GENERATOR USED FOR EMERGENCY
102	1000 KW GENERATOR USED FOR EMERGENCY
103	1000 KW GENERATOR USED FOR EMERGENCY

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grain 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 this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

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

The permittee shall ensure that pollutant emissions from the three (3) 1000- kW Generators (Source ID(s): 101, 102, and 103) shall not exceed the following limits on a twelve (12) month rolling sum basis:

Pollutant	Emission Limit
(a) Nitrogen Oxides (NO <sub>x</sub> )	19.65 tpy
(b) Carbon Monoxide (CO)	2.4 tpy
(c) Volatile Organic Compound (VOCs)	1.17 tpy
(d) Particulate Matter (PM)	0.3 tpy

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

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

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

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

The permittee shall ensure that the sulfur content in the No. 2 fuel oil used in these generators shall not exceed 0.0015% (15 ppm) by weight.

**Throughput Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the total amount of No. 2 fuel oil combusted in the three (3) 1,000-kW Generators (Source

**SECTION E. Source Group Restrictions.**

ID(s): 101, 102, and 103) shall not exceed 151,000 gallons per year, on a twelve (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.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following for each generator on a monthly and 12-month rolling basis:

- (a) Hours of operation
- (b) Reason for operation
- (c) Amount of fuel used.

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

The permittee shall monitor the amount of No. 2 fuel oil as a combined total for all generators in this group on a monthly and 12-month rolling basis.

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

- (a) The permittee shall monitor the sulfur content of each delivery of the No. 2 fuel oil used in these generators.
- (b) Documented certification of the sulfur content of the No. 2 fuel oil from the fuel oil supplier shall be deemed compliance with this condition.

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

(a) The permittee shall maintain records of the following for each generator in this group on a monthly and 12-month rolling basis:

- (1) Hours of operation
- (2) Reason for operation
- (3) Total amount of No. 2 fuel oil combusted
- (4) Emissions of NO<sub>x</sub>, CO, VOC, and PM. The permittee may use either the latest test stack test data, Cummins, Inc. "Exhaust Emission Data Sheet", or the latest edition of EPA's AP-42 Emissions Factors to calculate the emissions generated by each unit.

(b) The permittee shall maintain records of the combined total NO<sub>x</sub>, CO, VOC and PM emissions from the generators in this group on a monthly and 12-month rolling basis.

(c) The permittee shall maintain records of the combined total of No. 2 fuel oil combusted in these generators on a monthly and 12-month rolling basis.

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

A delivery receipt may be obtained from the fuel oil supplier, that certifies the percentage of sulfur, by weight, is less than or equal to 0.0015% for No. 2 commercial fuel oil each time a delivery is made.

**SECTION E. Source Group Restrictions.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of maintenance checks done for compliance with 40 CFR §63.6603(a) as required by Condition # 015.

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

The permittee shall ensure that a copy of the manufacturer's specifications for this generator shall be maintained on site and shall be made available upon Department request.

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

The permittee shall ensure that this generator shall be operated and maintained in accordance with the manufacturer's specifications as well as good air pollution control practices.

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

[Additional Authority from 40 CFR § 63.6603(a)]

(a) The permittee shall perform the following maintenance checks on each engine in this group:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(b) In lieu of the requirement for oil changes in paragraph (a)(1) of this condition, the permittee may choose to use an oil analysis program as outlined in 40 CFR § 63.6625(i). The permittee will need to perform analysis on the same schedule as used for oil changes and for the parameters listed in §63.6625(i). The permittee shall maintain records of analysis and follow the oil changing requirement of §63.6625(i) if using the oil analysis option.

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

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

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

**# 017 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

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

(b) The permittee shall calculate allowable emissions for each unit by multiplying the cumulative hours of operations from May 1 to September 30 for each unit in the group by the engine horsepower rating of each unit and by 2.3 grams of NOx per brake horsepower-hour.

**# 018 [25 Pa. Code §129.204]****Emission accountability.**

(a) If the affected source(s) has NOx CEMS, the permittee shall determine actual emissions in accordance with the CEMS



**SECTION E. Source Group Restrictions.**

data reported to the Department. Any data invalidated under Chapter 139 (relating to sampling and testing) shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

(b) If the permittee is not required to monitor NO<sub>x</sub> emissions with a CEMS, one of the following shall be used to determine actual emissions of NO<sub>x</sub>:

(1) The 1-hour average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NO<sub>x</sub>.

(2) The maximum hourly allowable NO<sub>x</sub> emission rate contained in the permit or the higher of the following:

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

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

(3) CEMS data, if the permittee elects to monitor NO<sub>x</sub> emissions with a CEMS. The permittee shall monitor emissions and report the data from the CEMS in accordance with Chapter 139 or Chapter 145 (relating to interstate pollution transport reduction). Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

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

**# 019 [25 Pa. Code §129.204]****Emission accountability.**

(a) The permittee shall surrender to the Department one CAIR NO<sub>x</sub> allowance and one CAIR NO<sub>x</sub> Ozone Season allowance, as defined in 40 CFR 96.102 and 96.302 (relating to definitions), for each ton of NO<sub>x</sub> by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

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

(c) By November 1 of each year, the permittee shall surrender the required NO<sub>x</sub> allowances to the Department's designated NO<sub>x</sub> allowance tracking system account and provide to the Department, in writing, the following:

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

(2) The calculations used to determine the quantity of NO<sub>x</sub> allowances required to be surrendered.

(d) If the permittee fails to comply with subsection (c), the permittee shall by December 31 surrender three NO<sub>x</sub> allowances of the current or later year vintage for each NO<sub>x</sub> allowance that was required to be surrendered by November 1 of that year.

(e) The surrender of NO<sub>x</sub> allowances under subsection (d) does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

**SECTION E. Source Group Restrictions.**

(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.

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

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

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: LARGE BOILERS

Group Description: Boilers over 1.5 MMBtu/hr

Sources included in this group

ID	Name
032	BOILER 2
033	BOILER 3
034	BOILER 1

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

**# 002 [25 Pa. Code §123.22]****Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

[Compliance with the sulfur content limit of 15 ppm (0.0015%) sulfur by weight in No. 2 fuel oil as required under 25 Pa Code § 123.22(e)(2)(i) assures compliance with this condition.]

**Fuel Restriction(s).****# 003 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm (0.0015%) by weight for No. 2 fuel oil by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall use only natural gas or #2 fuel oil as fuel for these sources.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

[Authority for this permit condition is derived from 25 Pa. Code § 127.35 and 40 CFR § 63.11195(e).]

(a) These boilers shall burn gaseous fuels not combined with any solid fuels, and liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a

**SECTION E. Source Group Restrictions.**

combined total of 48 hours per boiler during any calendar year.

(b) Fuel switching from natural gas to solid fossil fuel, biomass, or liquid fuel, except for reasons stated above, will result in the facility being subject to the requirements of 40 CFR Part 63 Subpart JJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers located at Area Sources.

**II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §123.22]****Combustion units**

The actual sulfur content of commercial fuel oil shall be determined:

- (a) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or
- (b) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

**# 007 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

(a) The following are applicable to 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 sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15); and

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

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

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

The permittee shall monitor the following for each boiler in this group on a monthly and 12-month rolling basis:

- (i) The amount and type of fuel combusted.
- (ii) The hours of operation.

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §123.22]****Combustion units**

The permittee shall maintain in electronic or paper format the record provided by the transferor for the shipment of commercial fuel oil as it changed hands to the permittee (ultimate consumer). This record must legibly and conspicuously contain the following information, in accordance with 25 Pa. Code § 123.22(g)(1) and (5):

- (a) The date of the sale or transfer.
- (b) The name and address of the transferor.
- (c) The name and address of the transferee.

**SECTION E. Source Group Restrictions.**

- (d) The volume of commercial fuel oil being sold or transferred.
- (e) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1) and § 139.16, expressed as one of the following statements:
- a. For a shipment of No. 2 and lighter commercial fuel oil:
    - i. Prior to September 1, 2020 - "The sulfur content of this shipment is 500 ppm or below."
    - ii. On and after September 1, 2020 - "The sulfur content of this shipment is 15 ppm or below."
- (f) The location of the commercial fuel oil at the time of transfer.

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

The permittee shall maintain records of the following parameters for each boiler in this group on a monthly and 12-month rolling basis:

- (a) The amount and type of fuel combusted.
- (b) The hours of operation.
- (c) The emissions of NO<sub>x</sub> and VOC. Emissions shall be calculated using the emissions factors from the latest edition of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors" or recent performance testing results.

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

The permittee shall ensure that the VOC and NO<sub>x</sub> emissions calculated for these boilers are included in the annual emission statement per Section C, Condition #013.

**V. REPORTING REQUIREMENTS.****# 012 [25 Pa. Code §123.22]****Combustion units**

The permittee shall provide an electronic or written copy of the commercial fuel oil shipment record to the Department upon request, in accordance with 25 Pa. Code § 123.22(g)(4)(ii).

**# 013 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

Results of the fuel oil sulfur test shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

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

[Additional authority for this condition is also derived from 25 Pa. Code § 129.93.]

This source shall be operated and maintained in accordance with manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
032	BOILER 2		
<b>Emission Limit</b>			
1.000	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
033	BOILER 3		
<b>Emission Limit</b>			
1.000	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
034	BOILER 1		
<b>Emission Limit</b>			
1.000	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
036	MISC. NAT. GAS-FIRED SOURCES UNDER 1.5 MMBTU		
<b>Emission Limit</b>			
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP
037	MISC. #2 FUEL OIL FURNACES		
<b>Emission Limit</b>			
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP
101	1000 KW GENERATOR USED FOR EMERGENCY		
<b>Emission Limit</b>			
2.400	Tons/Yr	Combined; 12-month rolling sum	CO
19.650	Tons/Yr	Combined; 12-month rolling sum	NOX
500.000	PPMV		SOX
0.040	gr/DRY FT3	particulate matter	TSP
0.300	Tons/Yr	Combined; 12-month rolling sum	TSP
1.170	Tons/Yr	Combined; 12-month rolling sum	VOC
102	1000 KW GENERATOR USED FOR EMERGENCY		
<b>Emission Limit</b>			
2.400	Tons/Yr	Combined; 12-month rolling sum	CO
19.650	Tons/Yr	Combined; 12-month rolling sum	NOX
500.000	PPMV		SOX
0.040	gr/DRY FT3	particulate matter	TSP
0.300	Tons/Yr	Combined; 12-month rolling sum	TSP
1.170	Tons/Yr	Combined; 12-month rolling sum	VOC

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
103	1000 KW GENERATOR USED FOR EMERGENCY		
Emission Limit		Pollutant	
2.400	Tons/Yr	Combined; 12-month rolling sum	CO
19.650	Tons/Yr	Combined; 12-month rolling sum	NOX
500.000	PPMV		SOX
0.040	gr/DRY FT3	particulate matter	TSP
0.300	Tons/Yr	Combined; 12-month rolling sum	TSP
1.170	Tons/Yr	Combined; 12-month rolling sum	VOC

**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 Permits and Plan Approvals serve as basis for certain terms and conditions in this State Only Operating Permit:

- (1) Operating Permit No. OP-23-0058
- (2) Plan Approval No. PA-23-0058 (Three (3) 1,000 kW Generators)

(b) The Dept. has determined that the following sources are de minimis and each shall be operated with VOC emission rates of less than 3.0 pounds per hour, 15.0 pounds per day and 2.7 tons per year, as a 12-month rolling sum, whichever is more stringent.

- (1) one (1) 240-kW (Spectrum Detroit Diesel) generator (Stokes Hall)
- (2) one (1) 5-kW generator (Security Bldg.)
- (3) one (1) 220 kW generator (Campus Center)

(c) On 8/17/2005, this State Only Operating Permit (Synthetic Minor) (APS ID: 345755, Auth ID: 587627) was modified to incorporate the following changes:

- (1) Revise the total VOC emission limit for the 3-1,000 kW generators from 0.15 tpy to 1.17 tpy;
- (2) Revise the nomenclature for Boiler #1 (Source ID: 031) to Boiler #4 (Source ID: 034) and Boiler #4 to Boiler #1;
- (3) Revise the NOx emission limit for the 3-1,000 generators from 6.9 gr/hr to 6.9 gr/bhp-hr.
- (4) Reduce the frequency of monitoring for odors, visible emissions and fugitive particulate matter per Section C, Condition #011.

(d) On 7/11/2006, this State Only Operating Permit (Synthetic Minor) (APS No. 345755, Auth ID: 612507) was administratively amended to correct the capacity/throughput data for Sources 101, 102, and 103 to 62.0 gal/hr.

(e) The data listed in Sections A, Site Inventory List, for capacity and fuel/material and source capacity descriptions and the permit maps in Section D are for descriptive purposes and are not considered as maximum source capacities or design limitations or enforceable conditions. Source limits are indicated in the text conditions of Section D and are listed in Section G of this State Only Operating Permit.

(f) The Dept. has determined that the following sources are exempted from Plan Approval monitoring, recordkeeping, and reporting requirements:

- (1) 1.35 MMBTU/hr boiler (RFD No. 23-A01-852) (reviewed 2/2/2006)
- (2) Natural gas-fired ceramic kiln (RFD No. 23-A01-848) (reviewed 1/13/2006)
- (3) Natural gas-fired brass kettle pot (RFD No. 23-A01-847) (reviewed 1/13/2006)
- (4) Dry Spray Booth (JBL) (RFD No. 23-A01-846)
- (5) Standby generator (RFD No. 23-A01-655) (reviewed 8/30/2001)

(g) On 5/5/2006, The Dept. consented to the facility's documented request to reduce the frequency of monitoring for malodors, fugitive and visible emissions to monthly per Section C, Condition #010.

(h) This State Only Operating Permit (Synthetic Minor) (APS No.: 345755, AUTH ID: 698113) has been renewed.

(i) The following changes have been made in the renewed State Only Operating Permit for Haverford College (SMOP-23-00058):

- (1) Cover/Title Page: Changed the names of the Responsible Official and Permit Contact.
- (2) Sections A and D: Changed the Source ID(s) for the Misc. Natural Gas Furnaces (Source 736), Misc. #2 Fuel Oil Furnaces (Source 737), and Misc. Hot Water Heater (Source 738). In addition, the classification for these sources has been changed from



**SECTION H. Miscellaneous.**

combustion units to processes.

(3) Section C, Condition #012: Added requirement to maintain records of the total nitrogen oxide (NOx) emissions from the facility on a monthly and 12-month rolling basis.

(4) Section C, Condition #013: Added requirement to maintain records of the total volatile organic compounds (VOC) emissions from the facility on a monthly and 12-month rolling basis.

(5) Section C, Condition #016: Added requirement to develop and implement an accidental release program and risk management plan (RMP).

(6) Section C, Condition #013 (now Condition #017): Included the current telephone number for the PADEP SERO.

(7) Section C, Condition #014 (now Condition #019): Included the updated regulatory language for the regulation (25 Pa. Code Section 135.21).

(8) Section D, Sources 031, 032, 033, and 034, Condition #003: Incorporated the sulfur content fuel restriction provisions of 25 Pa. Code § 123.22 (<0.2%, by weight), as an applicable requirement.

(9) Section D, Sources 031 and 035, Condition #008(b): The conditions have been revised to require the emission calculations for the sources be included in the annual emission statement per Section C, Condition #018.

(10) Section D, Sources 101, 102, and 103, Condition #003: For clarity, the conditions have been revised to omit the 4.8 gr/bhp-hr NOx emission limit.

(11) Section D, Sources 101, 102, and 103, Condition #008(a): The conditions have been revised to include a requirement to "calculate and record" the pollutant emissions on a monthly basis.

(12) Section D, Sources 101, 102, and 103, Conditions #015 and #016: Incorporated the Additional NOx Requirements of 25 Pa. Code §§ 129.203 and 129.204 as applicable requirements.

[Note: The Department amended Chapters 121 (General Provisions), 129 (Standards for Sources) and 145 (Interstate Pollution Transport Reduction) of the Pennsylvania Code to establish ozone season (May 1 through September 30) nitrogen oxide (NOx) emission limits for large stationary internal combustion engines, rated at greater than 1,000 horsepower (745 kW). The amendments require the emission limits to be implemented by May 1, 2005.]

(13) Section D, Source 736, 737, and 738, Condition #001: Incorporated the applicable particulate matter emission limit of 25 Pa. Code § 123.13 for processes (e.g., 0.04 gr/dscf).

[Note: This condition replaces the provisions of 25 Pa. Code § 123.11.]

(14) Section D, Source 736, 737, and 738, Condition #002: Incorporated the applicable sulfur oxide emission limit of 25 Pa. Code § 123.21 for processes. (e.g., 500 ppmvd).

[Note: This condition replaces the provisions of 25 Pa. Code § 123.22.].

(j) On 5/5/2006, the Dept. determined to grant the University's request to reduce the frequency of monitoring for malodors, visible and fugitive particulate emissions from weekly to monthly.

(k) The State Only Operating Permit No. 23-00058 (APS ID: 345755, AUTH ID: 951001) has been renewed.

\*\*\*\*\* January, 2019 \*\*\*\*\*

(l) The State Only Operating Permit No. 23-00058 (APS ID: 345755, AUTH ID: 951001) has been renewed. The following updates have been made during this renewal:

- 1) Boilers 4 and 5 (Source IDs 031 and 035) have been removed from the permit.
- 2) Boilers 6 and 7 (Source IDs 046 and 047) have been added to Section G of the permit. Each of these boilers is a Lochinvar, 0.5 mmBtu/hr, model number KBN501. Both boilers were installed on 01/01/2016.
- 3) For boilers 1, 2 and 3 (Source IDs 034, 032 and 033) the maximum sulfur content of the #2 fuel oil has been reduced to 500 ppm



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(0.05% by weight) and the viscosity requirement has been deleted.

4) Conditional requirement added to boilers 1, 2 and 3 (Source IDs 034, 032 and 033) for possible applicability of 40 CFR Part 63 Subpart JJJJJJ.

5) Conditional requirement added to Emergency Generators (Source IDs 101, 102 and 103) for possible applicability of 40 CFR Part 63 Subpart ZZZZ.

6) Fuel oil testing requirements have been added to Boilers 1, 2 and 3 in accordance with 25 Pa. Code 123.22(f) and 25 Pa. Code 123.16; fuel oil recordkeeping requirements have been added in accordance with 25 Pa. Code 123.22(g); fuel oil reporting requirements have been added in accordance with 25 Pa. Code 123.16.

7) Conditional requirement added to boilers 1, 2 and 3 (Source IDs 034, 032 and 033) for testing of fuel oil in the event that a delivery is made and no receipt, that certifies the percentage of sulfur, is obtained, in accordance with 25 Pa. Code 127.441.

8) The sitewide VOC emission limit of 24.9 tpy has been removed based upon calculations that show the sitewide VOC PTE is less than 25 tpy.

9) Five (5) sub sources removed or converted to electric and one (1) sub source reduced in heat input value for Source ID 738 (Misc. Hot Water Heaters).

10) Added requirements to monitor and record operating hours and the reasons for operation for Source IDs 101, 102 and 103 (1,000 KW Emergency Generators).

11) The following CAIR/CASPR/TR statement applies to this facility:

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

\*\*\*\*\* December, 2020 \*\*\*\*\*

(m) The State Only Operating Permit No. 23-00058 (APS ID: 345755, AUTH ID: 1336910) has been opened for cause to correct 25 Pa. Code 129.204(c) CAIR NOx requirement for Source IDs: 101, 102 and 103.

\*\*\*\*\* August 2024\*\*\*\*\*

AUTH 1448805; APS 345755:

- (1) For the renewal of state-only synthetic minor permit. During renewal, Boilers 4 & 5 (Source IDs 475348 and 035) were removed;
- (2) All small natural gas furnaces, boilers, and hot water heaters under 1.5 MMBTU/HR (Sources 738 and 739) were combined into one Misc. Natural Gas Sources (Source 036) to simplify recordkeeping;
- (4) Source 737 Misc NO. 2 Fuel Oil furnaces has been relabeled Source 0.37;
- (5) Manufacture date of generators updated to 2001 and the reference to demand response removed since they are no longer used for demand response.



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

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