



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

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: September 25, 2023

Effective Date: September 25, 2023

Expiration Date: September 24, 2028

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

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

State Only Permit No: 46-00007

Synthetic Minor

Federal Tax Id - Plant Code: 23-1534300-1

Owner Information

Name: HOLY REDEEMER HOSP & MED CTR

Mailing Address: 1648 HUNTINGDON PIKE
MEADOWBROOK, PA 19046-8001

Plant Information

Plant: HOLY REDEEMER HOSP & MED CTR/ABINGTON

Location: 46 Montgomery County 46001 Abington Township

SIC Code: 8062 Services - General Medical And Surgical Hospitals

Responsible Official

Name: ANDREW LISTMAN

Title: DIR ENGR & MAINTENANCE

Phone: (215) 938 - 5606

Email: alistman@holyredeemer.com

Permit Contact Person

Name: ANDREW LISTMAN

Title: DIR ENGR & MAINTENANCE

Phone: (215) 938 - 5606

Email: alistman@holyredeemer.com

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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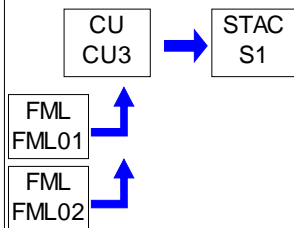
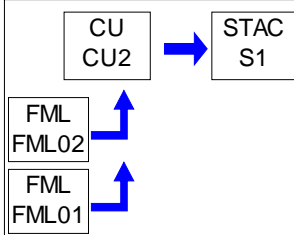
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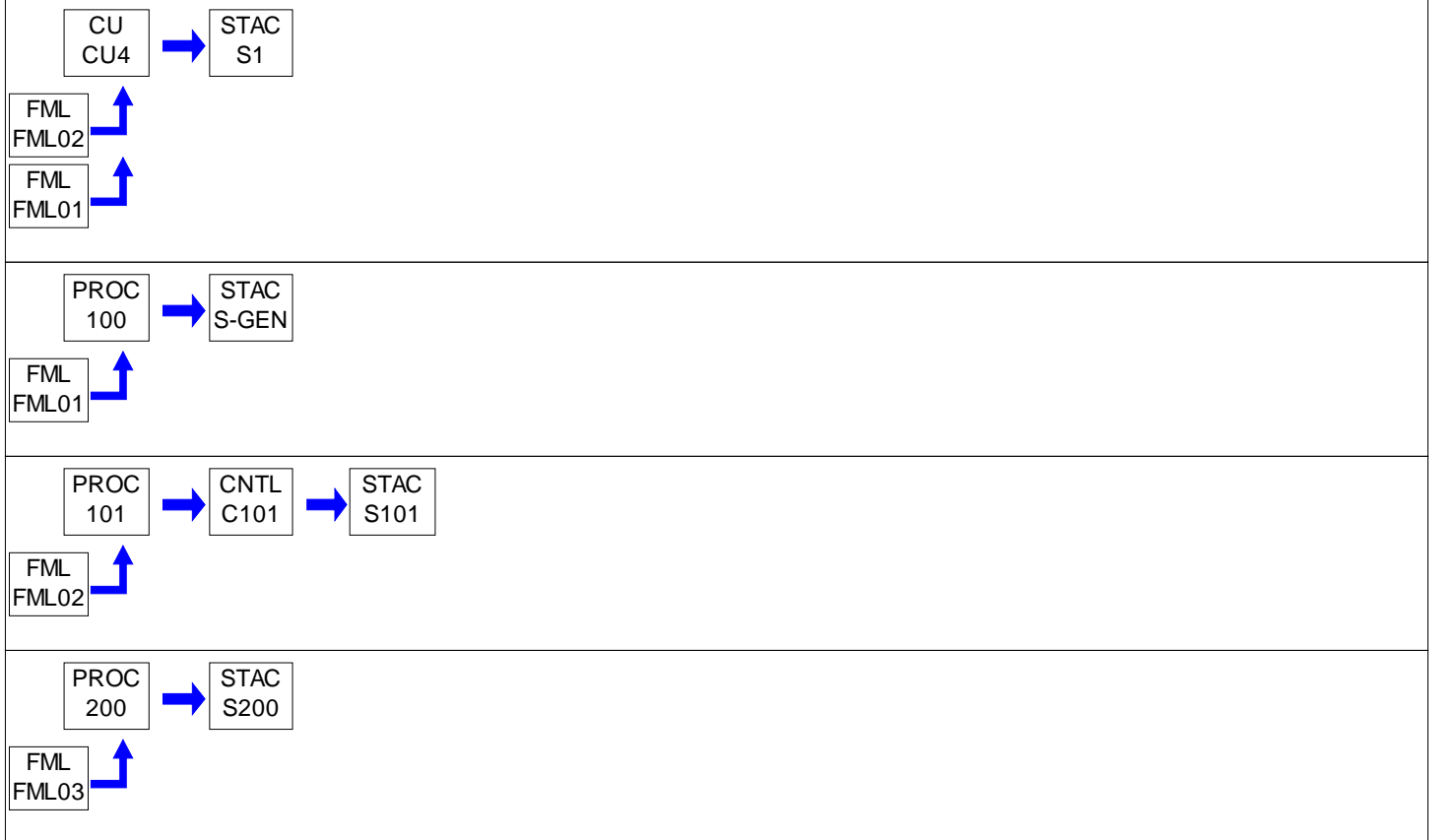
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
CU2	BOILER 2	12.500 MMBTU/HR	
		87.478 Gal/HR	#2 Oil
		12.247 MCF/HR	Natural Gas
CU3	BOILER 3	20.400 MMBTU/HR	
		145.714 Gal/HR	#2 Oil
		20.400 MCF/HR	Natural Gas
CU4	BOILER 4	12.250 MMBTU/HR	
		12.247 MCF/HR	Natural Gas
		87.479 Gal/HR	#2 Oil
100	GENERATORS 3 & 4	70.900 Gal/HR	#2 Oil
101	COGENERATION GENERATOR SYSTEM	19.340 MMBTU/HR	
200	EMERGENCY GENERATOR NO. 5	5.540 MMBTU/HR	
		40.000 Gal/HR	Diesel Fuel
C101	OXIDATION CATALYST FOR COGEN SYSTEM		
FML01	20,000 GALLON OIL TANK		
FML02	NATURAL GAS LINE		
FML03	ULTRA-LOW SULFUR DIESEL		
S-GEN	GENERATOR STACKS (2 TOTAL)		
S1	COMMON BOILER STACK		
S101	COGEN SYSTEM STACK		
S200	EMERGENCY GENERATOR NO. 5 STACK		

PERMIT MAPS



PERMIT MAPS



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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_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:

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) construction or demolition of buildings or structures;
- (b) grading, paving and maintenance of roads and streets;
- (c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;
- (d) clearing of land;
- (e) stockpiling of materials;
- (f) open burning operations, as specified in 25 Pa. Code § 129.14;
- (g) N/A
- (h) N/A
- (i) sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) the emissions are of minor significance with respect to causing air pollution; and
 - (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

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

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

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

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

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

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

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

The limitations of Condition #005, of this Section, shall not apply to a visible emission in any of the following instances:

- (a). When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b). When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c). When the emission results from the sources specified in Condition #002, of this Section.

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

The permittee shall limit the amount of nitrogen oxide emissions from this facility to less than 25 tons per 12-month rolling period.

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

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

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

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

- (a). If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, 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, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

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

**SECTION C. Site Level Requirements**

- (1) be investigated;
 - (2) be reported to the facility management, or individual(s) designated by the permittee;
 - (3) have appropriate corrective action taken (for emissions that originate on-site); and
 - (4) be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

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

- (a). The permittee shall calculate and record the total amount of NO_x produced by each source listed in this permit on a monthly and a 12-month rolling basis.
- (b). The permittee shall keep the records collected in paragraph (a) for a period of five (5) years, and these records shall be made available to the Department upon request.

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

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

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

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

The permittee shall maintain a record of all reports of fugitive emissions, visible emissions and odors that the Department may consider to be malodors. The report 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.

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

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold

**SECTION C. Site Level Requirements**

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.

016 [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;

**SECTION C. Site Level Requirements**

- (4) Expected duration of excess emissions;
 (5) Estimated rate of emissions; and
 (6) Corrective actions or preventative measures taken.
- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.
- (e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.
- (f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.
- (g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

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

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

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

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

The permittee shall operate and maintain all sources listed in this permit in accordance with manufacturers' specifications and good air pollution control practices.

019 [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 Section A, of 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.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 61.145.]

In the event that the permittee performs any demolition/renovation of asbestos containing material, as defined in 40 C.F.R.

**SECTION C. Site Level Requirements**

61, Subpart M, for which advance notification is required pursuant to such regulations, then the permittee shall provide the Department with notification prior to any such demolition/renovation in accordance with the notification provisions of 40 C.F.R. 61, Subpart M.

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

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

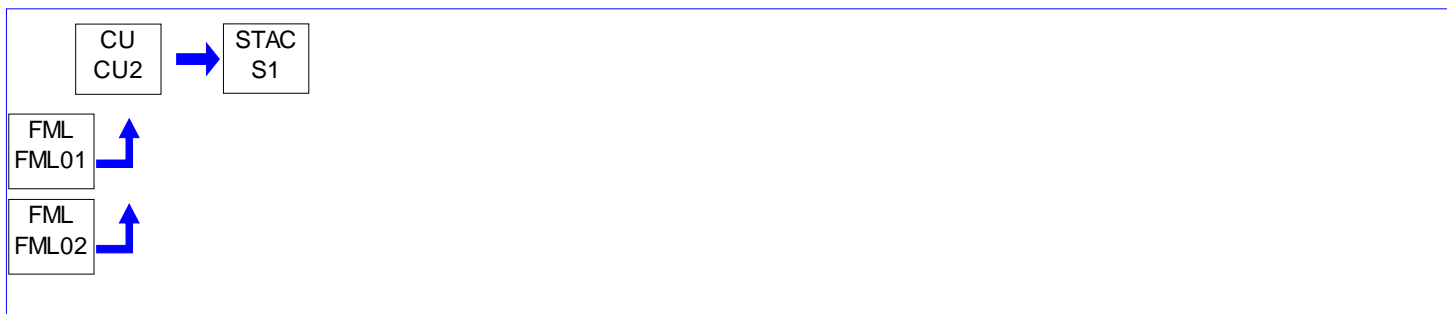
**SECTION D. Source Level Requirements**

Source ID: CU2

Source Name: BOILER 2

Source Capacity/Throughput:	12.500	MMBTU/HR	
	87.478	Gal/HR	#2 Oil
	12.247	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: BOILER

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not exceed the following hourly and annual limits for this source:

- (a). Particulate Matter: 0.18 lb/hr; 0.79 tons per year.
- (b). Sulfur Oxides: 2.58 lbs/hr; 11.27 tons per year.
- (c). Carbon Monoxide: 0.45 lb/hr; 1.96 tons per year.

[Compliance with the above limits for particulate matter and sulfur oxide emissions also demonstrates compliance with the applicable limits of 25 Pa. Code §§ 123.11 and 123.22(e)(1) respectively.]

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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID No. CU2 applies to the Cleaver Brooks 300 hp Boiler, Model No. CB-400-300. Note: This boiler is labeled "Boiler #1" for inspections performed by Labor and Industry.

**SECTION D. Source Level Requirements**

Source ID: CU3

Source Name: BOILER 3

Source Capacity/Throughput:	20.400	MMBTU/HR	
	145.714	Gal/HR	#2 Oil
	20.400	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: BOILER

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

The permittee shall not exceed the following hourly and annual limits for this source:

- (a). Particulate Matter: 0.29 lb/hr; 1.28 tons per year.
- (b). Sulfur Oxides: 4.20 lbs/hr; 18.38 tons per year.
- (c). Carbon Monoxide: 0.73 lb/hr; 3.19 tons per year.

[Compliance with the above limits for particulate matter and sulfur oxide emissions also demonstrates compliance with the applicable limits of 25 Pa. Code §§ 123.11 and 123.22(e)(1) respectively.]

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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID No. CU3 applies to the Cleaver Brooks 500 hp Boiler, Model No. CB-500. Note: This boiler is labeled "Boiler #2" for inspections performed by Labor and Industry.

**SECTION D. Source Level Requirements**

Source ID: CU4

Source Name: BOILER 4

Source Capacity/Throughput: 12.250 MMBTU/HR

12.247 MCF/HR

Natural Gas

87.479 Gal/HR

#2 Oil

**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 1.0 pound 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 limit the emissions of nitrogen oxides (NO_x) and carbon monoxide (CO) as follows from this boiler:

- (a). 30 ppm_{dv} NO_x at 3% Oxygen when firing natural gas;
- (b). 90 ppm_{dv} NO_x at 3% Oxygen when firing No. 2 Fuel Oil; and
- (c). 300 ppm_{dv} CO at 3% Oxygen for any fuel.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined emissions of nitrogen oxides from Source ID Nos. CU2, CU3, and CU4 shall be limited to 12.78 tons per year on a 12-month rolling basis.

Fuel Restriction(s).

005 [25 Pa. Code §123.22]

Combustion units

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

[Compliance with the sulfur in fuel content limit above also demonstrates compliance with the applicable requirement for fuel sulfur content in 40 C.F.R. § 60.42c(d) and 25 Pa. Code § 123.22(e)(1) when firing No. 2 Fuel Oil.]

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

(a). The primary fuel for use in this source shall be natural gas. No. 2 Fuel Oil shall only be used in this source for the following events, as defined in 40 C.F.R. § 63.11237:

- (1). Periods of gas curtailment where the supply of natural gas is halted for reasons that are beyond the control of the facility.
- (2). Gas supply emergencies.
- (3). Periodic Testing of this boiler on No. 2 Fuel Oil. The period of testing shall not exceed a combined total of 48 hours in a calendar year.

(b). The primary fuel may be switched in accordance with 40 C.F.R. § 63.11225(g), and all applicable requirements of 40 C.F.R. Part 63, Subpart JJJJJJ may apply to this source. In switching fuels, this boiler will be considered a new boiler in respect to the requirements of 40 C.F.R. Part 63, Subpart JJJJJJ.

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

(a). The total amount of natural gas used by Source ID Nos. CU2, CU3, and CU4 shall never exceed one hundred eighty-three (183) MMSCF per year on a 12-month rolling basis.

(b). The total amount of No. 2 Fuel Oil used by Source ID Nos. CU2, CU3, and CU4 shall never exceed 1,278,000 gallons per year on a 12-month rolling basis.

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

The permittee shall submit, upon Department request, samples of the fuel oil used by this source.

009 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

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

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

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

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

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

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.48c(g).]

The permittee shall monitor the following for this source on a monthly basis when this source is in operation:

- (a). The type of fuel consumed by this source.
- (b). The amount of each fuel that is consumed by this source.
- (c). The number of hours of operation for this source for each type of fuel used in this source.
- (d). The reason (normal operation, gas curtailment, gas supply emergency, or periodic testing) for which the type of fuel was used.

[Compliance with the condition above also demonstrates compliance with the applicable requirements of 40 C.F.R. § 60.48c(g).]

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

The permittee shall keep manufacturer's data that demonstrates the compliance of this boiler with the applicable limits on NOx and CO concentration in the exhaust from this boiler.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.48c(g).]

(a). The permittee shall record the following for this source on a monthly basis when this source is in operation:

- (1). The type of fuel consumed by this source.
- (2). The amount of each fuel that is consumed by this source.
- (3). The number of hours of operation for this source for each type of fuel used in this source.
- (4). The reason (normal operation, gas curtailment, gas supply emergency, or periodic testing) for which the type of fuel was used.

(b). On a monthly basis, the permittee shall calculate and record the emissions of particulate matter, sulfur dioxide, and nitrogen oxides in a manner that demonstrates compliance with the applicable emission limits of this permit. If the permittee can demonstrate through a calculation that the particulate matter and sulfur dioxide emissions will not exceed the limits in this permit, then the permittee may keep a record of the calculation(s) on file as an alternative for demonstrating compliance with the applicable limits for this source.

(c). The permittee shall calculate, compile, and record the total amount of each fuel used in Source ID Nos. CU2, CU3, and CU4 on a 12-month rolling basis.

(d). The data obtained in paragraphs (a), (b), and (c) of this condition shall be kept on file for a period of five (5) years, and the records shall be made available to the Department upon request.

[Compliance with paragraph (a) above also demonstrates compliance with the applicable requirements of 40 C.F.R. § 60.48c(g).]

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

(a). The permittee shall keep records of certified fuel receipts or testing results for the sulfur content of the fuel for each delivery of No. 2 Fuel Oil to the facility. Certifications of sulfur content from the fuel supplier shall include, but is not limited to,

**SECTION D. Source Level Requirements**

the following information:

- (1). The name of the fuel supplier;
 - (2). A statement from the fuel supplier that the oil complies with the specifications under the definition of distillate oil in 40 C.F.R. § 60.41c;
 - (3). The sulfur content or maximum sulfur content of the oil.
- (b). The data collected for paragraph (a) above shall be kept on file for a period of five (5) years, and the records shall be made available to the Department upon request.

[Compliance with the condition above also demonstrates compliance with the applicable requirements of 40 C.F.R. §§ 60.44c(h), 60.46c(e), and 60.48c(f).]

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.48c.]

The permittee shall keep records on file for all notifications submitted to the U.S. EPA and the Department in compliance with the requirements of 40 C.F.R. Part 60, Subpart Dc.

V. REPORTING REQUIREMENTS.**# 015 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.48c(d), (e), and (j).]

- (a). The permittee shall submit semi-annual reports to the U.S. EPA and the Department in the following manner:
- (1). For each period between January 1 to June 30, the permittee shall submit reports for the 6 month period to the U.S. EPA and the Department no later than July 30 after the reporting period.
 - (2). For each period between July 1 and December 31, the permittee shall submit reports for the 6 month period to the U.S. EPA and the Department no later than January 30 after the reporting period.
- (b). The reports in paragraph (a) above shall include, but is not limited to, the following:
- (1). The calendar dates in the reporting period;
 - (2). Supplier certifications of sulfur content or result of testing the fuel for sulfur content;
 - (3). Records of the use of each fuel during the reporting period;
 - (4). Periods of data exclusion, with reasons for exclusion of data; and
 - (5). Any calculations of emissions or averages of data taken, reasons for non-compliance with applicable standards, and any corrective actions taken.
- (c). Pursuant to 40 C.F.R. § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both the U.S. EPA and the appropriate Regional Office of the Department. Copies to the U.S. EPA shall be forwarded to:

Air Enforcement Branch
Mail Code 3AP12 US EPA, Region III
1650 Arch Street Philadelphia PA 19103-2029

Copies to the Department shall be forwarded to:

PA Department of Environmental Protection

**SECTION D. Source Level Requirements**

Southeast Regional Office
Bureau of Air Quality
2 East Main Street
Norristown, PA 19401

VI. WORK PRACTICE REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Meters shall be placed on the natural gas supply and the No. 2 Fuel Oil supply to monitor and record the total amount of each fuel that is consumed by Source ID Nos. CU2, CU3, and CU4.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this source in accordance with manufacturer's specifications, and good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

Source ID: 100

Source Name: GENERATORS 3 & 4

Source Capacity/Throughput: 70.900 Gal/HR #2 Oil

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from each emergency generator listed under this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

The permittee shall limit the emissions of nitrogen oxides from the emergency generators listed under Source ID No. 100 to the following:

- (a). Generator No. 3 - 4.15 tons of nitrogen oxides per 12-month rolling period.
- (b). Generator No. 4 - 5.18 tons of nitrogen oxides per 12-month rolling period.

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

Each generator listed under Source ID No. 100 shall only burn No. 2 Fuel Oil to which there has been no reclaimed or waste oil or other waste material added.

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

The sulfur content of the No. 2 Fuel Oil used in this source shall not exceed 0.2 percent by weight.

[Compliance with the above limit on sulfur content of the fuel also demonstrates compliance with the applicable requirements of 25 Pa. Code § 123.21.]

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

The permittee shall limit the operation for each emergency generator listed under this source to 500 hours per 12-month rolling period.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

The permittee shall monitor the following for each emergency generator listed under this source:

(a). The date and startup time for each generator.

(b). The date and shutdown time for each generator.

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

(a). The permittee shall keep records of the following for this source.

(1). The date and startup time for each generator.

(2). The date and shutdown time for each generator.

(3). The power output in brake horsepower for each generator.

(b). The permittee shall calculate and record the emissions of sulfur dioxide and nitrogen oxides in a manner that demonstrates compliance with the emission limits listed in this permit for this source. In the case of the sulfur dioxide limit, which is concentration based, the permittee may determine through a calculation if the generators are in compliance. If the generators are in compliance, then the permittee shall keep a record of the calculation on file.

(c). The data collected for this source shall be kept on file for a period of five (5) years, and the records shall be made available to the Department upon request.

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

The permittee shall keep delivery receipts or test results of the sulfur content of the fuel for each delivery of No. 2 Fuel Oil made to the facility.

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

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

VI. WORK PRACTICE REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the equipment listed under this source in accordance with manufacturer's specifications and good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following emergency generators are included under Source ID No. 100:

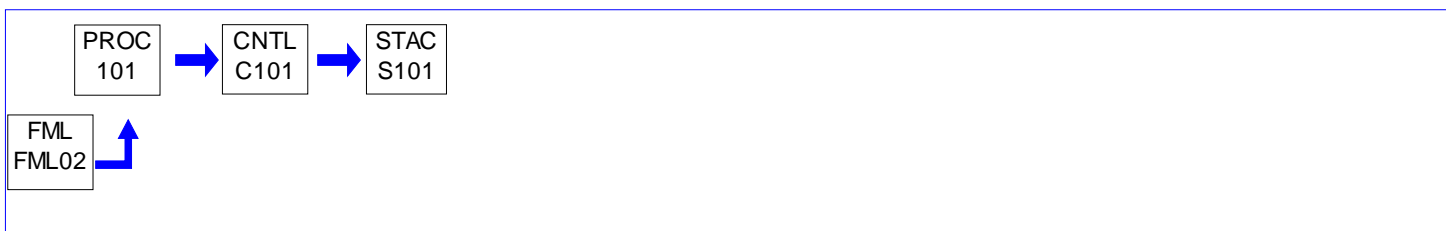
- (a). Generator No. 3 - 400 kW Kohler Generator, Model No. 400R0Z71.
- (b). Generator No. 4 - 500 kW Detroit Diesel Generator, Model No. 500DS60.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: COGENERATION GENERATOR SYSTEM

Source Capacity/Throughput: 19.340 MMBTU/HR

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

(a). Nitrogen Oxides (NO_x) = 16.37 tons per year on a 12-month rolling sum basis.

(b). Carbon Monoxide (CO) = 27.56 tons per year on a 12-month rolling sum basis.

(c). Volatile Organic Compounds (as Non-Methane Hydrocarbons, except Formaldehyde) = 9.55 tons per year on a 12-month rolling sum basis.

(d). Sulfur Oxides (SO_x) = 0.0114 pounds per hour and 0.05 tons per year on a 12-month rolling sum basis.

(e). Particulate Matter (PM) = 0.06 grams per brake horsepower - hour (as demonstrated through performance testing) and 1.64 tons per year on a 12-month rolling sum basis.

(f). Formaldehyde = 0.34 grams per horsepower - hour (as demonstrated through performance testing) and 7.09 tons per year on a 12-month rolling sum basis.

[Compliance with paragraphs (d) and (e) above also demonstrates compliance with the applicable requirements of 25 Pa. Code §§ 123.13(c)(1)(i) and 123.21 respectively.]

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.4233(e) and 60.4234.]

(a). For stationary Spark Ignition Internal Combustion Engines (SI ICE) with a maximum engine power greater than or equal to 500 hp (except gasoline and rich burn engines that use LPG) and manufactured after July 1, 2010, the owner or operator shall comply with the following emission standards:

(1). Nitrogen Oxides: 1.0 gram per horsepower - hour or 82 ppmvd at 15% oxygen.

(2). Carbon Monoxide: 2.0 grams per horsepower - hour or 270 ppmvd at 15% oxygen.

(3). Volatile Organic Compounds, excluding formaldehyde: 0.7 grams per horsepower-hour or 60 ppmvd at 15% oxygen.

(b). Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in paragraph (a) above over the entire life of the engine.

[Compliance with the above requirement also demonstrates compliance with the applicable requirements of 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

**SECTION D. Source Level Requirements****Control Device Efficiency Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The oxidation catalyst unit (Source ID No. C101) shall reduce pollutant emissions from Source ID No. 101 as follows:

- (a). Volatile Organic Compounds (Non-methane Hydrocarbons, except Formaldehyde) - control efficiency of 66.7 percent.
- (b). Carbon Monoxide - control efficiency of 90 percent.
- (c). Formaldehyde - control efficiency of 90 percent.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.8 and 60.4244.]

- (a). The owner or operator shall perform a stack test using the Department-approved procedures and the requirements of 40 C.F.R. § 60.8, to show compliance with the emission limits for nitrogen oxides (NO_x), volatile organic compounds (except formaldehyde), formaldehyde, and carbon monoxide (CO) for the source.
- (b). At least ninety (90) days prior to the test, the owner or operator shall submit to the Administrator and the Department and the for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c). Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the applicable requirements in 25 Pa. Code Chapter 139, in 40 C.F.R. § 60.8, and in the specific conditions that are specified by Table 2 of 40 C.F.R. Part 60, Subpart JJJJ.
- (d). At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (e). Within sixty (60) days after the source test(s), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (f). In the event that any of the above deadlines cannot be met, the owner or operator may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

The initial performance test was conducted on March 12, 2014.

005 [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.

**SECTION D. Source Level Requirements**

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:

- a. Operating permit number
- b. Applicable federal subpart(s) (i.e. 40 CFR 60, Subpart JJJJ)

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

The owner or operator shall monitor the hours of operation for this source on a monthly basis.

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

The owner or operator shall monitor the temperature of the exhaust gas entering the oxidation catalyst unit (Source ID No. C101) continuously when this source is in operation.

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

The owner or operator shall monitor the pressure drop across the oxidation catalyst at least on a daily basis when this source is in operation.

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

[Additional authority for this condition is also derived from 40 C.F.R. §§ 60.4243(b)(2)(ii) and 60.4245(a)(2).]

The owner or operator shall keep records of conducted maintenance on this source. The records shall include, but are not limited to, the date and time of maintenance, a description of the maintenance performed, and a description of any corrective action taken.

[Compliance with the above requirement also demonstrates compliance with the applicable requirements of 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

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

[Additional authority for this condition is also derived from 40 C.F.R. § 60.4245(a)(1).]

The owner or operator shall keep records of all notifications submitted to comply with 40 C.F.R. Part 60, Subpart JJJJ and all documentation supporting any notification.

**SECTION D. Source Level Requirements**

[Compliance with the above requirement also demonstrates compliance with the applicable requirements of 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

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

[Additional authority for this condition is also derived from 40 C.F.R. § 60.4245(b).]

The owner or operator shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter.

[Compliance with the above requirement also demonstrates compliance with the applicable requirements of 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

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

The owner or operator shall keep records of hours of operation for this source on a monthly basis and on a 12-month rolling sum basis

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

The owner or operator of this source shall estimate and record emissions of nitrogen oxides, carbon monoxide, volatile organic compounds, sulfur dioxide, particulate matter, and formaldehyde on a monthly and 12-month rolling sum basis. The emissions of each pollutant shall be estimated using the emission rates determined using the latest performance test on this source and its associated oxidation catalyst unit. For pollutants not tested, manufacturer's data or EPA AP-42 emission factors will be used.

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

The owner or operator shall keep records of all performance testing for this source on file to demonstrate compliance with the limits for nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (excluding formaldehyde), formaldehyde.

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

The owner or operator shall keep records of any calculations performed to demonstrate compliance with the hourly emission limits for sulfur dioxide emissions.

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

The owner or operator shall keep records of the temperature of the exhaust gas entering the oxidation catalyst unit (Source ID No. C101) daily when this source is in operation. The Department retains the right to revise the frequency of recordkeeping.

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

The owner or operator shall keep records of the pressure drop across the oxidation catalyst at least on a daily basis when this source is in operation.

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

The owner or operator shall keep records of each event when the backpressure alarm and/or the high temperature alarm associated with the oxidation catalyst unit (Source ID No. C101) is triggered. These alarms are logged by exception. The records shall include the date and time of the incident, a description of the problem that triggered the alarm, and any corrective action taken.

**SECTION D. Source Level Requirements****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The owner or operator shall keep records of the hours of operation when this source is operating without the oxidation catalyst due to the manufacturer's recommended 50 hour conditioning period to burn off residual oils in the exhaust system. The records of hours of operation shall include a description and/or reason for operation without the oxidation catalyst.

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

[Additional authority for this condition is also derived from 40 C.F.R. § 60.4245(c).]

Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in 40 C.F.R. § 60.4231 must submit an initial notification as required in 40 C.F.R. § 60.7(a)(1). The notification must include the following information:

- (a). Name and address of the owner or operator;
- (b). The address of the affected source;
- (c). Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
- (d). Emission control equipment; and
- (e). Fuel used.

[Compliance with the above requirement also demonstrates compliance with the applicable requirements of 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

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

[Additional authority for this condition is also derived from 40 C.F.R. § 60.4245(d).]

Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in 40 C.F.R. § 60.4244 within 60 days after the test has been completed.

[Compliance with the above requirement also demonstrates compliance with the applicable requirements of 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

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

The submission of all requests, reports, applications, submittals and other communications required by 40 C.F.R. Part 63, Subpart ZZZZ, §§ 63.6580 through 63.6675 and 40 CFR Part 60 Subpart JJJJ, §§ 60.4230 through 60.4248 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The copies of these reports may be sent to:

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

and

The Pennsylvania Department of Environmental Protection
Air Quality Program Manager
2 East Main Street
Norristown, PA 19401

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 C.F.R. § 60.4243(b)(2)(ii).]

The owner or operator of a non-certified, stationary SI ICE greater than 500 hp shall demonstrate compliance with Condition #001 [40 C.F.R. §60.4233(e)] as follows:

- (a). The owner or operator shall keep a maintenance plan for this source.
- (b). The owner or operator shall operate and maintain this source in accordance with manufacturer's specifications and, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- (c). The owner or operator shall conduct an initial performance test and conduct subsequent performance testing at least every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. The performance tests shall be conducted in accordance with the requirements specified in 40 C.F.R. § 60.4244, as applicable.

[Compliance with the above requirement also demonstrates compliance with the applicable requirements of 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

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

With exception of the manufacturer's recommendation of running this source for a period of 50 hours at full load to burn off residual oils in the exhaust system, the owner or operator shall not bypass the oxidation catalyst in the oxidation catalyst unit (Source ID No. C101) while exhausting this source.

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

The following is a list of exhaust gas conditions that are to be maintained by the permittee for compliance with the manufacturer's guarantee for the oxidation catalyst:

- (a). The temperature of the exhaust that flows into the oxidation catalyst unit shall be 750 degrees Fahrenheit minimum to 1,350 degrees Fahrenheit maximum.
- (b). There shall be no un-burnt fuel or combustibles in the exhaust stream.
- (c). Pressure drop across the oxidation catalyst unit shall not increase by more than 2 inches water column before cleaning. If pressure drop across the catalyst increases by more than 2 inches water column, then the catalyst shall be cleaned and maintained in accordance with manufacturer's specifications to meet the performance guarantee.

The owner or operator, shall maintain and operate the system equipment in accordance with the engine manufacturer's instructions.

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- (a). The owner or operator shall equip the exhaust stream entering the oxidation catalyst unit (Source ID No. C101) with a temperature sensor (thermocouple or equivalent). The temperature sensor shall display the temperature of the stream in an area accessible to Department personnel.
- (b). The owner or operator shall equip the oxidation catalyst unit (Source ID No. C101) with a differential pressure gauge (manometer or equivalent) to measure the pressure drop across the oxidation catalyst unit. The differential pressure gauge shall be located in an area that is accessible to Department personnel.
- (c). The owner or operator shall install an alarm to monitor backpressure. The alarm will alert the owner or operator that the

**SECTION D. Source Level Requirements**

catalyst is fouled and requires cleaning.

(d). The owner or operator shall install an alarm to monitor for exhaust temperatures entering the oxidation catalyst that exceed 1,250 degrees Fahrenheit. The alarm will indicate that an emergency shutdown of the engine is required.

027 [25 Pa. Code §129.203]**Stationary internal combustion engines.**

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

(b) The permittee shall calculate allowable emissions by multiplying the cumulative hours of operations for the unit for the period by the horsepower rating of the unit and by 3.0 grams of NO_x per brake horsepower-hour.

028 [25 Pa. Code §129.204]**Emission accountability.**

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

(b) If the permittee is not required to monitor NO_x emissions with a CEMS, one of the following shall be used to determine actual emissions of NO_x:

(1) The 1-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NO_x.

(2) The maximum hourly allowable NO_x emission rate contained in the permit or the higher of the following:

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

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

(3) CEMS data, if the permittee elects to monitor NO_x emissions with a CEMS. The permittee shall monitor emissions and report the data from the CEMS in accordance with Chapter 139 or Chapter 145 (relating to interstate pollution transport reduction). Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

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

029 [25 Pa. Code §129.204]**Emission accountability.**

(a) The permittee shall surrender to the Department one CAIR NO_x allowance and one CAIR NO_x Ozone Season allowance, as defined in 40 CFR 96.102 and 96.302 (relating to definitions), for each ton of NO_x by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton

**SECTION D. Source Level Requirements**

less than 0.50 ton is deemed to equal zero tons.

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

(c) By November of each year, the permittee shall surrender the required NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

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

(d) If the permittee fails to comply with subsection (c), the permittee shall by December 31 surrender three NOx allowances of the current or later year vintage for each NOx allowance that was required to be surrendered by November 1 of that year.

(e) The surrender of NOx allowances under subsection (d) does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

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

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

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

VII. ADDITIONAL REQUIREMENTS.

030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 40 C.F.R. § 60.4246.]

The owner or operator of this source shall comply with the applicable requirements of 40 C.F.R. Part 60, Subpart A in accordance with Table 3 of 40 C.F.R. Part 60, Subpart JJJJ.

031 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). Source ID No. 101 consists of a 1,929 kW electric Cummins Model No. C2000 N6C or equivalent natural gas fired, reciprocating internal combustion engine.

(b). Source ID No. C101 consists of a Harco Manufacturing (Sud-Chemie) EnviCat-5314 Oxidation Catalyst (35.4"x3.5").

**SECTION D. Source Level Requirements**

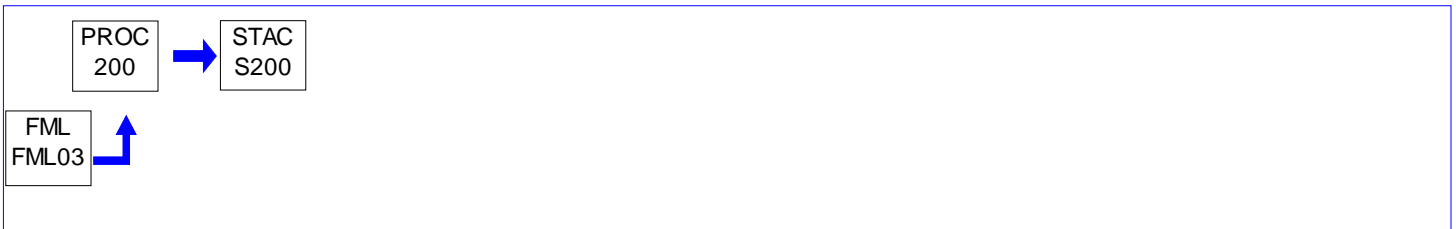
Source ID: 200

Source Name: EMERGENCY GENERATOR NO. 5

Source Capacity/Throughput: 5.540 MMBTU/HR

40.000 Gal/HR

Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.4202, 89.112, and 89.113.]

The permittee shall limit the emissions from this source as follows:

(a). Family Emission Limits (FELs) from 40 C.F.R. § 89.112(d) and Table 2 of 40 C.F.R. Part 89 for classes of emergency, stationary CI RICE with a maximum electrical output greater than 560 KW (this source has a maximum electrical output of 600 KW):

(1). Non-methane Hydrocarbons and Nitrogen Oxides (NMHC + NO_x) less than or equal to 10.5 g/(KW-hr) [7.83 g/(bhp-hr)];

(2). Carbon Monoxide (CO) less than or equal to 3.5 g/(KW-hr) [2.61 g/(bhp-hr)];

(3). Particulate Matter (PM) less than or equal to 0.54 g/(KW-hr) [0.40 g/(bhp-hr)]

(b). Exhaust opacity from CI RICE from the conditions of 40 C.F.R. § 89.113(a) shall not exceed:

(1). 20 percent during the acceleration mode;

(2). 15 percent during the lugging mode; and

(3). 50 percent during the peaks in either the acceleration or lugging modes.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

002 [25 Pa. Code §123.13]**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

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

The permittee shall limit the combined emissions of nitrogen oxides (NO_x) from this source to 100 pounds per hour, 1,000 pounds per day, 2.75 tons per ozone season, and 6.6 tons per year on a 12-month rolling sum basis in accordance with 25 Pa. Code § 127.14(a)(8)(6) .

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 004 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition was also derived from 40 C.F.R. §§ 60.4207(b) and 80.510(b).]

The diesel fuel used in this emergency, stationary CI RICE is subject to the following per-gallon standards:

- (a). Sulfur content of 15 ppm (by weight) maximum for non-road diesel fuel.
- (b). Cetane index or aromatic content, as follows:
 - (1). A minimum cetane index of 40; or
 - (2). A maximum aromatic content of 35 volume percent.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ. Compliance with the sulfur content limit in paragraph (a) above also demonstrates compliance with 25 Pa. Code § 123.21.]

Operation Hours Restriction(s).**# 005 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4211(f).]

Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations set in the conditions of 40 C.F.R. Part 60, Subpart IIII. Limits on hours of operation may be set through State requirements. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

006 Elective Restriction

The permittee shall limit the total number of hours of operation for this emergency generator for all instances for which the emergency generator is in operation to 500 hours per year on a 12-month rolling sum basis.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4212.]

If required to conduct performance tests pursuant to 40 C.F.R. Part 60, Subpart IIII, the permittee shall conduct the performance testing in the following manner:

Exhaust emissions from stationary CI RICE that are complying with the emission standards for new CI engines in 40 C.F.R. § 89.112, as applicable, shall not exceed the not-to-exceed (NTE) numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 C.F.R. § 89.112, as applicable, determined from the following equation:

$$\text{NTE requirement for a pollutant (NTE)} = (1.25) * (\text{STD})$$

Where:

STD = The standard specified for that pollutant in 40 C.F.R. § 89.112, as applicable.

Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines in 40 C.F.R. § 89.112 may follow the testing procedures specified in 40 C.F.R. § 60.4213 of 40 C.F.R. Part 60, Subpart IIII, as appropriate.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

008 [25 Pa. Code §122.3]**Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4211(g).]

If the permittee does not install, configure, operate, and maintain the CI RICE 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 shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine 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. The permittee shall conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

009 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

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

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

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

**SECTION D. Source Level Requirements**

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

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

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following for this source when it is in operation:

- (a). The date and time of startup of the emergency generator.
- (b). The date and time of shutdown of the emergency generator.
- (c). The reason for the emergency generator being in operation.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4214(b).]

(a). The permittee shall monitor the following for this source when it is in operation:

- (1). The date and time of startup of the emergency generator.
- (2). The date and time of shutdown of the emergency generator.
- (3). The reason for the emergency generator being in operation.

(b). The permittee shall calculate and record the total number of hours of operation per month, the total hours of operation for emergency usage, the total hours of operation for maintenance and readiness testing, and the total number of hours of operation for non-emergency usage on a monthly and a 12-month rolling sum basis.

[Compliance with the above condition also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of all inspections and/or maintenance that is performed on this source.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate and record emissions of NO_x, SO_x, PM, CO, and VOC on a monthly and 12-month rolling sum basis and in a manner that demonstrates compliance with the applicable requirements of this State Only Operating Permit.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of all testing and/or supplier certifications for the sulfur content of the fuel for each delivery of fuel for this source.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 015 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4214(b).]

If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

VI. WORK PRACTICE REQUIREMENTS.**# 016 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4206.]

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 C.F.R. § 60.4205 over the entire life of the engine.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

017 [25 Pa. Code §122.3]**Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4209.]

The permittee shall install a non-resettable hour meter on this emergency, stationary CI RICE prior to the start-up of this source.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

018 [25 Pa. Code §122.3]**Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4211(a) and (g).]

(a). The permittee shall perform all of the following, except as permitted under paragraph (b) below:

- (1). Operate and maintain the stationary CI RICE according to the manufacturer's emission-related written instructions;
- (2). Change only those emission-related settings that are permitted by the manufacturer; and
- (3). Meet the requirements of 40 CFR Part 89, as it applies to the permittee.

(b). If the permittee does not install, configure, operate, and maintain the CI RICE 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 shall demonstrate compliance by keeping a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

**SECTION D. Source Level Requirements**

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

VII. ADDITIONAL REQUIREMENTS.**# 019 [25 Pa. Code §122.3]****Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4211(c).]

If the permittee owns or operates a 2007 model year and later stationary CI RICE and must comply with the emission standards specified in 40 C.F.R. § 60.4205(b), the permittee shall comply by purchasing an engine certified to the emission standards in 40 C.F.R. § 60.4205(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 C.F.R. § 60.4211(g).

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

020 [25 Pa. Code §122.3]**Adoption of standards.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4218 and Table 8 of 40 C.F.R. Part 60, Subpart IIII.]

The permittee shall comply with all General Provisions from 40 C.F.R. §§ 60.1 through 60.19 with the exception of 40 C.F.R. §§ 60.11 and 60.18.

[Compliance with the condition above also demonstrates compliance with 40 C.F.R. § 63.6590(c)(1) in 40 C.F.R. Part 63, Subpart ZZZZ.]

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

Source ID No. 200 consists of a 600 KW MTU Online Energy Detroit Diesel Model S1600 CI RICE.

**SECTION E. Source Group Restrictions.**

Group Name: BOILER

Group Description: Requirements common to boilers (CU2 & CU3)

Sources included in this group

ID	Name
CU2	BOILER 2
CU3	BOILER 3

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined emissions of nitrogen oxides from Source ID Nos. CU2, CU3, and CU4 shall be limited to 12.78 tons per year on a 12-month rolling basis.

Fuel Restriction(s).

002 [25 Pa. Code §123.22]

Combustion units

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The primary fuel for use in this source shall be natural gas. No. 2 Fuel Oil shall only be used in this source for the following events, as defined in 40 C.F.R. § 63.11237:

(1). Periods of gas curtailment where the supply of natural gas is halted for reasons that are beyond the control of the facility.

(2). Gas supply emergencies.

(3). Periodic Testing of this boiler on No. 2 Fuel Oil. The period of testing shall not exceed a combined total of 48 hours in a calendar year.

(b). The primary fuel may be switched in accordance with 40 C.F.R. § 63.11225(g), and all applicable requirements of 40 C.F.R. Part 63, Subpart JJJJJJ may apply to this source. In switching fuels, this boiler will be considered a new boiler in respect to the requirements of 40 C.F.R. Part 63, Subpart JJJJJJ.

Throughput Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The total amount of natural gas used by Source ID Nos. CU2, CU3, and CU4 shall never exceed one hundred eighty-three (183) MMSCF per year on a 12-month rolling basis.

(b). The total amount of No. 2 Fuel Oil used by Source ID Nos. CU2, CU3, and CU4 shall never exceed 1,278,000 gallons per year on a 12-month rolling basis.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall submit, upon Department request, samples of the fuel oil used by this source.

**SECTION E. Source Group Restrictions.****# 006 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

The permittee shall monitor the following for this source on a monthly basis when this source is in operation:

(a). The type of fuel consumed by this source.

(b). The amount of each fuel that is consumed by this source.

(c). The number of hours of operation for this source for each type of fuel used in this source.

(d). The reason (normal operation, gas curtailment, gas supply emergency, or periodic testing) for which the type of fuel was used.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [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 fuel oil, determined using the sampling and testing methods specified in the testing requirement above, expressed as one of the following statements:

(1) For a shipment of No. 2 and lighter commercial fuel oil, "The sulfur content of this shipment is 500 ppm or below."

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

(a). The permittee shall record the following for this source on a monthly basis when this source is in operation:

(1). The type of fuel consumed by this source.

(2). The amount of each fuel that is consumed by this source.

(3). The number of hours of operation for this source for each type of fuel used in this source.

(4). The reason (normal operation, gas curtailment, gas supply emergency, or periodic testing) for which the type of fuel was used.

(b). The permittee shall calculate, compile, and record the total amount of each fuel used in Source ID Nos. CU2, CU3, and CU4 on a 12-month rolling basis.

**SECTION E. Source Group Restrictions.**

(c). On a monthly basis, the permittee shall calculate and record the emissions of particulate matter, sulfur dioxide, and nitrogen oxides in a manner that demonstrates compliance with the applicable emission limits of this permit.

(d). The data obtained in paragraphs (a), (b), and (c) of this condition shall be kept on file for a period of five (5) years, and the records shall be made available to the Department upon request.

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

(a). The permittee shall keep records of fuel receipts or testing results for the sulfur content of the fuel for each delivery of No. 2 Fuel Oil to the facility.

(b). The data collected for paragraph (a) above shall be kept on file for a period of five (5) years, and the records shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

Meters shall be placed on the natural gas supply and the No. 2 Fuel Oil supply to monitor and record the total amount of each fuel that is consumed by Source ID Nos. CU2, CU3, and CU4.

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

The permittee shall operate and maintain this source in accordance with manufacturer's specifications, and good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
CU2	BOILER 2		
Emission Limit			
0.450	Lbs/Hr		CO
1.960	Tons/Yr		CO
12.780	Tons/Yr	combined emissions from Source ID Nos. CU2, CU3, and CU4; 12-month rolling sum basis	NOX
2.580	Lbs/Hr		SOX
11.270	Tons/Yr		SOX
0.180	Lbs/Hr		TSP
0.790	Tons/Yr		TSP
CU3	BOILER 3		
Emission Limit			
0.730	Lbs/Hr		CO
3.190	Tons/Yr		CO
12.780	Tons/Yr	combined emissions from Source ID Nos. CU2, CU3, and CU4; 12-month rolling sum basis	NOX
4.200	Lbs/Hr		SOX
18.380	Tons/Yr		SOX
0.290	Lbs/Hr		TSP
1.280	Tons/Yr		TSP
CU4	BOILER 4		
Emission Limit			
300.000	PPMV	at 3% oxygen, dry conditions; any fuel	CO
12.780	Tons/Yr	combined emissions from Source ID Nos. CU2, CU3, and CU4; 12-month rolling sum basis	NOX
30.000	PPMV	at 3% oxygen, dry standard conditions; firing natural gas	NOX
90.000	PPMV	at 3% oxygen, dry standard conditions; firing No. 2 Fuel Oil	NOX
1.000	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
100	GENERATORS 3 & 4		
Emission Limit			
4.150	Tons/Yr	Generator No. 3 on a 12-month rolling basis	NOX
5.180	Tons/Yr	Generator No. 4 on a 12-month rolling basis	NOX
500.000	PPMV	dry standard conditions	SOX
101	COGENERATION GENERATOR SYSTEM		
Emission Limit			
27.560	Tons/Yr	12-month rolling sum basis	CO
16.370	Tons/Yr	12-month rolling sum basis	NOX
0.011	Lbs/Hr		SOX

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
0.050	Tons/Yr	12-month rolling sum basis	SOX
1.640	Tons/Yr	12-month rolling sum basis	TSP
9.550	Tons/Yr	12-month rolling sum basis	VOC
200	EMERGENCY GENERATOR NO. 5		
Emission Limit			Pollutant
3.500	GRAMS/KW-Hr	Emission standard from 40 C.F.R. §§ 89.112(a) and 89.112(d)	CO
2.750	Tons/OZNESEAS	combined all ICE exempt from plan approval conditions	NOX
6.400	GRAMS/KW-Hr	+ NMHC; Emission standard from 40 C.F.R. § 89.112(a)	NOX
6.600	Tons/Yr	12-month rolling sum basis; combined all ICE exempt from plan approval conditions	NOX
10.500	GRAMS/KW-Hr	+ NMHC; Emission standard from 40 C.F.R. § 89.112(d)	NOX
100.000	Lbs/Hr	combined all ICE exempt from plan approval conditions	NOX
1,000.000	Lbs/Day	combined all ICE exempt from plan approval conditions	NOX
0.040	gr/DRY FT3		TSP
0.200	GRAMS/KW-Hr	Emission standard from 40 C.F.R. § 89.112(a)	TSP
0.540	GRAMS/KW-Hr	Emission standard from 40 C.F.R. § 89.112(d)	TSP

Site Emission Restriction Summary

Emission Limit		Pollutant
25.000	Tons/Yr	Less than limit on a 12-month rolling period basis
		NOX

**SECTION H. Miscellaneous.**

#001. 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:

- (a). A 20,000-gallon storage tank for No. 2 Fuel Oil.
- (b). A 4,307-gallon storage tank for ultra-low sulfur diesel fuel for Source ID No. 200.

#002. The following previously issued operating permits serve as a basis for certain terms and conditions in this State Only Operating Permit:

46-302-200
OP-46-0007

#003. The throughputs and/or capacities listed in Sections A and D of this permit are used for descriptive purposes. These throughputs and/or capacities are not considered limitations or enforceable conditions by the Department.

#004. APS No. 473149; Authorization No. 906771 - This action is for the renewal of the State Only Operating Permit for Holy Redeemer Hospital & Medical Center. Boiler CU1 was replaced by Boiler CU4, and the permit was changed to reflect this change. The language for all boilers now requires monitoring and recording of the amount of each fuel fired on a monthly basis. A new emergency generator (Source ID No. 200) was added to the permit. Applicable conditions from the area boiler MACT (40 C.F.R. Part 63, Subpart JJJJJ) and the area RICE MACT (40 C.F.R. Part 63, Subpart ZZZZ) were added to the permit.

#005. APS No. 473149; Authorization No. 1090656: Administrative Amendment to change Responsible Official

#006. APS No. 473149; Authorization No. 1166577 Renewal of Operating Permit -incorporates Plan approval 46-0007.

#007. APS No. 473149; Authorization No. 1408064 Renewal of Operating Permit.



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