



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

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date:	April 17, 2024	Effective Date:	May 11, 2026
Revision Date:	May 11, 2026	Expiration Date:	May 14, 2029
Revision Type:	Amendment		

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: 09-00084

Synthetic Minor

Federal Tax Id - Plant Code: 23-1352213-10

Owner Information

Name: ST LUKES HEALTH NETWORK INC
Mailing Address: 700 LAWN AVE
SELLERSVILLE, PA 18960-1548

Plant Information

Plant: ST LUKES HOSPITAL/SELLERSVILLE
Location: 09 Bucks County 09952 West Rockhill Township
SIC Code: 8062 Services - General Medical And Surgical Hospitals

Operator

Name: CARLOS RINCON [If different from owner]
Mailing Address: 700 LAWN AVE
SELLERSVILLE, PA 18960-1548

Responsible Official

Name: CARLOS RINCON
Title: FACILITIES MANAGER
Phone: (484) 486 - 3704 Email: carlos.rincon@sluhn.org

Permit Contact Person

Name: MICHAEL KORDELSKI
Title: ASSISTANT MANAGER
Phone: (215) 453 - 4880 Email: mkordelski@gvh.org

[Signature] _____
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER

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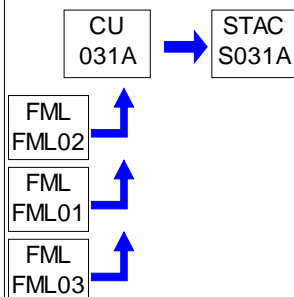
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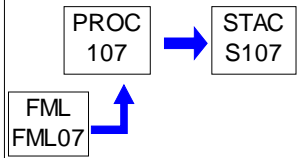
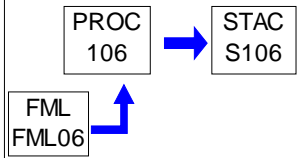
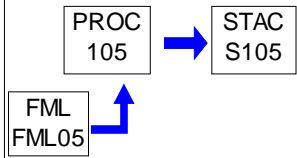
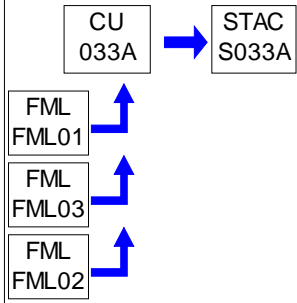
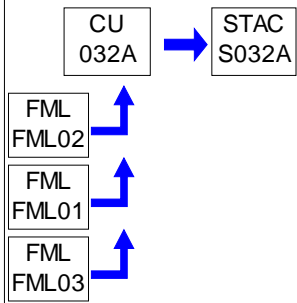
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031A	BOILER 1 (LOW-NOX BURNER)	14.500 MMBTU/HR	
		13.810 MCF/HR	Natural Gas
		105.840 Gal/HR	#2 Oil
032A	BOILER 2 (LOW-NOX BURNER)	14.500 MMBTU/HR	
		105.840 Gal/HR	#2 Oil
		13.810 MCF/HR	Natural Gas
033A	BOILER 3 (LOW-NOX BURNER)	14.500 MMBTU/HR	
		105.840 Gal/HR	#2 Oil
		13.810 MCF/HR	Natural Gas
034A	BOILER 4 (LOW-NOX BURNER W/ INDUCED FGR SYSTEM)	14.700 MMBTU/HR	
105	2,000-EKW EMERGENCY GENERATOR SET 1	136.200 Gal/HR	Diesel Fuel
106	2,000-EKW EMERGENCY GENERATOR SET 2	136.200 Gal/HR	Diesel Fuel
107	2,000-EKW EMERGENCY GENERATOR SET 3	136.200 Gal/HR	Diesel Fuel
FML01	NATURAL GAS		
FML02	10,000-GAL NO. 2 FUEL OIL UNDERGROUND STORAGE TANK (UST)		
FML03	15,000-GAL NO. 2 FUEL OIL UST		
FML05	15,300-GAL EMERGENCY GENERATOR SET 1 DIESEL FUEL SUB-BASE TK		
FML06	15,300-GAL EMERGENCY GENERATOR SET 2 DIESEL FUEL SUB-BASE TK		
FML07	15,300-GAL EMERGENCY GENERATOR SET 3 DIESEL FUEL SUB-BASE TK		
S031A	BOILER 1 STACK		
S032A	BOILER 2 STACK		
S033A	BOILER 3 STACK		
S105	2,000-EKW EMERGENCY GENERATOR SET 1 STACK		
S106	2,000-EKW EMERGENCY GENERATOR SET 2 STACK		
S107	2,000-EKW EMERGENCY GENERATOR SET 3 STACK		

PERMIT MAPS



PERMIT MAPS



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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

- (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:

- (1) Enforcement action

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(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:

(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

**SECTION B. General State Only Requirements**

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_x from a single source during the term of the permit and 5 tons of NO_x 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 PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ 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:

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

**SECTION B. General State Only Requirements**

- (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)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

**SECTION B. General State Only Requirements****#015 [25 Pa. Code § 127.11a]****Reactivation of Sources**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements****#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.

#023 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

**SECTION B. General State Only Requirements****#024 [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.

#025 [25 Pa. Code §135.4]**Report Format**

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

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

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

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

(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 (3) minutes in any one (1) hour.
- (b) Equal to or greater than 60% at any time.

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

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

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

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

The permittee shall ensure that the total emissions of nitrogen oxides (NOx) from this facility shall be less than 25 tons per year, as a 12-month rolling sum.

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

Facility-wide emissions include emissions from the source(s) listed in this operating permit, all sources listed in Section A of the facility-wide operating permit No. 09-00084, as well as miscellaneous sources exempt from plan approval requirements which are listed in Section H of the facility-wide operating permit No. 09-00084.

009 [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.**# 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, the most current

**SECTION C. Site Level Requirements**

version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

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

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region

RA-EPSEstacktesting@pa.gov

Central Office

RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF Id under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Testing Requirements (all that apply)

- a. Plan approval number(s)
- b. Operating permit number
- c. Applicable federal subpart(s) (i.e. 40 CFR 60, Subpart JJJJ)
- d. Special purpose(s) (Consent Order, RFD, RACT II, Tier II, etc.)

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

013 [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)

**SECTION C. Site Level Requirements**

- (2) Visible emissions (as per 25 Pa. Code §§123.41 and 123.42).
- (3) Fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

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

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Have appropriate corrective action taken (for emissions that originate on-site).
- (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.

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

The permittee shall monitor the total nitrogen oxide (NO_x) emissions from the facility on a monthly basis and as a 12-month rolling sum.

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

(a) The permittee shall monitor the highest individual hazardous air pollutant (HAP) emissions from the facility on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall monitor the total combined HAP emissions from the facility on a monthly basis and as a 12-month rolling sum.

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

(a) The permittee shall calculate and maintain records of the highest individual HAP emissions from the facility on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall calculate and maintain records of the total combined HAPs emissions from the facility on a monthly basis and as a 12-month rolling sum.

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

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

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

**SECTION C. Site Level Requirements****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the total nitrogen oxide (NO_x) emissions from the facility on a monthly basis and as a 12-month rolling sum.

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

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

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

V. REPORTING REQUIREMENTS.**# 020 [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.

**SECTION C. Site Level Requirements****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
 - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
 - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
 - (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

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

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

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

**SECTION C. Site Level Requirements**

- (b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;
- (c) Paving and maintenance of roadways; and
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

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.

025 [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.

VII. ADDITIONAL REQUIREMENTS.**# 026 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?**

Grand View Hospital is subject to the provisions of 40 CFR 63, Subpart IIII which is applicable to manufacturers, owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) with a displacement of less than 30 liters per cylinder where the model year is 2007 or later, that were manufactured after April 1, 2006 and are not fire pumps.

027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11193]**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Am I subject to this subpart?**

Grand View Hospital is not subject to the provisions of 40 CFR 63, Subpart JJJJJJ which establishes emission limitations and operating standards for new and existing industrial, commercial and institutional boilers located at major and area sources of hazardous air pollutant (HAP) emissions.

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.



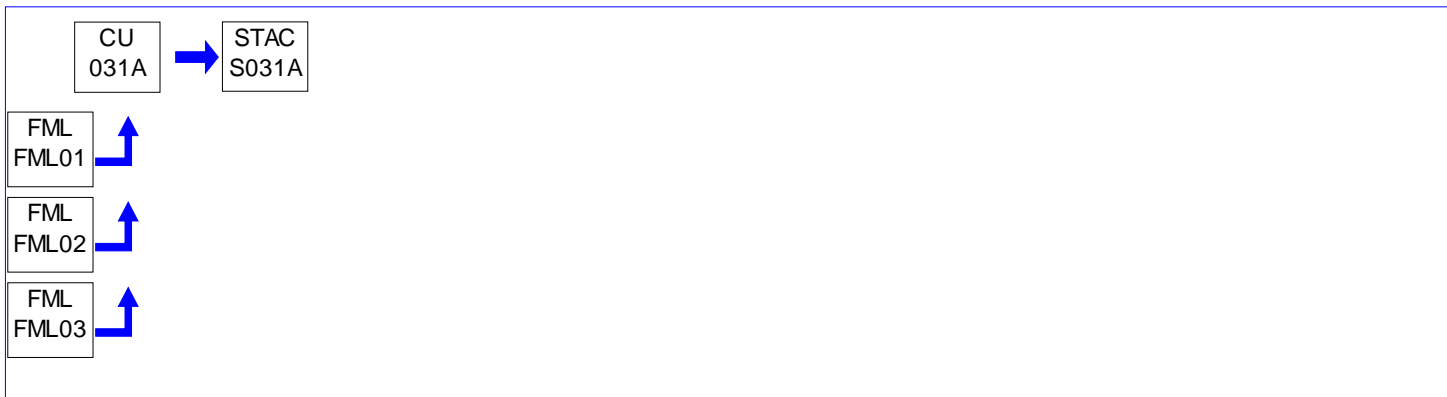
SECTION D. Source Level Requirements

Source ID: 031A

Source Name: BOILER 1 (LOW-NOX BURNER)

Source Capacity/Throughput:	14.500	MMBTU/HR	
	13.810	MCF/HR	Natural Gas
	105.840	Gal/HR	#2 Oil

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



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is manufactured by Kewanee, model number H3S-350-00, has a maximum rated heat input capacity of 14.5

**SECTION D. Source Level Requirements**

MMBtu/hr (7.9 MMBtu/hr normal fuel firing rate) and is equipped with a low-NOx burner, manufactured by Industrial Combustion, LLC CB Pro-Fire, model LNDLG-175P.

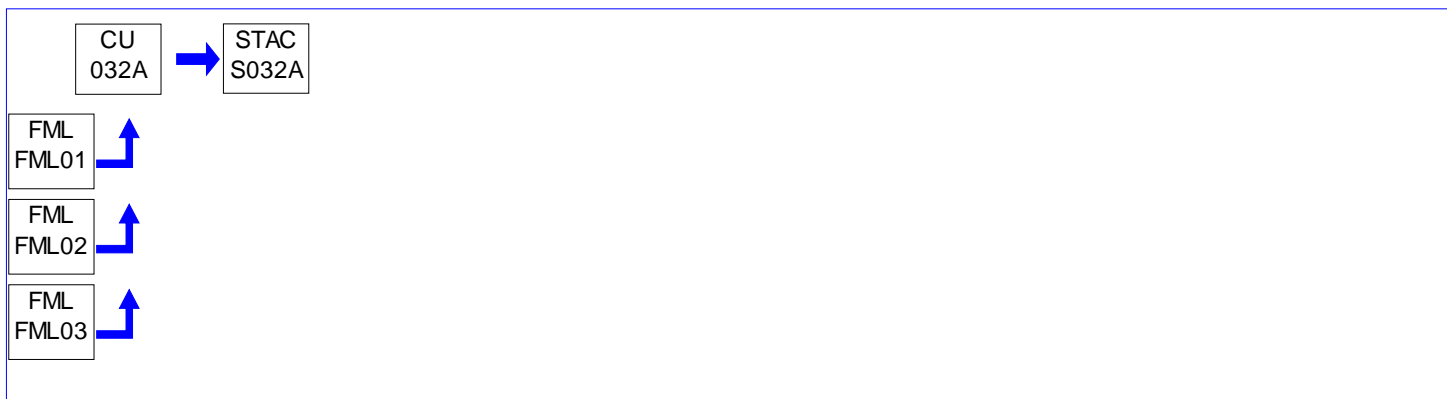
**SECTION D. Source Level Requirements**

Source ID: 032A

Source Name: BOILER 2 (LOW-NOX BURNER)

Source Capacity/Throughput:	14.500 MMBTU/HR	
	105.840 Gal/HR	#2 Oil
	13.810 MCF/HR	Natural Gas

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This boiler is manufactured by Kewanee, model number H3S-350-00, has a maximum rated heat input capacity of 14.5

**SECTION D. Source Level Requirements**

MMBtu/hr (7.9 MMBtu/hr normal fuel firing rate) and is equipped with a low-NOx burner, manufactured by Industrial Combustion, LLC CB Pro-Fire, model LNDLG-175P.

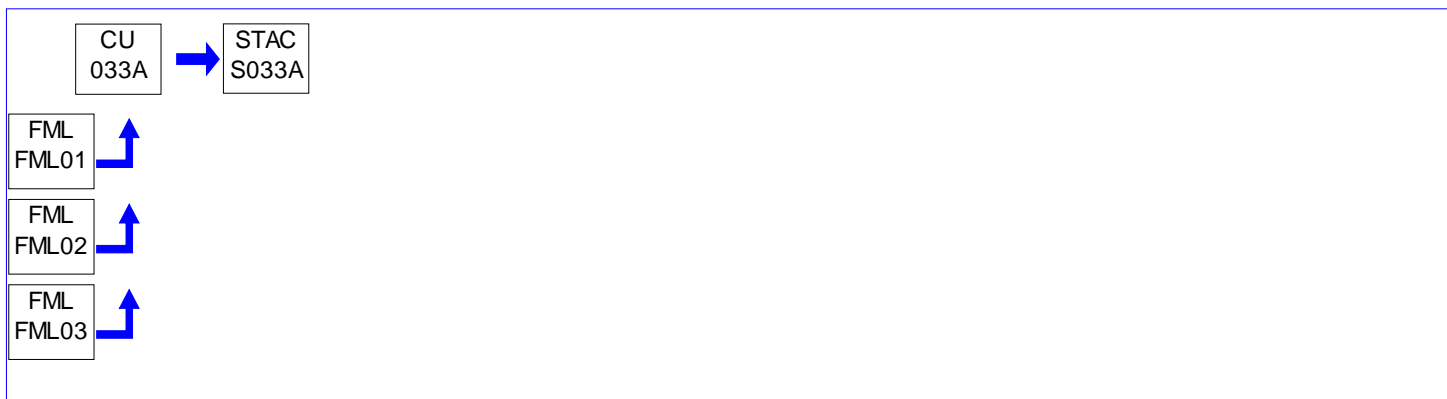
**SECTION D. Source Level Requirements**

Source ID: 033A

Source Name: BOILER 3 (LOW-NOX BURNER)

Source Capacity/Throughput:	14.500	MMBTU/HR	
	105.840	Gal/HR	#2 Oil
	13.810	MCF/HR	Natural Gas

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This boiler is manufactured by Kewanee, model number H3S-350-00, has a maximum rated heat input capacity of 14.5

**SECTION D. Source Level Requirements**

MMBtu/hr (7.9 MMBtu/hr normal fuel firing rate) and is equipped with a low-NOx burner, manufactured by Industrial Combustion, LLC CB Pro-Fire, model LNDLG-175P.

**SECTION D. Source Level Requirements**

Source ID: 034A

Source Name: BOILER 4 (LOW-NOX BURNER W/ INDUCED FGR SYSTEM)

Source Capacity/Throughput: 14.700 MMBTU/HR

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

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

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

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

[Additional authority for this condition is derived from 25 Pa. Code § 127.1.]

(a) The permittee shall ensure that the emission into the outdoor atmosphere of NO_x from this boiler occurs in such a manner that the concentration of the emission does not exceed either of the following:

(1) 30 ppmv, dry basis, corrected to 3% oxygen (O₂), when consuming natural gas.

(2) 90 ppmv, dry basis, corrected to 3% O₂, when consuming No. 2 fuel oil.

(b) The permittee shall ensure that the emission into the outdoor atmosphere of carbon monoxide (CO) from this boiler occurs in such a manner that the concentration of the emission does not exceed 300 ppmv, dry basis, corrected to 3% O₂.

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

(a) The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.0015%, each time a delivery is made.

[Compliance with this fuel oil sulfur content restriction also assures compliance with 25 Pa. Code § 123.22.]

(b) In the event that a delivery is made, and no receipt is obtained, the permittee shall perform testing in accordance with Condition #006(a).

Fuel Restriction(s).**# 005 [25 Pa. Code §123.22]****Combustion units**

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

(b) For Number 2 Fuel oil ONLY: Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

[Compliance with this condition assures compliance with the sulfur emission rate of 1.2 SO₂ lbs/MMBtu as found in 25 Pa. Code § 123.22(e)(1) for the outer zone, while firing No. 2 fuel and 40 CFR § 60.42c(d).]

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §123.22]****Combustion units**

(a) The permittee shall ensure that natural gas and No. 2 fuel oil are the only fuels consumed by this boiler.

(b) The sulfur content of the No. 2 fuel oil consumed by the boiler shall not exceed 15 ppm (0.0015%, by weight), except as specified in 25 Pa. Code § 123.22(e)(2)(ii)–(iii).

[Compliance with this condition assures compliance with 40 CFR § 60.42c(d).]

Throughput Restriction(s).**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the combined, total usage of fuel used by the boilers (e.g., Source ID(s): 031A, 032A, 033A, and 034A) shall not exceed the following:

(a) 175,000 dekatherms (175 million cubic feet) of natural gas per year, as a twelve (12)-month rolling sum; and,

(b) 794,000 gallons of No. 2 or diesel fuel oil per year, as a twelve (12)-month rolling sum.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

(a) The following testing requirements are applicable to the No. 2 fuel oil consumed by this boiler:

(1) The fuel sample shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the permittee shall collect the sample employing the procedures and equipment specified in ASTM International (ASTM) Standard D4057 or D4177, as appropriate.

(2) Unless an alternative method(s) is approved by the Department, in writing, only ASTM standards D129, D1552, D3227, or D4294 may be used to determine the sulfur content of the No. 2 fuel oil.

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of No. 2 fuel oil in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier indicating the sulfur content or maximum sulfur content of the No. 2 fuel oil.

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

The permittee shall monitor the following for this combustion unit on a monthly basis and as a twelve (12) month rolling sum:

(i) The hours of operation on each type of fuel.

(ii) The amount and type of fuel used.

IV. RECORDKEEPING REQUIREMENTS.**# 010 [25 Pa. Code §123.22]****Combustion units**

The permittee shall maintain records of the corresponding laboratory analysis or record of information required to be provided by the fuel supplier, pursuant to 25 Pa. Code § 123.22(g)(1)(i)–(iv) and (v)(A)(II) for each shipment of No. 2 fuel oil received for this boiler, as follows:

(a) The laboratory analysis shall specify the sulfur content or maximum sulfur content (% by weight; or ppm, by weight) of

**SECTION D. Source Level Requirements**

the No. 2 fuel oil.

(b) The record of information shall be in either an electronic or paper format, and shall legibly and conspicuously contain the following information:

- (1) The date of the sale or transfer.
- (2) The name and address of the fuel supplier.
- (3) The name and address of the permittee (i.e., where the No. 2 fuel oil is delivered to).
- (4) The volume of No. 2 fuel oil purchased.
- (5) The sulfur content or maximum sulfur content of the shipment of No. 2 fuel oil, determined in accordance with the sampling and testing methods specified in Condition # 008(a)(1)–(2), Section D (under Source ID 034A), of this permit. The maximum sulfur content may be expressed using the statement: "The sulfur content of this shipment is 15 ppm or below."

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

The permittee shall maintain records of all adjustments and tuneups performed on this boiler. These records shall contain, at a minimum, the following for each adjustment/tuneup:

- (a) The date of the tuning procedure.
- (b) The name of the service company and technicians.
- (c) The final operating rate or load.
- (d) The final NO_x and CO emission rates.
- (e) The final excess oxygen rate.

012 [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.**

Pursuant to 40 CFR § 60.48c(g)(2), the permittee shall maintain records of the following for this combustion unit on a monthly basis and as a twelve (12) month rolling sum:

- (i) The hours of operation on each type of fuel,
- (ii) The amount and type of fuel used.

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

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

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

The permittee shall perform an adjustment or tuneup on this boiler on an annual basis, in accordance with Condition # 005, Section D (under Source ID 034A), of this permit. The adjustment/tuneup shall include, but not be limited to, the following:

**SECTION D. Source Level Requirements**

- (a) Inspection, adjustment, cleaning, or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation, in accordance with the manufacturer's specifications.
- (b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x and, to the extent practicable, CO.
- (c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation, in accordance with the manufacturer's specifications.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

VII. ADDITIONAL REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source consists of a Scotch design firetube boiler, model no. H3S-350-G0, manufactured by Kewanee Boiler Mfg. Co., Inc.

(b) The boiler shall be equipped with a natural gas- (primary fuel) and No. 2 fuel oil- (auxiliary fuel) fired low-NO_x burner, model type/no. ProFire Model No. LNDLG-145-3, manufactured by Cleaver-Brooks, Inc. The burner shall be rated at 14.7 mmBtu/hr heat input and include an integral induced FGR system.

017 [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?

(a) Pursuant 40 CFR § 63.11195, this dual fuel-fired (e.g., No. 2 fuel oil and natural gas) boiler is exempted from the regulatory requirements of 40 CFR 63, Subpart JJJJJJ, as an affected source in the category of "gas-fired boiler".

(b) A "gas-fired boiler" includes any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

(1) "Performance testing" means the collection of data resulting from the execution of a test method used (either by stack testing or fuel analysis) to demonstrate compliance with a relevant emission standard.

(2) A "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. Onsite gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

(c) If a boiler is operated in such a manner that it is no longer meets the definition of a "gas-fired boiler", it must then comply with the applicable requirements of 40 C.F.R. 63, Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: 2,000-EKW EMERGENCY GENERATOR SET 1

Source Capacity/Throughput: 136.200 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: 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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source shall consist of an emergency generator set, model no. 3516C, manufactured by Caterpillar, Inc. The emergency generator set shall be rated at 2,000 kW power output (standby).

(b) The emergency generator set shall be equipped with a four-stroke, V-16, diesel fuel-fired, stationary reciprocating internal combustion engine, model no. 3516CDITA, also manufactured by Caterpillar, Inc. The engine shall be rated at 2,937 bhp power output (standby) and have a displacement of 4.31 liters per cylinder.

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: 2,000-EKW EMERGENCY GENERATOR SET 2

Source Capacity/Throughput: 136.200 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: 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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source shall consist of an emergency generator set, model no. 3516C, manufactured by Caterpillar, Inc. The emergency generator set shall be rated at 2,000 kW power output (standby).

(b) The emergency generator set shall be equipped with a four-stroke, V-16, diesel fuel-fired, stationary reciprocating internal combustion engine, model no. 3516CDITA, also manufactured by Caterpillar, Inc. The engine shall be rated at 2,937 bhp power output (standby) and have a displacement of 4.31 liters per cylinder.

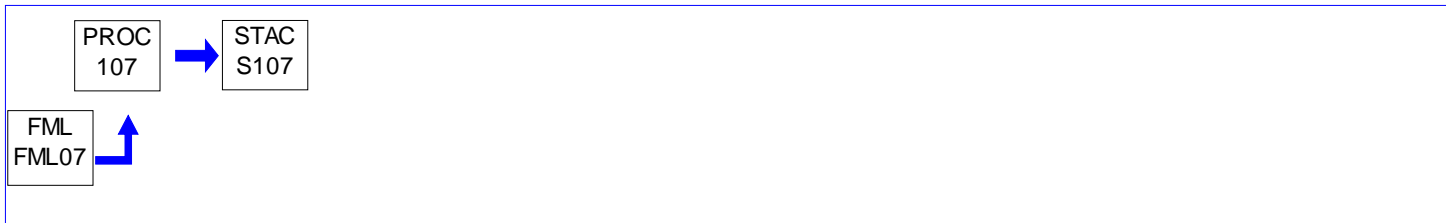
**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: 2,000-EKW EMERGENCY GENERATOR SET 3

Source Capacity/Throughput: 136.200 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: 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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source shall consist of an emergency generator set, model no. 3516C, manufactured by Caterpillar, Inc. The emergency generator set shall be rated at 2,000 kW power output (standby).

(b) The emergency generator set shall be equipped with a four-stroke, V-16, diesel fuel-fired, stationary reciprocating internal combustion engine, model no. 3516CDITA, also manufactured by Caterpillar, Inc. The engine shall be rated at 2,937 bhp power output (standby) and have a displacement of 4.31 liters per cylinder.

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: Low Nox Boilers Conditions

Sources included in this group

ID	Name
031A	BOILER 1 (LOW-NOX BURNER)
032A	BOILER 2 (LOW-NOX BURNER)
033A	BOILER 3 (LOW-NOX BURNER)

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

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

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million BTU of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

The permittee shall ensure that the emissions of nitrogen oxides (NO_x) and carbon monoxide (CO) from this dual fuel-fired combustion unit shall not exceed of the following limits:

- (a) 30 ppm_{dv} NO_x at 3% O₂ when firing gas;
- (b) 108 ppm_{dv} NO_x at 3% O₂ when firing No. 2 fuel oil; and
- (c) 300 ppm_{dv} CO at 3% O₂.

Fuel Restriction(s).**# 004 [25 Pa. Code §123.22]****Combustion units**

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

(b) For Number 2 Fuel oil ONLY: Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer:

1. Prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

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

[Compliance with this condition assures compliance with the sulfur emission rate of 1.2 lb SO₂/MMBtu as found in 25 Pa. Code § 123.22(e)(1) for the outer zone, while firing No. 2 fuel oil.]

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

(a) The permittee shall ensure that only natural gas or No. 2 or diesel fuel oil is used as fuel for each combustion unit in this source group.

(b) The permittee shall ensure that the maximum sulfur content in the No. 2 or diesel fuel oil shall not exceed 0.0015%, by weight.

[Compliance with this fuel oil sulfur content restriction also assures compliance with 25 Pa. Code § 123.22.]

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

The permittee shall ensure that the combined, total usage of fuel used by the boilers of this source group (Source IDs: 031A, 032A, 033A, and 034A) shall not exceed the following:

(a) 175,000 dekatherms (175 million cubic feet) of natural gas per year, as a twelve (12)-month rolling sum; and,

(b) 794,000 gallons of No. 2 or diesel fuel oil per year, as a twelve (12)-month rolling sum.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §123.22]****Combustion units**

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

(1) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or

(2) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

(b) A person other than the ultimate consumer that accepts a shipment of commercial fuel oil from a refinery or other transferor, shall sample, test, and calculate the actual sulfur content of the commercial fuel oil in accordance with (a), above, if the shipment lacks the records required by 25 Pa. Code § 123.22(g)(1).

008 [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) and (20).

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

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

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

The permittee shall monitor the following for each combustion unit of this source group, on a monthly basis and as a twelve (12) month rolling sum:

- (i) The hours of operation on each type of fuel,
- (ii) the amount and type of fuel used.

IV. RECORDKEEPING REQUIREMENTS.**# 010 [25 Pa. Code §123.22]****Combustion units**

The permittee shall receive with each fuel oil delivery an electronic or paper record which legibly and conspicuously contains the following information:

- (a) The date of the sale or transfer;
- (b) The name and address of the seller;
- (c) The name and address of the buyer;
- (d) The delivery address;
- (e) The volume of commercial fuel oil purchased; and
- (f) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1) and § 139.16, expressed as one of the following statements for a shipment of No. 2 and lighter commercial fuel oil:
 "The sulfur content of this shipment is 15 ppm or below."

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

- (a) The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.0015%, each time a delivery is made.

[Compliance with this fuel oil sulfur content restriction also assures compliance with 25 Pa. Code § 123.22.]

- (b) In the event that a delivery is made, and no receipt is obtained, the permittee shall perform testing in accordance with Condition #008(a), of this source group.

012 [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.**

Pursuant to 40 CFR § 60.48c(g)(2), the permittee shall maintain records of the following for this combustion unit on a monthly basis and as a twelve (12) month rolling sum:

- (i) The hours of operation on each type of fuel,
- (ii) The amount and type of fuel used.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §123.22]****Combustion units**

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

**SECTION E. Source Group Restrictions.****# 014 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

(b) The permittee shall maintain records of the results of the fuel oil sulfur test on site and make them available upon request.

015 [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.**

(a) A facility that is subject to fuel oil sulfur limits and is using fuel supplier certification to demonstrate compliance, is required to keep records and submit reports containing the following fuel supplier certification information:

(i) For distillate oil:

(1) The name of the oil supplier;

(2) A statement from the oil supplier that the oil complies with the specifications under the definitions of distillate oil in §40 CFR 60.41c;

(3) The sulfur content of the oil.

(b) In addition to the records of fuel supplier certifications, the report shall include a certified statement signed by the permittee that the records of the fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(c) The reporting period for the required reports is each six-month period. The permittee shall include the reporting dates covered in the reporting period. All reports shall be submitted to both the Department and the EPA Administrator and shall be postmarked by the 30th day following the end of the reporting period.

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

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

Each combustion unit in this source group shall be operated and maintained in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.**# 017 [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?**

(a) Pursuant 40 CFR § 63.11195, each boiler of this source group is exempted from the regulatory requirements of 40 CFR 63, Subpart JJJJJJ, as an affected source in the category of "gas-fired boiler".

(b) A "gas-fired boiler" includes any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

(1) "Performance testing" means the collection of data resulting from the execution of a test method used (either by stack testing or fuel analysis) to demonstrate compliance with a relevant emission standard.

(2) A "period of gas curtailment or supply interruption" means a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under

**SECTION E. Source Group Restrictions.**

the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. Onsite gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility.

(c) If a boiler is operated in such a manner that it is no longer meets the definition of a "gas-fired boiler", it must then comply with the applicable requirements of 40 C.F.R. 63, Subpart JJJJJJ.

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 2

Group Description: Emergency Engines

Sources included in this group

ID	Name
105	2,000-EKW EMERGENCY GENERATOR SET 1
106	2,000-EKW EMERGENCY GENERATOR SET 2
107	2,000-EKW EMERGENCY GENERATOR SET 3

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

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

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas does not exceeds 500 part per million, by volume, dry basis.

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

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the engine of each Caterpillar 3516C diesel-fired Emergency Generator set of this source group do not exceed the following rates:

Hydrocarbons (HCs): 0.699 lb/hr, 0.0786 tons per 12-month rolling period, calculated monthly

Nitrogen Oxides (NOx): 35.38 lbs/hr, 3.980 tons per 12-month rolling period, calculated monthly.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal cor**

[Additional authority for this permit condition is also derived from 40 CFR §§ 1039.101 and 60.4202]

The permittee shall ensure that emissions from each Caterpillar 3516C diesel-fired Emergency Generator set of this source group, do not exceed the following rates:

(a) Non-methane Hydrocarbons (NMHC) + Nitrogen Oxides (NOx) 6.4 g/kW-hr (4.77 g/bhp-hr)

(b) Carbon Monoxide (CO) 3.5 g/kW-hr (2.61 g/bhp-hr)

(c) Particulate Matter (PM) 0.20 g/kW-hr (0.15 g/bhp-hr)

Fuel Restriction(s).**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

[Additional authority for this condition is derived from 40 CFR 1039.305]

The permittee shall only use diesel fuel in the Emergency Generators of this source group that meets the following parameters:

(a) Maximum sulfur content of 15 ppm.



SECTION E. Source Group Restrictions.

(b) Diesel fuel must meet one of the following standards:

- (1) A minimum cetane index of 40; or
- (2) A maximum aromatic content of 35 volume percent.

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

Operation Hours Restriction(s).

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

The permittee shall ensure that each Caterpillar 3516C Diesel-Fired Emergency Generator set of this source group is operated in compliance with the following operating hours restrictions:

- (a) A total operating time of less than 225 hours per, year per engine, calculated monthly as a 12-month rolling sum.
- (b) A total operating time of less than or equal to 50 hours per engine per calendar year for non-emergency situations, except that the following operations are prohibited:
 - (1) Peak shaving.
 - (2) Demand response.
 - (3) Supplying power to an electric grid to generate income, or otherwise supplying power as part of a financial arrangement with another entity.
- (c) A total operating time of less than or equal to 100 hours per calendar year, per engine, for the following purposes:
 - (1) Any maintenance, including readiness testing and tune-ups.
 - (2) The non-emergency situations indicated in (b), above.
- (d) If the permittee does not operate each engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for non-emergency engines.

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following testing requirements are applicable to the diesel fuel consumed by each Caterpillar 3561C diesel-fired Emergency Generator listed in this source group:

- (1) The fuel sample shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the permittee shall collect the sample employing the procedures and equipment specified in ASTM Standard D4057 or D4177, as appropriate.
- (2) Unless an alternative method(s) is approved by the Department, in writing, only the following ASTM standards may be used:

Constituent/Property	ASTM Standards
Sulfur Content	D129, D1552, D3227, or D4294
Cetane Index	D613, D976, or D4737
Aromatic Content	D5186 or D5292

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of diesel fuel in the event that the permittee obtains either a laboratory analysis or other certification from the fuel supplier indicating the sulfur content or maximum sulfur content, and cetane index and/or aromatic content, of the diesel fuel.

**SECTION E. Source Group Restrictions.**

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 40 CFR § 60.4212]

If performance testing is conducted on any of the Caterpillar 3516C Diesel-Fired Emergency Generators, performance testing shall be conducted in accordance with 40 CFR § 60.4212, and the permittee shall meet the not-to-exceed (NTE) standards as indicated in § 60.4212.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If the permittee does not install, configure, operate, and maintain each Caterpillar 3516C Diesel-Fired Emergency Generator set of the source group according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as follows:

- (a) The permittee must conduct an initial performance test to demonstrate compliance with Tier 2 emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer.
- (b) The permittee must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter, to demonstrate compliance with Tier 2 emission standards.

III. MONITORING REQUIREMENTS.

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

The permittee shall monitor the following operating parameters for each Caterpillar 3516C Diesel-Fired Emergency Generator set of this source group:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation, on an operating day basis:
 - (1) The hours of operation for each type of operation.
 - (2) The total hours of operation.
- (c) The amount of diesel fuel (gallons) consumed by the engine on a monthly basis.

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

The permittee shall calculate the following emissions from each Caterpillar 3516C Diesel-Fired Emergency Generator set of this source group, using department approved methods:

- (a) The total CO emissions, on a monthly and 12-month rolling basis.
- (b) The total HC emissions, on a monthly and 12-month rolling basis.
- (c) The total NOx emissions, on a monthly, ozone season, and 12-month rolling basis.
- (d) The total PM emissions, on a monthly and 12-month rolling basis.

IV. RECORDKEEPING REQUIREMENTS.

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

The permittee shall maintain records of the following operating parameters for each Caterpillar 3516C Diesel-Fired Emergency Generator set of this source group:

**SECTION E. Source Group Restrictions.**

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation:
- (1) The hours of operation for each type of operation, on an operating day, monthly, and annual basis.
 - (2) The total hours of operation, on an operating day, monthly, and 12-month rolling basis.
- (c) The amount of diesel fuel consumed (gallons) on a monthly and 12-month rolling basis, calculated using a Department-approved method.

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

The permittee shall maintain records of the following emissions from each Caterpillar 3516C Diesel-Fired Emergency Generator set of this source group, calculated using Department-approved methods:

- (a) The total CO emissions, on a monthly and 12-month rolling basis.
- (b) The total HC emissions, on a monthly and 12-month rolling basis.
- (c) The total NOx emissions, on a monthly, ozone season, and 12-month rolling basis.
- (d) The total PM emissions, on a monthly and 12-month rolling basis.

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

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of diesel fuel received for any Caterpillar 3516C Diesel-Fired Emergency Generator listed in this source group. The laboratory analysis or other certification shall specify both of the following:

- (a) The sulfur content or maximum sulfur content (ppm, by weight, or %, by weight).
- (b) Either (or both) of the following:
 - (1) The cetane index.
 - (2) The aromatic content (% , by volume).

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

The permittee shall maintain records of the manufacturer's emission-related written instructions (or operating manual) for each Caterpillar 3561C diesel-fired Emergency Generator listed in this source group.

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

The permittee shall maintain records of all maintenance performed for Caterpillar 3561C diesel-fired Emergency Generator listed in this source group. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance
- (b) The type of maintenance performed.

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

The permittee shall operate and maintain a non-resettable hour meter for each Caterpillar 3516C Diesel-Fired Emergency Generator of this source group.

**SECTION E. Source Group Restrictions.****# 018 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) By October 31 of each year, the permittee shall calculate the difference between the actual NO_x emissions from the engines of the emergency generator sets in this source group (Source IDs 105–107), during the period from May 1 through September 30 (ozone period), and the allowable emissions for the same period.

(b) The permittee shall calculate the allowable NO_x emissions from each engine in this source group (Source IDs 105–107) during the ozone period by multiplying the following values for the respective emergency generator set/engine:

(1) The hours of operation for the respective emergency generator set during the ozone season.

(2) The rated power output (bhp) of the respective engine, of this source group (Source IDs 105–107).

(3) The emission rate of 2.3 grams of NO_x per brake horsepower-hour.

(b) The permittee shall calculate the combined allowable NO_x emissions from the engines of the emergency generator set at the facility during the ozone season by taking the sum of the allowable NO_x emissions values calculated in (a), above.

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

(a) The permittee shall calculate the actual NO_x emissions from each engine of the emergency generator sets (Source IDs 105–107) at this facility during the ozone season by multiplying the following values for the respective emergency generator set/engine:

(1) The hours of operation for the respective emergency generator set during the ozone season.

(2) The hourly NO_x emission rate restriction specified in Condition # 003, Section E, Group 2 of this permit.

(b) As an alternative to the calculation procedure in (a), above, the permittee may calculate the actual NO_x emissions from each engine of the emergency generator sets during the ozone season by using an alternative calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The permittee shall demonstrate that the alternative procedure does not underestimate actual NO_x emissions. In conjunction with the alternative procedure for calculating actual NO_x emissions, the permittee may also request an adjustment to the allowable NO_x emissions calculation procedure specified in Condition # 010(a), Section E, Group 2, of this permit. The adjustment to the allowable NO_x emissions calculation procedure shall be based upon the same emissions testing and correlations with operating parameters proposed in the alternative calculation procedure for actual NO_x emissions, and shall not overestimate allowable NO_x emissions. The alternative calculation and recordkeeping procedure(s) must be approved by the Department, in writing, prior to their implementation.

(c) The permittee shall calculate the combined actual NO_x emissions from the engines of the emergency generator sets at the facility during the ozone season by taking the sum of the actual NO_x emissions values calculated in (a) or (b), above.

020 [25 Pa. Code §129.204]**Emission accountability.**

(a) The permittee shall surrender to the Department one Clean Air Interstate Rule (CAIR) NO_x allowance and one CAIR NO_x Ozone Season allowance, as defined in 40 CFR §§ 96.102 and 96.302, respectively, for each ton of NO_x by which the combined actual NO_x emissions from the engines of the emergency generator sets (Source IDs 105–107) and all other sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at this facility during each ozone season exceed the allowable NO_x emissions from the same sources during the same period. The surrendered NO_x allowances shall be of current year vintage. For the purpose of determining the amount of NO_x allowances to surrender, any remaining fraction of a ton of NO_x equal to or greater than 0.50 tons shall be deemed to equal 1 ton, and any fraction of a ton of NO_x less than 0.50 tons shall be deemed to equal zero tons.

(b) If the combined allowable NO_x emissions for the engines of the emergency generator sets (Source IDs 105–107) and all other sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at this facility during an ozone season exceed the combined actual NO_x emissions from the same sources during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual NO_x emissions from sources subject to the provisions

**SECTION E. Source Group Restrictions.**

of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities (during the same period).

(c) If the combined allowable NO_x emissions for all sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities during an ozone season exceed the combined actual NO_x emissions from the same sources during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual NO_x emissions from the engines of the emergency generator sets or any other sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at this facility (during the same period).

(c) On or before November 1 of each year, the permittee shall surrender the NO_x allowances required in (a), above, to the Department's designated NO_x allowance tracking system account and submit the following information to the Department, in writing:

- (1) The serial number of each NO_x allowance surrendered.
- (2) The calculations used to determine the quantity of NO_x allowances required to be surrendered.

(d) If the permittee does not comply with (b)(1)–(2), above, in a given year, then the permittee shall surrender, on or before December 31 of that year, three NO_x allowances for each NO_x allowance that was required to be surrendered in (b)(1)–(2), above. The surrendered NO_x allowances may be of current or later year vintage.

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

021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

For each Caterpillar 3516C Diesel-Fired Emergency Generator set of this source group the permittee shall comply with the following:

- (a) Configure, operate and maintain each generator set according to the manufacturer's emission-related written instructions;
- (b) Change only those emission-related settings that are permitted by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.

022 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

If any of the Caterpillar 3516C diesel-fired Emergency Generator set of this source group operates for the purpose specified in § 60.4211(f)(3)(i), the permittee shall submit an annual report according to the requirements below:

- (1) The report must contain the following information:

**SECTION E. Source Group Restrictions.**

- (i) Company name and address where the engine is located.
- (ii) Date of the report and beginning and ending dates of the reporting period.
- (iii) Engine site rating and model year.
- (iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- (v) Hours spent for operation for the purposes specified in § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 60.4.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

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

Am I subject to this subpart?

(a) Pursuant 40 CFR § 63.6585(c), new emergency stationary RICE located at an area source of HAP emissions are subject to the requirements of 40 CFR 63 Subpart ZZZZ.

(b) Grand View Hospital (GVH) is not a major source of hazardous air pollutants (HAPs) emissions. The emergency engines of this source group (Source IDs: 105; 106; and 107) are categorized as new emergency stationary RICE at an area source of HAP emissions since were installed after April 1, 2006. Therefore, Source subject to the provisions of 40 CFR 63 Subpart ZZZZ.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
031A	BOILER 1 (LOW-NOX BURNER)		
Emission Limit		Pollutant	
300.000	PPMV	Corrected to 3% O2	CO
30.000	PPMV	Corrected to 3% O2, when firing natural gas	NOX
108.000	PPMV	Corrected to 3% O2, when firing No. 2 fuel oil	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
032A	BOILER 2 (LOW-NOX BURNER)		
Emission Limit		Pollutant	
300.000	PPMV	Corrected to 3% O2	CO
30.000	PPMV	Corrected to 3% O2, when firing natural gas	NOX
108.000	PPMV	Corrected to 3% O2, when firing No. 2 fuel oil	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
033A	BOILER 3 (LOW-NOX BURNER)		
Emission Limit		Pollutant	
300.000	PPMV	Corrected to 3% O2	CO
30.000	PPMV	Corrected to 3% O2, when firing natural gas	NOX
108.000	PPMV	Corrected to 3% O2, when firing No. 2 fuel oil	NOX
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU	particulate matter	TSP
105	2,000-EKW EMERGENCY GENERATOR SET 1		
Emission Limit		Pollutant	
0.218	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	CO
1.940	Lbs/Hr	From the Engine	CO
2.610	GRAMS/HP-Hr	Brake-Specific; From the Engine	CO
3.500	GRAMS/KW-Hr	Brake-Specific; From the Engine	CO
0.079	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	Hydrocarbon
0.699	Lbs/Hr	From the Engine	Hydrocarbon
3.980	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	NOX
35.380	Lbs/Hr	From the Engine	NOX
4.770	GRAMS/HP-Hr	Brake-Specific; From the Engine	NOx+NMHC
6.400	GRAMS/KW-Hr	Brake-Specific; From the Engine	NOx+NMHC
0.019	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	TSP
0.150	GRAMS/HP-Hr	Brake-Specific; From the Engine	TSP
0.166	Lbs/Hr	From the Engine	TSP
0.200	GRAMS/KW-Hr	Brake-Specific; From the Engine	TSP
106	2,000-EKW EMERGENCY GENERATOR SET 2		
Emission Limit		Pollutant	
0.218	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	CO
1.940	Lbs/Hr	From the Engine	CO
2.610	GRAMS/HP-Hr	Brake-Specific; From the Engine	CO

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
3.500	GRAMS/KW-Hr	Brake-Specific; From the Engine	CO
0.079	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	Hydrocarbon
0.699	Lbs/Hr	From the Engine	Hydrocarbon
3.980	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	NOX
35.380	Lbs/Hr	From the Engine	NOX
4.770	GRAMS/HP-Hr	Brake-Specific; From the Engine	NOx+NMHC
6.400	GRAMS/KW-Hr	Brake-Specific; From the Engine	NOx+NMHC
0.019	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	TSP
0.150	GRAMS/HP-Hr	Brake-Specific; From the Engine	TSP
0.166	Lbs/Hr	From the Engine	TSP
0.200	GRAMS/KW-Hr	Brake-Specific; From the Engine	TSP
107	2,000-EKW EMERGENCY GENERATOR SET 3		
Emission Limit		Pollutant	
0.218	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	CO
1.940	Lbs/Hr	From the Engine	CO
2.610	GRAMS/HP-Hr	Brake-Specific; From the Engine	CO
3.500	GRAMS/KW-Hr	Brake-Specific; From the Engine	CO
0.079	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	Hydrocarbon
0.699	Lbs/Hr	From the Engine	Hydrocarbon
3.980	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	NOX
35.380	Lbs/Hr	From the Engine	NOX
4.770	GRAMS/HP-Hr	Brake-Specific; From the Engine	NOx+NMHC
6.400	GRAMS/KW-Hr	Brake-Specific; From the Engine	NOx+NMHC
0.019	Tons/Yr	12-Month Rolling Sum, Calculated Monthly;	TSP
0.150	GRAMS/HP-Hr	Brake-Specific; From the Engine	TSP
0.166	Lbs/Hr	From the Engine	TSP
0.200	GRAMS/KW-Hr	Brake-Specific; From the Engine	TSP

Site Emission Restriction Summary

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

**SECTION H. Miscellaneous.**

(a) The following previously issued Operating Permit and Plan Approval serves as the basis for certain terms and conditions set forth in this The Synthetic Minor State-Only Operating Permit No.09-00084 (APS ID: 346859, Auth ID: 355655):

(1) NMOP-09-00084

(2) Plan Approval PA-09-0084 (Diesel-fired Emergency Generators)

(b) The State-Only Operating Permit No. 09-00084 (APS ID: 346859, Auth ID: 709911) has been renewed.

(c) The following changes have been made to the renewed State Only Operating Permit 09-00084:

(1) Cover/Title Page: Changed names and titles of the Responsible Official and the Permit Contact Person.

(2) Sections A and D, Sources 031, 032, 033, and 034: Revised the #2 fuel oil throughput values for these sources.

(3) Section A, Source 101: Included a heat input capacity value (8.3 MMBtu/hr) for this source.

(4) Section C, Condition #002: Deleted paragraph (b). Removed paragraph (c) and included it as a separate Work Practice Standard requirement (Condition #017).

(5) Section C, Condition #007: Deleted this stack testing requirement for the boilers.

(6) Section C, Condition #014 (now Condition #013): Included the current telephone number for the Regional Office.

(7) Section C, Condition #014: Included new reporting requirement for the development and implementation of an accidental release program and risk management plan, if required.

(8) Section C, Condition #015: Included new reporting requirement for submission of report format thirty (30) days after permit reissuance.

(9) Section C, Condition #016: Included the current revised regulatory language for 25 Pa. Code § 135.5.

(10) Section D, Sources 031, 032, 033, and 034, Condition #001: Revised the regulatory language for 25 Pa. Code § 123.11 to require compliance of the emission limit for filterable particulate matter, as measured by EPA Reference Method 5.

(11) Section D, Sources 031, 032, 033, and 034, Condition #005: Revised the restriction classification for the natural gas and #2 fuel oil throughput restriction.

(12) Section D, Source 101, Condition #001: Revised the regulatory language for 25 Pa. Code § 123.13 to require compliance of the emission limit for filterable particulate matter, as measured by EPA Reference Method 5.

(13) Section D, Source 101, Condition #003 (now Condition #004): Revised the restriction classification for the #2 fuel oil throughput restriction.

(14) Section D, Source 101, Condition #008: Included the regulatory requirement of 25 Pa. Code § 129.203 for estimating the difference between the actual and allowable emissions during ozone season, using the applicable emission rates for compression or spark ignition engines.

(15) Section D, Source 101, Condition #009: Included the regulatory requirement pertaining to emission accountability for exceeding the allowable emission limits for the generators.

(16) Section D, Source 101, Condition #010: Included the regulatory requirement for calculating actual NO_x emissions based on test data or EPA emission factors.

(17) Section F, Sources 031, 032, 033, 034, and 101: Changed the pollutant symbol for particulate matter from 'P000' to 'TSP'.

(d) State Only Operating Permit 09-00084 (APS ID: 346859, Auth ID: 842548) has been administratively amended to incorporate conditions from Plan Approval 09-0084A.

**SECTION H. Miscellaneous.**

(e) The State-Only Operating Permit No. 09-00084 (APS ID: 346859, Auth ID: 909819) has been administratively amended to correct the natural gas throughput limit for the boilers to 175,000 dekatherm (175 million cu. ft.) and to update the information for the Permit Contact Person.

(f) The State-Only Operating Permit No. 09-00084 (APS ID: 346859, Auth ID: 987225) has been renewed.

(g) GVH has removed two (2) 3M, model 4XL ethylene oxide sterilizers (Source ID: 104) from the facility

(h) Treansport Rule Allowance Retirement Option for Excess Nitrous Oxide emissions under 25 Pa. Code §§ 129.210 - 129.205, Nonelectric Generating Units Subject to 25 Pa. Code § 145.8(d), Stationary Internal Combustion Units Subject to 25 Pa. Code §§ 145.111 - 145.113 and Portland Cement Kilns Subject to 25 Pa. Code §§ 145.141 - 145.146.

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

(i) The State-Only Operating Permit No. 09-00084 (APS ID: 346859, Auth ID: 1238880) has been renewed.

September 2023

AUTH ID 1450426; APS No. 346859; PF ID 493749

The operating permit is administratively amended in order to incorporate the requirements of Plan Approval 09-0084B. The amended permit includes the following changes

The current NOx emission rate restriction for the facility, as indicated in Condition # 007, Section C, of State Only Operating Permit (SOOP) No. 09-00084, is less than 24.9 tpy. DEP revised the NOx emission rate restriction for the facility to less than 25 tpy (PA 09-0084B Section, Condition # 001). NOx emission from PA 09-0084B was incorporated into this amended permit under SMOP 09-00084 Section C, Condition #008.

Conditions #029 and #030 were removed from the permit.

The following sources were removed from the Section D of the permit: 034, 101 and 102A.

Conditions for Source IDs 031A, 032A and 033A have been grouped and moved to Section E, Group 1 of this amended permit. The following changes to regulatory references were also made:

Section D Source IDs 031A, 032A and 034A Condition #12: The regulatory reference is corrected to 40 CFR § 60.48c under Section E, Group 1, Condition #012.

Section D Source IDs 031A, 032A and 034A Condition #13: The regulatory reference is corrected to 40 CFR § 60.48c under Section E, Group 1, Condition #015.

Specification for the burner in Boiler 4 has been updated. Source ID 034 has been renamed as Source ID 034A to reflect the change.

References to Source ID 034 in the aggregated throughput limits for natural gas and fuel oil in was replaced with Source ID 034A in the amended permit (Section D, Source ID 034A, Conditions #006 and Section E, Group 1, Condition #006 and Section).
Applicable

No. 2 fuel oil sulfur limitations of 25 Pa. Code Section 123.22, as amended on has been added to Section D, Source ID 034A and Section E, Group 1.

**SECTION H. Miscellaneous.**

April 2024

AUTH ID 1452411; APS No. 346859; PF ID 493749 This action is for a permit renewal. The following issues has been addressed:

- A) Old Condition #007, Section C was removed from the permit. The facility is categorized as a natural minor source for HAP.
- B) One (1) 300kW emergency generator installed under RFD # 8357 has been removed from the facility.
- C) Condition #016, Section D, Source ID 034 has been updated to reflect the correct maximum capacity for Source ID 034 of 14.7 MMBtu/hr.

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:

1. Three (3) steam-to-water heater exchangers – steam from the heat exchangers are generated from the boilers.
2. Four (4) electric chillers, each capable of producing 750 tons of cooling.
3. Four (4) cooling towers (one for each chiller).
4. One (1) parts washer
5. One (1) 10, 000-gallon No.2 Fuel Oil UST - used to store fuel oil for the boilers.
6. One (1) 15, 000-gallon No.2 Fuel Oil UST - used to store fuel oil for the boilers.
7. Three (3) 15, 300-gallon diesel fuel AST - sub-base storage for each generator set.



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