



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

**STATE ONLY NATURAL MINOR OPERATING PERMIT**

Issue Date: December 22, 2022

Effective Date: January 27, 2023

Expiration Date: January 26, 2028

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

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

**State Only Permit No: 46-00134**

Natural Minor

Federal Tax Id - Plant Code: 23-1352647-1

**Owner Information**

Name: HILL SCH  
Mailing Address: 860 BEECH ST  
POTTSTOWN, PA 19464-5700

**Plant Information**

Plant: HILL SCH/POTTSTOWN  
Location: 46 Montgomery County 46005 Pottstown Borough  
SIC Code: 8211 Services - Elementary And Secondary Schools

**Responsible Official**

Name: COLLIN WOOD  
Title: FACILITIES DIRECTOR  
Phone: (610) 705 - 1274 Email: cwood@thehill.org

**Permit Contact Person**

Name: JEREMIAH ALDERFER  
Title: UTILITIES MANAGER  
Phone: (610) 705 - 1220 Email: jalderfer@thehill.org

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



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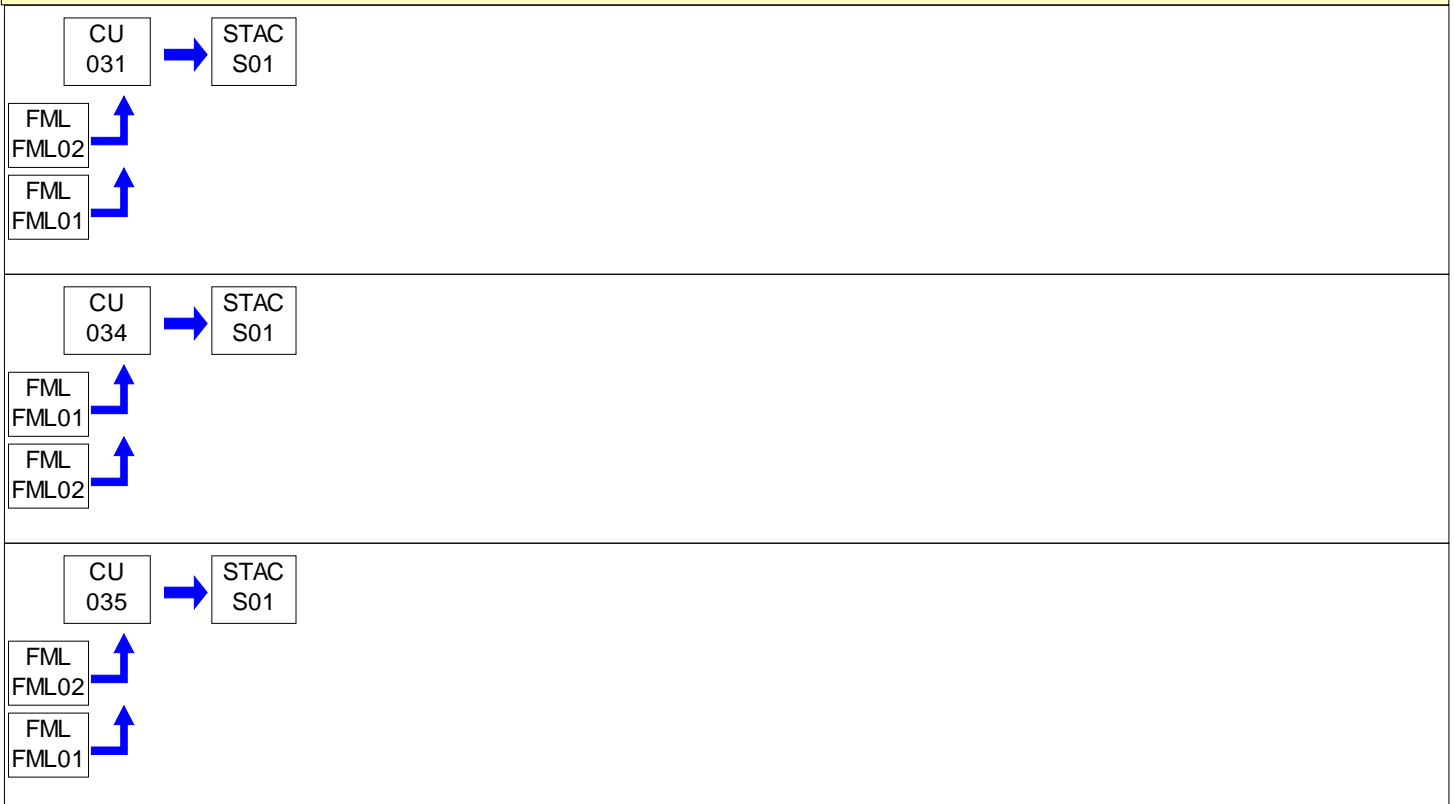
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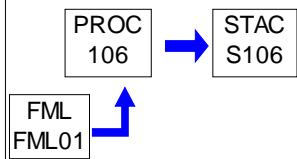
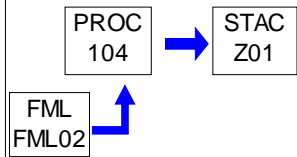
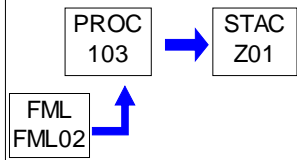
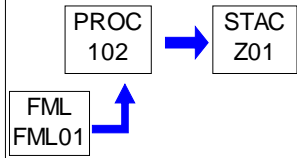
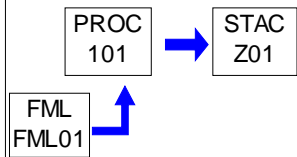
### **Section G. Emission Restriction Summary**

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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER 1	12.500 MMBTU/HR	
		12.400 MCF/HR	Natural Gas
		89.500 Gal/HR	#2 Oil
034	BOILER 5	12.500 MMBTU/HR	
		12.000 MCF/HR	Natural Gas
		90.500 Gal/HR	#2 Oil
035	BOILER 6	12.500 MMBTU/HR	
		90.500 Gal/HR	#2 Oil
		12.000 MCF/HR	Natural Gas
101	POWERHOUSE EMERGENCY GENERATOR 1	1.290 MCF/HR	NATURAL GAS
102	POWERHOUSE EMERGENCY GENERATOR 2	1.030 MCF/HR	Natural Gas
103	ACADEMIC BLDG EMERGENCY GENERATOR	12.960 Gal/HR	Diesel Fuel
104	DELL DORM EMERGENCY GENERATOR	9.600 Gal/HR	Diesel Fuel
106	TECOCHILL NATURAL GAS FIRED CHILLER	1.500 MMBTU/HR	Natural Gas
FML01	NATURAL GAS LINE		
FML02	#2 FUEL OIL		
S01	BOILERS STACK 1		
S106	TECOCHILL NATURAL GAS ENGINE STACK		
Z01	FUGITIVE EMISSIONS		

**PERMIT MAPS**

**PERMIT MAPS**

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) 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 minutes in any 1 hour; or
- (b) Equal to or greater than 60% at any time.

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

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

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a) (1) – (8) remove # reference (relating to prohibition of certain fugitive emissions).

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

The permittee shall limit the total combined NOx emissions of the entire facility to less than 24.9 tons per year calculated on 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.
- (g) A fire set solely for cooking food.

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

The Department reserves the right to require stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with any applicable requirement.

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

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, 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.

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 011 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

(a) The permittee shall monitor the 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).

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

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

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

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

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

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

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

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

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

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

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

Records of the monitoring data and supporting information required in all Sections of this permit shall be kept for a minimum of five (5) years in the format approved by the Department. These records shall be made available to the Department upon request.



**SECTION C. Site Level Requirements****# 016 [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.

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

[Additional authority for this 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 11(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 submit a compliance schedule or fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

**SECTION C. Site Level Requirements****# 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, 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.

**# 019 [25 Pa. Code §135.3]****Reporting**

If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all 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, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

[Compliance with this condition assures compliance with 40 C.F.R. 63.11225(b) for Source ID 031-Boiler 1, Source ID 034-Boiler 5 and Source ID 035-Boiler 6]

**SECTION C. Site Level Requirements****# 020 [25 Pa. Code §135.4]****Report format**

The emission inventory reports shall contain sufficient information to enable the Department to complete its emission inventory. Source reports shall be made by the source owner or operator in a format specified by the Department.

**VI. WORK PRACTICE REQUIREMENTS.****# 021 [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.

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

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

**# 023 [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.

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

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

**VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

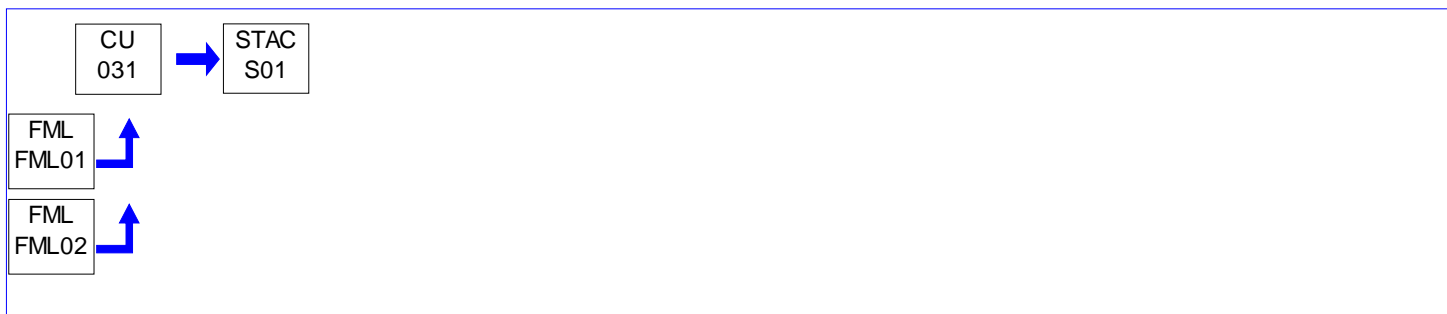
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: BOILER 1

Source Capacity/Throughput:	12.500 MMBTU/HR	
	12.400 MCF/HR	Natural Gas
	89.500 Gal/HR	#2 Oil

Conditions for this source occur in the following groups: GROUP 2

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

The permittee shall limit the throughput for this boiler to the following, calculated on a 12-month rolling sum:

- (a) Natural Gas - 61,893,600 cubic feet per year.
- (b) No. 2 Fuel Oil - 364,285 gallons per year.

**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).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of a 12.53 MMBtu/hr dual-fired boiler manufactured by Cleaver Brooks, Model number: CB-200-300. The boiler was manufactured and installed in 1988.

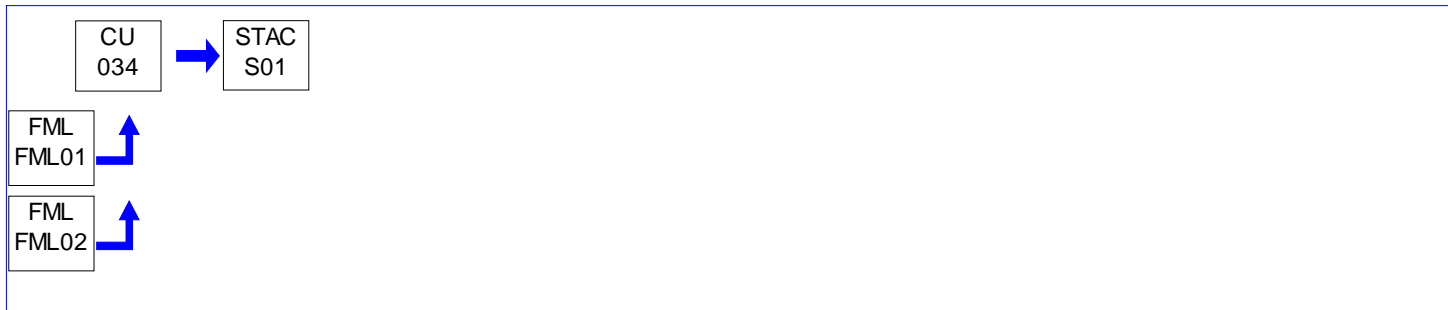
**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: BOILER 5

Source Capacity/Throughput:	12.500	MMBTU/HR	
	12.000	MCF/HR	Natural Gas
	90.500	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: GROUP 1  
GROUP 2

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

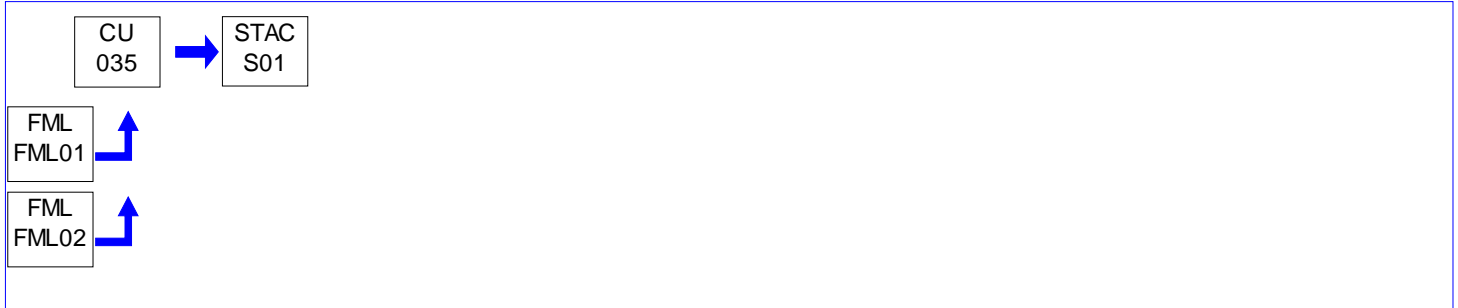
**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: BOILER 6

Source Capacity/Throughput:	12.500 MMBTU/HR	
	90.500 Gal/HR	#2 Oil
	12.000 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: GROUP 1  
GROUP 2

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

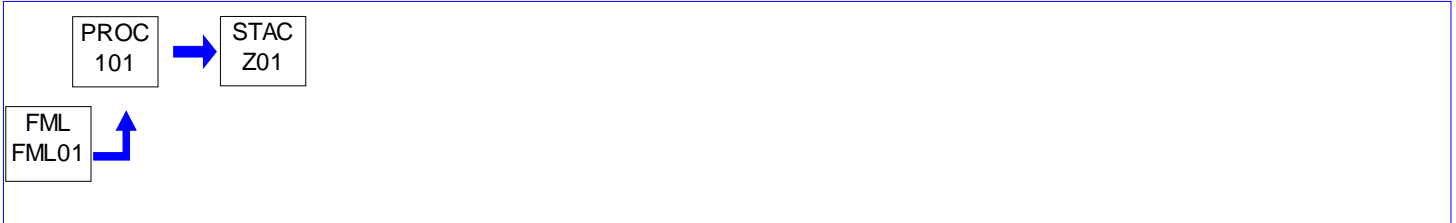
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: POWERHOUSE EMERGENCY GENERATOR 1

Source Capacity/Throughput: 1.290 MCF/HR NATURAL GAS

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

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only use natural gas as fuel for this emergency generator engine.

**Throughput Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the throughput of natural gas to this generator engine to 646,200 cubic foot per year.

**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).



**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of a 188 horsepower natural gas-fired engine manufactured by Ford, with Model# LSG-8751-6003-G. The generator associated with this source is manufactured by Onan and is 100KW. The serial number is 1860839151.

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: POWERHOUSE EMERGENCY GENERATOR 2

Source Capacity/Throughput: 1.030 MCF/HR Natural Gas

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

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only use natural gas as fuel for this emergency generator engine.

**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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

This source consists of a 150 horsepower, 8.1 liter natural gas-fired V8 non-turbocharged engine manufactured by GM. The generator associated with this source is manufactured by Kohler and is 81KW.

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: ACADEMIC BLDG EMERGENCY GENERATOR

Source Capacity/Throughput:

12.960 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GROUP 3  
GROUP 4

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

The permittee shall only use diesel as fuel for this emergency generator engine.

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

This source consists of a 202 horsepower, diesel-fired engine manufactured by John Deere, with Model# 6081TF001. The generator associated with this source is manufactured by Kohler and is 135KW.

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: DELL DORM EMERGENCY GENERATOR

Source Capacity/Throughput:

9.600 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GROUP 3  
GROUP 4

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

The permittee shall only use diesel as fuel for this emergency generator engine.

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

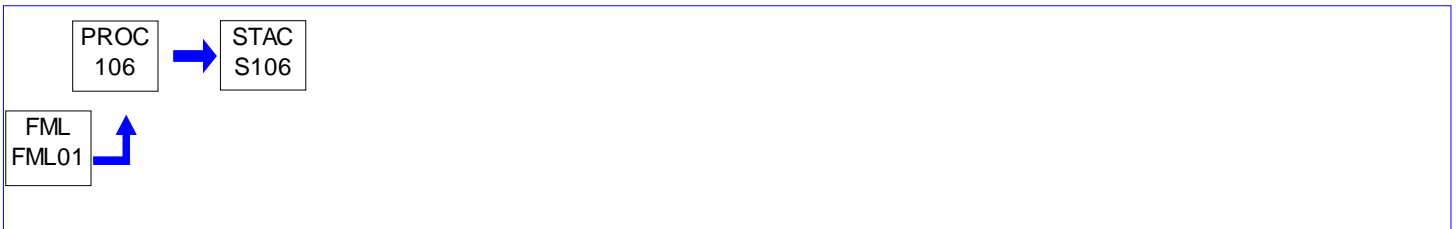
This source consists of a 158 horsepower, diesel-fired engine manufactured by John Deere, with Model# 6059TF003. The generator associated with this source is manufactured by Kohler and is 100KW.

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: TECOCHILL NATURAL GAS FIRED CHILLER

Source Capacity/Throughput: 1.500 MMBTU/HR Natural Gas

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

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 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**

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

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 of 40 CFR Part 60, Subpart JJJJ for their stationary SI ICE:

- (a) NO<sub>x</sub> = 1.0 g/HP-hr
- (b) CO = 2.0 g/HP-hr
- (c) VOC = 0.7 g/HP-hr

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

The permittee shall only use natural gas as fuel for this engine.

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

The permittee shall limit the operation of this source to 4,368 hours per year.

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

The permittee shall limit the total gas usage of this source to 1,733,879 cubic feet per year.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall monitor and maintain records of the following, on a monthly and 12-month rolling basis:

- (a) Hours of operation.
- (b) Natural gas usage.
- (c) NO<sub>x</sub>, VOC, and CO emission calculations.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional Authority for this permit condition is also derived from 40 C.F.R. 60 § 60.4245(a).]

The permittee shall keep records of the following information:

- (1) All notifications submitted to comply with 40 C.F.R. 60 Subpart JJJJ and all documentation supporting any notification.
- (2) Maintenance conducted on the engine.
- (3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.
- (4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

[Compliance with item (2) above in this condition, assures compliance with 40 C.F.R. § 60.4243(b)(2).]

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

The permittee shall operate and maintain the engine in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices for minimizing emissions.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.4243(b)(2).]

**SECTION D. Source Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain a non-resettable hour meter on this engine at all times.

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

This source consists of a 159 horsepower, natural gas-fired engine manufactured by Tecogen, with Model# Tecochill CH-200x. This engine powers the compressor for the facility's air conditioning system.

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: Boilers 5 &amp; 6 shared conditions

Sources included in this group

ID	Name
034	BOILER 5
035	BOILER 6

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

The permittee shall limit the nitrogen oxides (NOx) emissions from each boiler to:

- (a) 30 ppm<sub>dv</sub> corrected to 3 percent oxygen (O<sub>2</sub>) content when firing natural gas.
- (b) 90 ppm<sub>dv</sub> corrected to 3 percent O<sub>2</sub> when firing No. 2 fuel oil.

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

The permittee shall limit the carbon monoxides (CO) emissions from each boiler to 300 ppm<sub>dv</sub> corrected to 3 percent O<sub>2</sub> content.

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

The permittee shall limit the throughput of each boiler to following:

- (a) Natural Gas - 43,689,000 cubic feet per year.
- (b) No. 2 Fuel Oil - 214,285 gallons per year.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

- (a) The permittee shall calculate and maintain records of NO<sub>x</sub>, CO, and VOC emissions for each boiler on a monthly and 12-month rolling basis.
- (b) Records shall be maintained to demonstrate compliance with the NO<sub>x</sub> ppm and CO ppm emission limits.

**V. REPORTING REQUIREMENTS.**

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



**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each boiler shall be equipped with low NOx burners and flue gas recirculation (FGR).

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

This source consists of two (2) identical 12.25 MMBtu/hr dual-fired boilers manufactured by Cleaver Brooks, Model number: CB(LE) 200-300-150ST, installed January 1999.

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 2

Group Description: Shared conditions for all Boilers

Sources included in this group

ID	Name
031	BOILER 1
034	BOILER 5
035	BOILER 6

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

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

**Fuel Restriction(s).****# 002 [25 Pa. Code §123.22]****Combustion units**

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units which contain sulfur in excess of 0.0015% weight, pursuant to 25 Pa. Code § 123.22(e)(2), for the outer zone.

[Compliance with this condition assures compliance with streamlined condition 25 Pa. Code § 123.22(e)(1), for the outer zone, and also assures compliance with 40 CFR § 60.42c(d)]

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

- (a) Natural gas shall be the primary fuel for each boiler.
- (b) No. 2 fuel oil shall only be used during periods of gas curtailment, gas emergencies, or periodic testing of liquid fuel.
- (c) Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

[Compliance with conditions (b) and (c) above, ensures that this source is considered a gas fired boiler for the purposes of 40 C.F.R. Part 63 Subpart JJJJJJ]

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

**SECTION E. Source Group Restrictions.**

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

[Compliance with this condition assures compliance with 40 CFR §§ 60.44c(h) and 60.48c(f).]

**III. MONITORING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel used in each boiler on a monthly and 12-month rolling basis.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

- (a) Amount and type of fuel used.
- (b) NO<sub>x</sub>, CO, and VOC emission calculations.

[Compliance with this recordkeeping requirement assures compliance with 40 CFR § 60.48c(g)(3).]

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain records of the following for each boiler when combusting No. 2 Fuel Oil:

- (a) The date and duration of burning No. 2 fuel oil, recorded in hours, for each event.
- (b) The reason for burning No. 2 fuel oil.
- (c) The total hours per calendar year that No. 2 fuel oil was used for periodic testing.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**

**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

The permittee shall record and report to the administrator the following for this source:

- (1) Calendar dates covered in the reporting period.
- (2) Each 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period.
- (3) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described below. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.
  - (i) The name of the oil supplier;
  - (ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR §60.41c; and
  - (iii) The sulfur content or maximum sulfur content of the oil.
- (4) All records required under this section (40 CFR §60.48c) shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.
- (5) The reporting period for the reports required under this subpart (40 CFR Part 60 Subpart Dc) is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the

**SECTION E. Source Group Restrictions.**

reporting period.

**V. REPORTING REQUIREMENTS.**

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]  
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units  
Reporting and recordkeeping requirements.**

The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under 40 CFR § 60.42c, shall submit reports to the Administrator on a semi-annual basis in accordance with 40 C.F.R. 60.48c(j).

**VI. WORK PRACTICE REQUIREMENTS.**

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

The permittee shall operate and maintain this source in a manner consistent with safety and good air pollution practices for minimizing emissions and in accordance with the manufacturer's specifications.

[Compliance with this work practice standard assures compliance with 40 CFR § 63.11205.]

**# 011 [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?**

At the time of the issuance of this operating permit, these boilers meet the definition of a gas-fired boiler as defined under 40 CFR § 63.11237, and is therefore not subject to the requirements of 40 CFR Part 63 Subpart JJJJJJ, in accordance with the exemption criteria specified in 40 CFR § 63.11195(e).

Should any of these sources be operated in such a manner contrary to the definition of a gas-fired boiler, then the boiler must comply with all applicable requirements of 40 CFR Part 63 Subpart JJJJJJ.

**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: GROUP 3

Group Description: Shared conditions for all Emergency Generators

Sources included in this group

ID	Name
101	POWERHOUSE EMERGENCY GENERATOR 1
102	POWERHOUSE EMERGENCY GENERATOR 2
103	ACADEMIC BLDG EMERGENCY GENERATOR
104	DELL DORM EMERGENCY GENERATOR

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission into the atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

# 002 [25 Pa. Code §123.21]

**General**

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

**Operation Hours Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the hours of operation of each engine of this source group to 500 hours per year.

**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 following for each engine of this source group on a monthly and 12-month rolling basis:

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep records of the following for each engine of this source group on a monthly and 12-month rolling basis:

- (a) Amount of fuel used.
- (b) Hours of operation.
- (c) NO<sub>x</sub>, CO, and VOC emission calculations.

**SECTION E. Source Group Restrictions.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall keep records of any malfunctions for each engine of this source group. The records shall include the occurrence date, duration and corrective action taken.
- (b) The permittee shall keep records of all maintenance conducted on each engine of this source group.

**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 at all times, operate and maintain each engine of this source group in accordance with the manufacturer's specifications and in a manner consistent with safety and good air pollution control practices.

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

The permittee shall operate and maintain a non-resettable hour meter on each generator engine of this source group.

**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: GROUP 4

Group Description: Fuel oil requirements

Sources included in this group

ID	Name
103	ACADEMIC BLDG EMERGENCY GENERATOR
104	DELL DORM EMERGENCY GENERATOR

**I. RESTRICTIONS.****Fuel Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

No person may, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.0015% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

**II. TESTING REQUIREMENTS.****# 002 [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).

(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.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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





**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
031	BOILER 1		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.400	Lbs/MMBTU		PM10
034	BOILER 5		
<b>Emission Limit</b>		<b>Pollutant</b>	
300.000	PPMV	corrected to 3% O2 content	CO
30.000	PPMV	when firing natural gas	NOX
90.000	PPMV	when firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		PM10
035	BOILER 6		
<b>Emission Limit</b>		<b>Pollutant</b>	
300.000	PPMV	corrected to 3% O2 content	CO
30.000	PPMV	when firing natural gas	NOX
90.000	PPMV	when firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		PM10
101	POWERHOUSE EMERGENCY GENERATOR 1		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV		SOX
102	POWERHOUSE EMERGENCY GENERATOR 2		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV		SOX
103	ACADEMIC BLDG EMERGENCY GENERATOR		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV		SOX
104	DELL DORM EMERGENCY GENERATOR		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3		PM10
500.000	PPMV		SOX
106	TECOCHILL NATURAL GAS FIRED CHILLER		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.000	GRAMS/HP-Hr		CO
1.000	GRAMS/HP-Hr		NOX
0.040	gr/DRY FT3		PM10
0.700	GRAMS/HP-Hr		VOC

**SECTION G. Emission Restriction Summary.****Site Emission Restriction Summary**

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

**SECTION H. Miscellaneous.**

#001. Initial State Only Operating Permit issued under APS No. 346455; AUTH No. 355261.

(a) The previously issued Operating Permit 46-302-038 and Plan Approval PA-46-0134 serve as the basis for certain terms and conditions set forth in this Synthetic Minor Operating Permit.

(b) The following sources have been determined by the Department to be insignificant sources of air emissions, and therefore do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable Federal, State, and Local Regulations that may apply, including Site Level Requirements of this State Only Operating Permit.

(1) Residential Boilers, Hot Water Heaters, Dryers, Stoves, or Ovens fueled by Natural Gas, each with a rated capacity less than 1.0 mmBtu/hr (as listed in the 2017 State Only Application):

917 Walnut Boiler  
 919 High Street Hot Water Heater  
 Gundy Boiler  
 Gundy Hot Water Heater  
 Dutch Village Dorms - 4 Gas Stoves  
 Foster Dorms - 5 Gas Stoves  
 McCure Lodge/Faculty Apartments - 5 Gas Stoves  
 Pine Court - 7 Gas Stoves  
 Rolfe Dorms - 4 Gas Stoves  
 Wendell Dorms - 3 Gas Stoves  
 Kitchen - 1 Gas Stove  
 Kitchen - 4 Gas Stoves  
 Kitchen - Deep Fryers (2 units)  
 Kitchen - Steamer (1 unit)  
 Kitchen - Grill (1 unit)  
 Kitchen - Boiler (1 unit)  
 Kitchen - Bake Shop - Gas Oven  
 Gym - 2 Dryers  
 East Faculty Village - 11 forced hot air units; 11 fireplaces and 11 natural gas stoves

(2) Residential Boilers fired by Distillate (No. 2) Fuel Oil, each with a rated capacity less than 1.0 mm Btu/hr (as listed in the 2000 State Only Application):

Curtis Boiler  
 Pugh Boiler  
 Price Boiler  
 Price How Water Heater  
 801 Beech Boiler  
 915 Walnut Boiler  
 930 Chestnut Boiler  
 911 High Street Boiler  
 913 High Street Boiler  
 917 High Street Boiler  
 919 High Street Boiler  
 Buckles Boiler  
 Feroe House Boiler  
 639 King Street Boiler  
 640 King Street Boiler  
 641 King Street Boiler  
 645 King Street Boiler

#002. Auth ID: 661843, APS ID: 346455

This Synthetic Minor Operating Permit has been renewed.

The renewal also incorporates a Minor Modification Application. ( Auth ID: 696937, APS ID: 346455). The minor modification was to change the fuel and capacity/throughput for the following source ID's; 031, 032, 036, 101-105.

**SECTION H. Miscellaneous.**

- The natural gas throughput limits have been removed from the sources for the following reason:
  - State Only application submitted February 2000 indicated the sources burned natural gas.
  - DEP inspections conducted in 2006 & 2007 noted the sources now burn No.2 fuel oil and not natural gas.
  - Facility completed the fuel usage changes prior to notifying the Department. The Department requested a Minor Modification be submitted to address the physical changes of minor significance.
  - As a result, the natural gas throughput limits for the above mentioned sources were removed from the permit. The sources burn No.2 fuel oil.

The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable Federal, State, and Local Regulations that may apply, including Site Level Requirements of this State Only Operating Permit.

- Four (4) 100 MBTU/HR radiant heaters burning natural gas.  
Manufacturer: CoRayVac, Models: Crv-B-12A

- One (1) 2.35 MMBTU/HR Dehumidification system burning natural gas.  
Manufacturer: Modine, Model: HFP300TMRLN60F3

- One (1) 2.5 MMBTU/HR boiler burning natural gas. Previously identified as Source ID 033, Boiler number 4.  
Manufacturer: Cleaver Brook, Model: unknown

#003. AUTH # 938366 APS: 346455

This operating permit has been renewed.

The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable Federal, State, and Local Regulations that may apply, including Site Level Requirements of this State Only Operating Permit:

- Natural gas engine chiller (1532 MBTU/HR) used for air-conditioning purposes. Was approved to be installed under RFD # 2151 on April 18, 2011 (2017 Renewal: this source was added to the permit as Source ID 106, Tecochill Natural Gas Fired Chiller per the request of the permittee because the small 159 hp engine is subject to 40 C.F.R. 60 Subpart JJJJ)

The following two (2) sources have been removed from Section D of the permit and are considered insignificant sources. The permittee shall still include the emissions and fuel usage for the facility wide limit restrictions in Section C of this permit:

- Source ID 036 (Powerhouse HW Heater) burning natural gas and capable of burning of No. 2 fuel oil with a heat input capacity of 2.5 MMBTU/HR. 2017 Renewal: The Department inspected the source on 12/13/2017 and verified this source only burns natural gas and not No.2 fuel oil, there are no other fuel connections in place to even burn No.2 fuel oil.

- Source ID 071A (Center for the Arts Boiler) burning natural gas and capable of burning No. 2 fuel oil with a heat input capacity of 1 MMBTU/HR.; This boiler was replaced in 2015 with a new natural gas fired hot water boiler (Peerless Model PF1500N) heat input capacity 1.5 MMBTU/HR.

- The following emergency generators are not subject to 40 CFR 63 Subpart ZZZZ. The emergency generators are located at an Institutional facility according to 40 CFR 63.6590(3)(viii) and 40 CFR 63.6675 (Definitions). The generators listed below are exempt from this regulation if they maintain the emergency status as defined in the regulation. Therefore the hours of operation limits remain in the permit for each emergency generator.

- Source ID 101 (Powerhouse Emergency Generator 1)
- Source ID 102 (Powerhouse Emergency Generator 2)
- Source ID 103 (Academic Building Emergency Generator)
- Source ID 104 (Dell Dorm Emergency Generator)

#004. APS: 346455 AUTH: 1190289

This operating permit has been renewed.

**SECTION H. Miscellaneous.**

Source ID 106, Tecochill Natural Gas Fired Chiller, was added to the permit; see notes above under natural gas engine chiller.

Source ID 108, Gasoline Storage/Distribution (250 gal tank) was not added to the permit. It is a small tank used to fill lawn mower equipment and golf carts for security personal. The tank is subject to 40 C.F.R. 63 Subpart CCCCCC because they use less than 10,000 gal/month. The only requirement to comply with Subpart CCCCCC is:

(a) The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

- (1) Minimize gasoline spills;
- (2) Clean up spills as expeditiously as practicable;
- (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
- (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

(b) The permittee is not required to submit notifications or reports as specified in §63.11125, §63.11126, or subpart A of this part, but you must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.

(c) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.

Source ID 032, Boiler 3 was removed from the permit, the boiler is no longer operable. Department verified on 12/13/2017 that the source is disconnected and starting to be dismantled in order to remove the source from the site.

Source ID 105, Field House Non Emergency Generator was removed from the permit, the engine is no longer operable. The Department verified this on 12/13/2017; The engine has a cracked engine block and can not be repaired. The fuel connections are turned off and the engine will not start or operate even if they tried. The power is disconnected and the source will be removed from the site in the future.

#005. This State Only Operating Permit is being renewed under APS No. 346455; AUTH No. 1404506.

This renewal re-classifies the facility status from Synthetic Minor to Natural Minor by re-instating the fuel oil throughput limitations for Sources 031, 034, and 035, revising the operating hour and fuel throughput restriction to Source 101, and establishing an operating hour and fuel throughput restriction for Source 106. Doing so adds practical enforceability and ensures that the facility-wide NOx limit of 24.9 tons per year will not be exceeded.

Source ID 107, for a Maintenance Parts Washer, which was previously listed in this section as an insignificant source, has been permanently removed from the facility.

The following two (2) natural gas-fired combustion units have been added as insignificant sources:

- Steam Process Boiler - Superior Boiler, Model GMS-1600, Serial #18827. Build date 2018. Maximum firing rate 1.7 MMBtu/hr.
- Hot Water Boiler - Lochinvar Low NOx boiler, Model FBN 1751, Serial #1829-11126560. Maximum firing rate 1.7 MMBtu/hr.



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

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