



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date:	February 10, 2023	Effective Date:	May 21, 2024
Revision Date:	May 21, 2024	Expiration Date:	February 9, 2028
Revision Type:	Amendment		

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

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

State Only Permit No: 09-00059

Synthetic Minor

Federal Tax Id - Plant Code: 23-1913910-1

Owner Information

Name: ST MARY MED CTR
Mailing Address: 1201 LANGHORNE-NEWTOWN RD
LANGHORNE, PA 19047-1295

Plant Information

Plant: ST MARY MED CTR/LANGHORNE
Location: 09 Bucks County 09003 Middletown Township
SIC Code: 8062 Services - General Medical And Surgical Hospitals

Responsible Official

Name: MARK HAMPTON
Title: REGIONAL FACILITIES DIR
Phone: (215) 710 - 4026 Email: mhampton@stmaryhealthcare.org

Permit Contact Person

Name: JASON HAUSER
Title: PHYSICAL PLANT OPR MGR
Phone: (215) 710 - 2080 Email: jason.hauser@stmaryhealthcare.org

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



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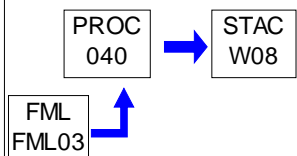
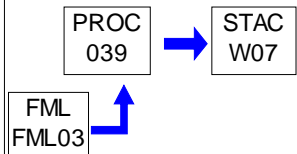
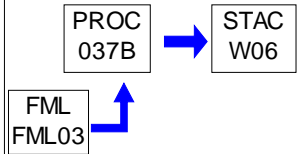
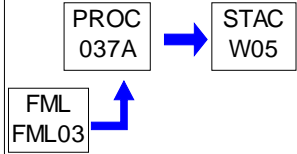
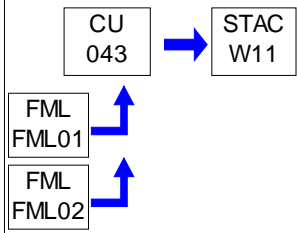
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
041	BURNAM BOILER	29.300	MMBTU/HR	
			N/A	Natural Gas
042	CLEAVER-BROOKS BOILER	30.620	MMBTU/HR	
			N/A	Natural Gas
043	BABCOCK & WILCOX BOILER	35.660	MMBTU/HR	
			N/A	Natural Gas
037A	EMERGENCY GENERATOR ENGINE (755 BHP)	3.700	MMBTU/HR	
		26.800	Gal/HR	#2 Oil
037B	EMERGENCY GENERATOR ENGINE (380 BHP)	1.550	MMBTU/HR	
		11.200	Gal/HR	#2 Oil
039	EMERGENCY GENERATOR ENGINE (1,502 BHP & PEAK SHAVING)	3.400	MMBTU/HR	
		72.000	Gal/HR	#2 Oil
040	EMERGENCY GENERATOR ENGINE (2,206 BHP)	105.000	Gal/HR	#2 Oil
FML01	NATURAL GAS			
FML02	NO. 2 FUEL OIL			
FML03	ULTRA LOW SULFUR DIESEL (ULSD)			
W02	BOILER STACK			
W03	BOILER STACK			
W05	GENERATOR ENGINE STACK			
W06	GENERATOR ENGINE STACK			
W07	GENERATOR ENGINE STACK			
W08	GENERATOR ENGINE STACK			
W11	BOILER 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 shall permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements**

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

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

- (a) Facility-wide NOx emissions shall not exceed 14.00 tons per year calculated as a 12-month rolling sum.
- (b) Facility-wide emissions include emissions from all sources listed in Section A of this Operating Permit as well as miscellaneous sources exempt from plan approval requirements which are listed in Section H of this Operating Permit.

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 the following.

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

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

The permittee shall remain below major source thresholds for NOx emissions by maintaining the total fuel throughput for the facility to less than the following (calculated on a 12-month rolling sum).

- (a) 290 million cubic feet (MMCF) of Natural gas.
- (b) 201,080 gallons of No. 2 fuel oil.
 - (i) Fuel oil usage in the two boilers shall not exceed 150,000 gallons per year.
 - (ii) Fuel oil usage in the four generator engines shall not exceed 51,080 gallons per year.

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

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

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

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

Visible emissions shall be measured using either of the following.

(a) A device approved by the Department and maintained to provide accurate opacity measurements.

(b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

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

- (1) Odors which may be objectionable (as per 25 Pa. Code §123.31)
- (2) Visible emissions (as per 25 Pa. Code §§123.41 and 123.42)
- (3) Fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2)

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

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

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

The permittee shall monitor the total fuel (natural gas and No. 2 fuel oil) usage for the facility on a monthly basis and as a 12-month rolling sum.

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

The permittee shall keep records of the total fuel usage (natural gas and No. 2 fuel oil) for the facility on a monthly basis

**SECTION C. Site Level Requirements**

and as a 12-month rolling sum.

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

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

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

016 [25 Pa. Code §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 to the Department.
- (d) Increases resulting from the issuance of a plan approval and subsequent operating permit.

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

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

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

(c) The report shall describe the following.

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

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business

**SECTION C. Site Level Requirements**

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.

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

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

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements.

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following.

- (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130.
- (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.

**SECTION C. Site Level Requirements**

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

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

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

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

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

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

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

The permittee shall 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.

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

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

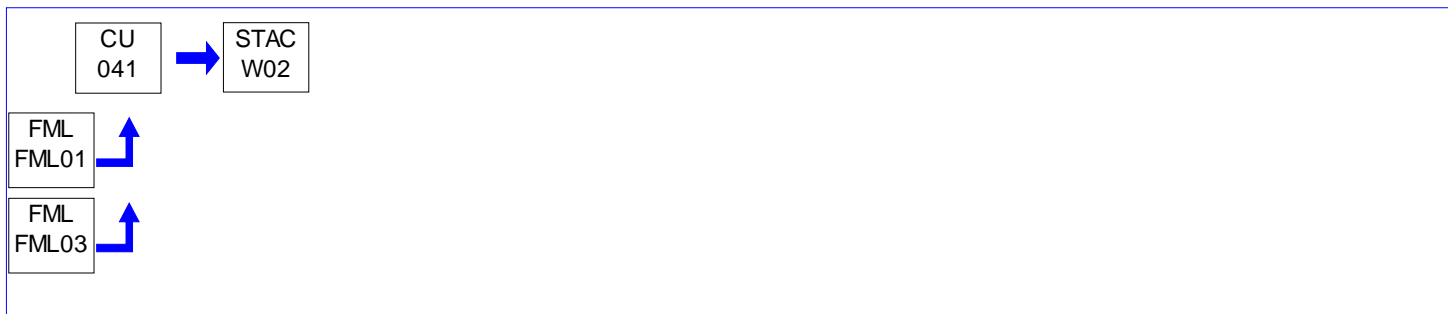
Source ID: 041

Source Name: BURNAM BOILER

Source Capacity/Throughput: 29.300 MMBTU/HR

N/A

Natural Gas

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

(a) The permittee shall use ultra low sulfur diesel (ULSD) in this boiler.

(b) The sulfur in the ULSD shall not exceed 15 ppm.

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

The permittee shall only use natural gas or ULSD as a fuel for this boiler.

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §123.22]****Combustion units**

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

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

The permittee shall monitor the type of fuel used and the amount of fuel consumed by the boiler on a monthly basis and as a 12-month rolling sum.

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

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

- (1) Date of the sale or transfer.
- (2) Name and address of the seller.
- (3) Name and address of the buyer.
- (4) Delivery address.
- (5) Volume of commercial fuel oil purchased.
- (6) 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.

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

(a) The permittee shall record the amount and type of fuel consumed by the boiler on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall record the NO_x emissions from the boiler on a monthly basis and as a 12-month rolling sum.

(c) When recording the NO_x emissions the permittee shall use the following AP-42 emission factors.

- (1) 32 lbs NO_x per 1,000,000 cubic feet gas when using natural gas.
- (2) 20 lbs NO_x per 1,000 gallons when using ULSD.

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

The permittee shall record any maintenance performed on the boiler to include the following.

- (a) Name of boiler.
- (b) Date maintenance was performed.
- (c) Type of maintenance performed on the boiler.
- (d) Name of person and company performing the maintenance.

V. REPORTING REQUIREMENTS.**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

(a) The permittee shall submit notification of the date of construction and actual startup, as provided by § 60.7 of this part. The notification shall include the following.

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(b) Notifications shall be submitted in duplicate to the EPA Regional Office listed below.

United States Environmental Protection Agency
 Region III, Enforcement & Compliance Assurance Division
 Air, RCRA and Toxics Branch (3ED21)
 Four Penn Center
 1600 John F. Kennedy Boulevard
 Philadelphia, Pennsylvania 19103-2852

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

(a) The permittee shall submit annual fuel usage consumption reports to the Administrator when No. 2 fuel oil is used. All reports shall state reasons for any noncompliance with the standard, and a description of the corrective actions taken. In the event that no fuel oil is used, the permittee shall submit a signed statement stating that no fuel oil is used for a specific reporting period.

(b) If fuel supplier certification, or records of fuel supplier certification is used to demonstrate compliance; then in addition to the records of fuel supplier certifications, the report shall include a certified statement signed by the permittee that the records of the fuel supplier certification submitted represent all of the fuel combusted during the reporting period. The fuel supplier certification shall include the following information.

(1) The name of the oil supplier.

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

(3) The sulfur content of the oil.

(c) The reporting period for the required reports is from January 1st to December 31st. All reports shall be postmarked by the 30th day following the end of the reporting period (The end date of reporting period is December 31st of each year).

(d) This boiler is subject to Subpart Dc of the Standards of Performance for Small Industrial Commercial-Institutional Steam Generating Units and shall comply with all applicable requirements of this Subpart. In accordance with 40 CFR §60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copy shall be electronically reported using Compliance and Emissions Data Reporting Interface (CEDRI).

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

(a) The reporting period for the reports required under this subpart is each six-month period. Semiannual reports are due July 30 for the Jan 1 – June 30 reporting period and January 30th for the July 1 – Dec 31 reporting period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

(b) Copies of all requests, reports, applications, submittals, and other communications required under the Subpart Dc shall be submitted to both the EPA and the Department. The EPA copy shall be electronically reported using the CEDRI portal of the Central Data Exchange (CDX): <https://cdx.epa.gov/>

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).

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

This boiler was manufactured by Burnham, Model No. LN3P-700-50-G0-PF, in 2020. The rated heat input of the boiler is 29.30 MMBtu/hr.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**SECTION D. Source Level Requirements****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to 40 CFR Part 63 Subpart JJJJJJ because it is not within a subcategory, as listed in 40 CFR § 63.11200. The boilers are gas fired boilers as defined in 40 CFR § 63.11237.

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

(c) If the boiler uses liquid fuel for more than 48 hours during any calendar year for periodic testing, maintenance, or operator training then the boiler would be subject to 40 CFR Part 63 Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

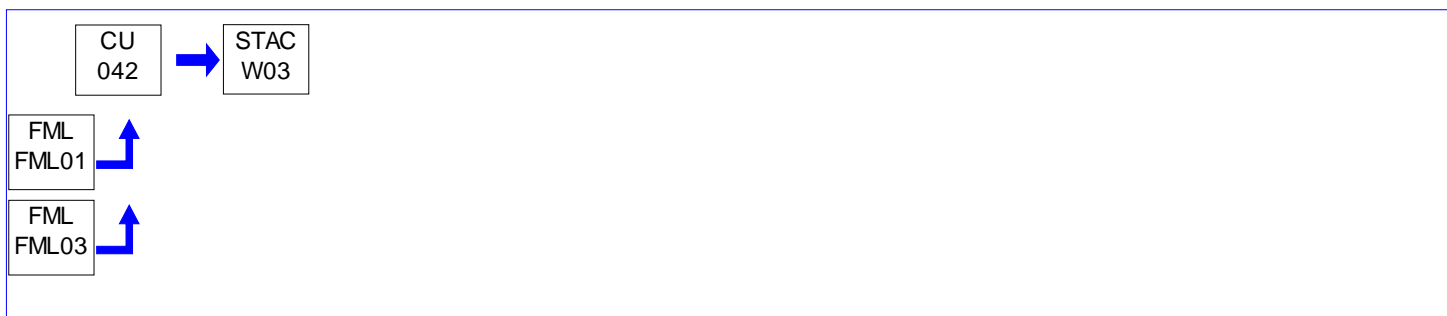
Source ID: 042

Source Name: CLEAVER-BROOKS BOILER

Source Capacity/Throughput: 30.620 MMBTU/HR

N/A

Natural Gas

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

(a) The permittee shall use ultra low sulfur diesel (ULSD) in this boiler.

(b) The sulfur in the ULSD shall not exceed 15 ppm.

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

The permittee shall only use natural gas or ULSD as a fuel for this boiler.

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §123.22]****Combustion units**

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

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

The permittee shall monitor the type of fuel used and the amount of fuel consumed by the boiler on a monthly basis and as a 12-month rolling sum.

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

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

- (1) Date of the sale or transfer.
- (2) Name and address of the seller.
- (3) Name and address of the buyer.
- (4) Delivery address.
- (5) Volume of commercial fuel oil purchased.
- (6) 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.

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

(a) The permittee shall record the amount and type of fuel consumed by the boiler on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall record the NO_x emissions from the boiler on a monthly basis and as a 12-month rolling sum.

(c) When recording the NO_x emissions the permittee shall use the following AP-42 emission factors.

- (1) 32 lbs NO_x per 1,000,000 cubic feet gas when using natural gas.
- (2) 20 lbs NO_x per 1,000 gallons when using ULSD.

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

The permittee shall record any maintenance performed on the boiler to include the following.

- (a) Name of boiler.
- (b) Date maintenance was performed.
- (c) Type of maintenance performed on the boiler.
- (d) Name of person and company performing the maintenance.

V. REPORTING REQUIREMENTS.**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

(a) The permittee shall submit notification of the date of construction and actual startup, as provided by § 60.7 of this part. The notification shall include the following.

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

(b) Notifications shall be submitted in duplicate to the EPA Regional Office listed below.

United States Environmental Protection Agency
 Region III, Enforcement & Compliance Assurance Division
 Air, RCRA and Toxics Branch (3ED21)
 Four Penn Center
 1600 John F. Kennedy Boulevard
 Philadelphia, Pennsylvania 19103-2852

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

(a) The permittee shall submit annual fuel usage consumption reports to the Administrator when No. 2 fuel oil is used. All reports shall state reasons for any noncompliance with the standard, and a description of the corrective actions taken. In the event that no fuel oil is used, the permittee shall submit a signed statement stating that no fuel oil is used for a specific reporting period.

(b) If fuel supplier certification, or records of fuel supplier certification is used to demonstrate compliance; then in addition to the records of fuel supplier certifications, the report shall include a certified statement signed by the permittee that the records of the fuel supplier certification submitted represent all of the fuel combusted during the reporting period. The fuel supplier certification shall include the following information.

(1) The name of the oil supplier.

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

(3) The sulfur content of the oil.

(c) The reporting period for the required reports is from January 1st to December 31st. All reports shall be postmarked by the 30th day following the end of the reporting period (The end date of reporting period is December 31st of each year).

(d) This boiler is subject to Subpart Dc of the Standards of Performance for Small Industrial Commercial-Institutional Steam Generating Units and shall comply with all applicable requirements of this Subpart. In accordance with 40 CFR §60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copy shall be electronically reported using Compliance and Emissions Data Reporting Interface (CEDRI).

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

(a) The reporting period for the reports required under this subpart is each six-month period. Semiannual reports are due July 30 for the Jan 1 – June 30 reporting period and January 30th for the July 1 – Dec 31 reporting period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

(b) Copies of all requests, reports, applications, submittals, and other communications required under the Subpart Dc shall be submitted to both the EPA and the Department. The EPA copy shall be electronically reported using the CEDRI portal of the Central Data Exchange (CDX): <https://cdx.epa.gov/>

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).

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

This boiler was manufactured by Cleaver Brooks, Model No. 200-800-150ST, in 2021. The rated heat input of the boiler is 30.62 MMBtu/hr.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

**SECTION D. Source Level Requirements****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to 40 CFR Part 63 Subpart JJJJJJ because it is not within a subcategory, as listed in 40 CFR § 63.11200. The boilers are gas fired boilers as defined in 40 CFR § 63.11237.

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

(c) If the boiler uses liquid fuel for more than 48 hours during any calendar year for periodic testing, maintenance, or operator training then the boiler would be subject to 40 CFR Part 63 Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

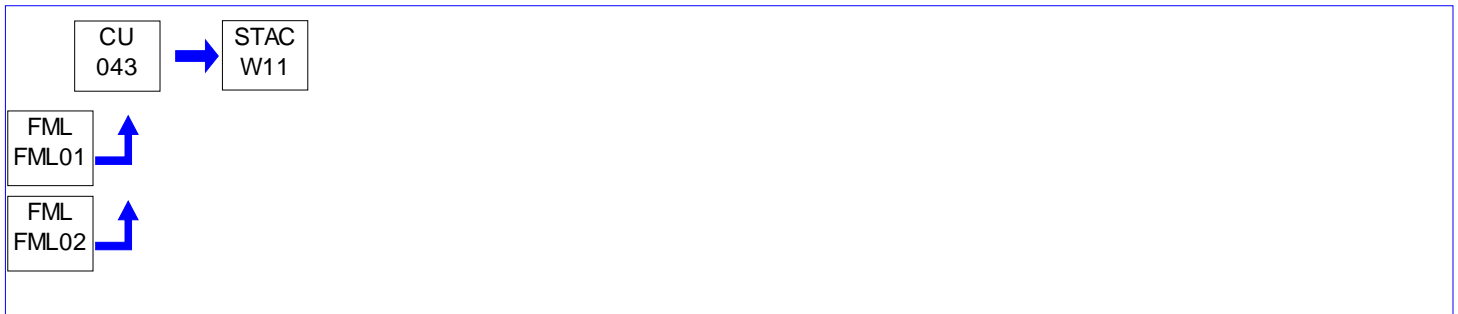
Source ID: 043

Source Name: BABCOCK & WILCOX BOILER

Source Capacity/Throughput: 35.660 MMBTU/HR

N/A

Natural Gas

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

The permittee may not offer for sale, deliver for use, exchange in trade or permit the use of No. 2 fuel oil in a combustion unit (Boiler) if the No. 2 fuel oil contains sulfur in excess of 15 ppm (0.0015%).

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

(a) The permittee shall use only natural gas or No. 2 fuel oil as a fuel for this Boiler.

(b) This Boiler is to be operated as a "Gas-fired Boiler" which is defined as any Boiler that burns gaseous fuels not combined with any solid fuels and burns fuel oil only during periods of gas curtailment, gas supply interruption, startups, or for periodic testing, maintenance, or operator training on fuel oil. Periodic testing, maintenance, or operator training on fuel oil shall not exceed a combined total of 48 hours during any calendar year. If No. 2 fuel oil is used in the Boiler for more than 48 hours in any calendar year the Boiler would be subject to 40 CFR Part 63 Subpart JJJJJJ (National Emission Standards for Hazardous Air Pollutants for Institutional Boilers Area Sources).

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

Hours of operation for this Boiler shall not exceed 500 hours in a 12-month rolling basis.

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

(a) The permittee shall, every three years, measure the concentrations in the effluent stream of NO_x and CO in parts per million, by volume, and oxygen in volume percent, before and after the tune-up/inspection is made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable analyzer as long as it is calibrated and operated according to the manufacturer's recommendations, the procedures specified in ASTM D-6522, and the following requirements.

(1) The portable analyzer shall undergo factory laboratory calibration and cleaning every three years.

(2) The portable analyzer shall have on-site calibration checks using certified calibration gases demonstrating the analyzer accuracy requirements specified in ASTM D-6522.

(3) In order to verify emissions, the permittee shall conduct three, 20-minute test runs recording emissions data at least once each minute.

**SECTION D. Source Level Requirements**

(4) Depending on concentrations observed, fresh air purges should be performed according to manufacturer's recommendations.

(5) Re-zeroing of the portable analyzer should be performed according to manufacturer's recommendations or at least before every test run.

(b) The three year testing required in Condition (a) above shall begin three years after the date of startup for the Boiler. Startup is defined as the setting in operation of an affected source or portion of an affected source for any purpose.

(1) The startup date for this Boiler was March 6, 2024.

005 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

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

(a) The permittee shall monitor the amount of fuel used in the Boiler on a monthly basis.

(b) The permittee shall monitor the hourly operational time of the Boiler on a daily basis.

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

The permittee shall maintain in electronic or paper format the record provided by the transferor for the shipment of No. 2 fuel oil as it changed hands to the permittee (ultimate consumer). This record must legibly and conspicuously contain the following information, in accordance with 25 Pa. Code § 123.22(g)(1) and (5).

(1) The date of the sale or transfer.

(2) The name and address of the transferor.

(3) The name and address of the transferee.

(4) The volume of No. 2 fuel oil being sold or transferred.

(5) The identification of the sulfur content of the shipment of No. 2 fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1) and § 139.16, expressed as "The sulfur content of this shipment is 15 ppm or below."

(6) The location of the No. 2 fuel oil at the time of transfer.

**SECTION D. Source Level Requirements****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall record the amount and type of fuel used in the Boiler on a monthly basis.
- (b) If fuel oil is used in this Boiler, the permittee shall record the operating hours on fuel oil, the date the fuel oil was used and the reason why fuel oil was used.
- (c) The permittee shall record the operating hours, of the Boiler, on a 12-month rolling basis.

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

The permittee shall maintain the following records for the Boiler.

- (1) A description of any corrective actions taken as part of the tune-up/inspection.
- (2) The date(s) the annual tune-up/inspection was conducted.
- (3) When tested, the concentrations of NO_x and CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up/inspection of the Boiler.
- (4) When tested, the factory calibration certification sheets for the portable analyzer.
- (5) When tested, a summary of the results of the NO_x and CO testing.
- (6) The results of the annual tune-up, as required by Condition #013, Section D.

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

- (a) The permittee shall calculate and record the NO_x, CO and VOC emissions from the Boiler on a monthly basis and as a 12-month rolling sum.
- (b) When calculating emissions, the permittee shall use the hours operated and the following emission factors.
- (1) NO_x - 0.036 lb/MMBtu (From manufacturer)
- (2) CO - 0.074 lb/MMBtu (From manufacturer)
- (3) VOC - 0.005 lb/MMBtu (From AP-42)

V. REPORTING REQUIREMENTS.**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

- (a) This Boiler is subject to Subpart Dc of the Standards of Performance for Small Industrial Commercial-Institutional Steam Generating Units and shall comply with all applicable requirements of this Subpart. In accordance with 40 CFR §60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copy shall be electronically reported using the (Compliance and Emissions Data Reporting Interface (CEDRI) portal of the Central Data Exchange (CDX): <https://cdx.epa.gov>.
- (b) The permittee shall submit semi-annual fuel usage consumption reports to the Administrator when No. 2 fuel oil is used. All reports shall state reasons for any noncompliance with the standard, and a description of the corrective actions taken. In the event that no fuel oil is used, the permittee shall submit a signed statement stating that no fuel oil is used for a specific reporting period. The report shall also include the dates covered in the reporting period.
- (c) If fuel supplier certification, or records of fuel supplier certification is used to demonstrate compliance; then in addition to the records of fuel supplier certifications, the report shall include a certified statement signed by the permittee that the records of the fuel supplier certification submitted represent all of the fuel combusted during the reporting period. The fuel

**SECTION D. Source Level Requirements**

supplier certification shall include the following information.

- (1) The name of the oil supplier.
- (2) A statement from the oil supplier that the oil complies with the specifications under the definitions of distillate oil in 40 CFR 60.41c. Distillate oil is defined as fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396 (incorporated by reference, see § 60.17), diesel fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D975 (incorporated by reference, see § 60.17).
- (3) The sulfur content of the oil.
- (d) The reporting period for the reports required under this subpart is each six-month period. Semiannual reports are due July 30 for the Jan 1 – June 30 reporting period and January 30th for the July 1 – Dec 31 reporting period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall install and maintain a fuel meter to track the amount of natural gas used in the Boiler.
- (b) The permittee shall install and maintain a fuel meter on the boiler to track the amount of No. 2 fuel oil used in the Boiler.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct an annual tune-up/inspection on the Boiler. At a minimum the tune-up/inspection shall consist of the following.

- (1) Inspect the burner and clean or replace any components of the burner as necessary.
- (2) Inspect the flame pattern and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications.
- (3) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This Boiler is a water tube Boiler manufactured by Babcock & Wilcox, Model No. FM9-43 & Serial No. 201-3852 and rated at 35,660,000 Btus/hr of heat input.

**SECTION D. Source Level Requirements**

Source ID: 037A

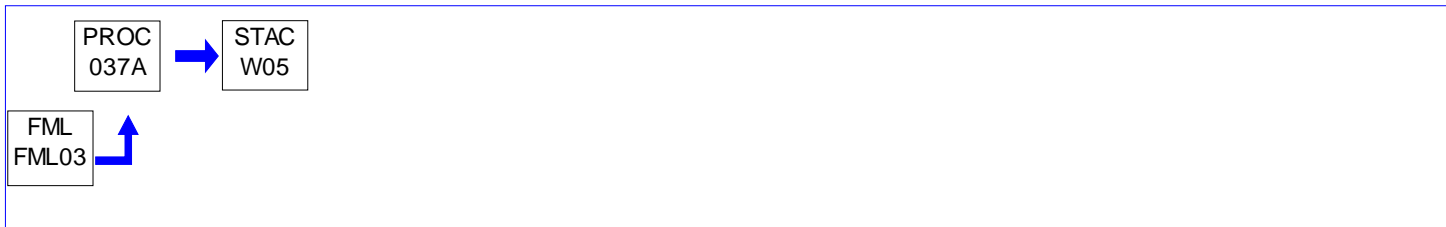
Source Name: EMERGENCY GENERATOR ENGINE (755 BHP)

Source Capacity/Throughput:

3.700 MMBTU/HR

26.800 Gal/HR

#2 Oil

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall only use ultra low sulfur diesel (ULSD) fuel in the generator engine.

(b) The sulfur in the ULSD shall not exceed 15 ppm.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of the generator engine shall not exceed 100 hours per year.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the engine hours of operation on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall monitor the amount of fuel used in the engine on a monthly basis and as a 12-month rolling sum.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall calculate and record the NO_x emissions from the engine, using the latest AP-42 emission factors, on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall record the engine hours of operation on a monthly basis and as a 12-month rolling sum, to include the following.

- (1) Hours for emergency use.
- (2) Hours for maintenance checks.
- (3) Hours for readiness testing.

(c) The permittee shall record the fuel used in the engine on a monthly basis and as a 12-month rolling sum.

(d) The permittee shall record all maintenance performed on the engine, to include the following.

- (1) Date of maintenance.
- (2) Type of maintenance performed.
- (3) Name of person or company performing the maintenance.

V. REPORTING REQUIREMENTS.

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

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

The engine must have a functional non-resettable hour meter installed.

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

This generator engine was manufactured by Caterpillar, Model No. C32 DITA, in 2002. The engine is rated at 755 bhp.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

In accordance with 40 CFR § 63.6586 this emergency stationary Reciprocating Internal Combustion Engine (RICE) is exempt from 40 CFR Part 63 Subpart ZZZZ because it is located at an Institutional facility, meets the definition of an emergency generator engine as defined in 40 CFR § 63.6675, and is operated in accordance with the provisions specified in 40 CFR § 63.6640(f).

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

As per 40 CFR § 63.6640(f), the permittee must operate this emergency stationary RICE according to the requirements in paragraphs (1) through (3) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3), is prohibited. If the permittee does not operate

**SECTION D. Source Level Requirements**

the engine according to the requirements in paragraphs (1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) The permittee may operate your emergency stationary RICE for the purpose specified in paragraph (2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee 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 permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(3) This emergency stationary RICE is located at area sources of HAP and may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2) of this section. The emergency stationary RICE cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

**SECTION D. Source Level Requirements**

Source ID: 037B

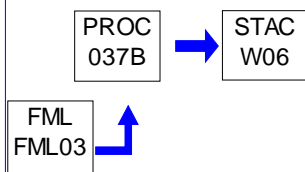
Source Name: EMERGENCY GENERATOR ENGINE (380 BHP)

Source Capacity/Throughput:

1.550 MMBTU/HR

11.200 Gal/HR

#2 Oil

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall only use ultra low sulfur diesel (ULSD) fuel in the generator engine.

(b) The sulfur in the ULSD shall not exceed 15 ppm.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of the generator engine shall not exceed 100 hours per year.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the engine hours of operation on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall monitor the amount of fuel used in the engine on a monthly basis and as a 12-month rolling sum.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall calculate and record the NOx emissions from the engine, using the latest AP-42 emission factors, on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall record the engine hours of operation on a monthly basis and as a 12-month rolling sum, to include the following.

- (1) Hours for emergency use.
- (2) Hours for maintenance checks.
- (3) Hours for readiness testing.

(c) The permittee shall record the fuel used in the engine on a monthly basis and as a 12-month rolling sum.

(d) The permittee shall record all maintenance performed on the engine, to include the following.

- (1) Date of maintenance.
- (2) Type of maintenance performed.
- (3) Name of person or company performing the maintenance.

V. REPORTING REQUIREMENTS.

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

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

The engine must have a functional non-resettable hour meter installed.

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

This generator engine was manufactured by Caterpillar, Model No. 3512, in 2002. The engine is rated at 380 bhp.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

In accordance with 40 CFR § 63.6586 this emergency stationary Reciprocating Internal Combustion Engine (RICE) is exempt from 40 CFR Part 63 Subpart ZZZZ because it is located at an Institutional facility, meets the definition of an emergency generator engine as defined in 40 CFR § 63.6675, and is operated in accordance with the provisions specified in 40 CFR § 63.6640(f).

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

As per 40 CFR § 63.6640(f), the permittee must operate this emergency stationary RICE according to the requirements in paragraphs (1) through (3) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3), is prohibited. If the permittee does not operate

**SECTION D. Source Level Requirements**

the engine according to the requirements in paragraphs (1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) The permittee may operate your emergency stationary RICE for the purpose specified in paragraph (2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee 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 permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(3) This emergency stationary RICE is located at area sources of HAP and may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2) of this section. The emergency stationary RICE cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

**SECTION D. Source Level Requirements**

Source ID: 039

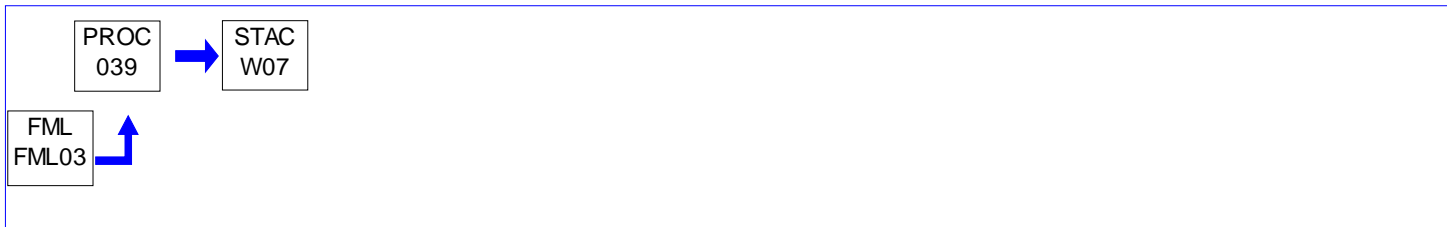
Source Name: EMERGENCY GENERATOR ENGINE (1,502 BHP & PEAK SHAVING)

Source Capacity/Throughput:

3.400 MMBTU/HR

72.000 Gal/HR

#2 Oil

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

The permittee shall only use Ultra Low Sulfur Diesel (ULSD) fuel in the generator engine.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

The ULSD fuel used in emergency generator engine shall meet the following per-gallon standards.

(a) A sulfur content of 15 ppm or less.

(b) A minimum cetane index of 40 or a maximum aromatic content 35 volume percent.

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

Operation of the generator engine shall not exceed 500 hours per year.

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

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor the amount of fuel used in the engine on a monthly basis and as a 12-month rolling sum.
- (b) The permittee shall monitor the total hours of operation of the engine on a monthly basis and as 12-month rolling sum.

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

The engine must have a functional non-resettable hour meter installed.

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

- (a) The permittee shall calculate and record the NOx emissions from the engine on a monthly basis and as a 12-month rolling sum.
 - (1) When calculating the above emission the permittee shall use the manufacturer's emission data, which is 4.93 g/hp-hr.
- (b) The permittee shall record the engine hours of operation on a monthly basis and as a 12-month rolling sum, to include the following.
 - (1) Hours for emergency use.
 - (2) Hours for peak shaving.
 - (3) Hours for maintenance checks.
 - (4) Hours for readiness testing.
- (c) The permittee shall record the fuel used in the engine on a monthly basis and as a 12-month rolling sum.
 - (1) The permittee shall record the sulfur content and cetane index or the aromatic content for each shipment of diesel fuel received.
 - (2) The information in (c)(1) shall be obtained by laboratory analysis or from the fuel supplier's certification.
- (d) The permittee shall record all maintenance performed on the engine, to include the following.
 - (1) Date of maintenance.
 - (2) Type of maintenance performed.
 - (3) Name of person or company performing the maintenance.

V. REPORTING REQUIREMENTS.**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

This emergency generator engine is subject to 40 CFR Part 60 Subpart III and shall comply with all applicable requirements of the Subpart. In accordance with 40 CFR Part 60 § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to.

United States Environmental Protection Agency
 Region III, Enforcement & Compliance Assurance Division
 Air, RCRA and Toxics Branch (3ED21)
 Four Penn Center

**SECTION D. Source Level Requirements**

1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) The generator engine is rated at greater than 1,000 horsepower and shall comply with this section and § 129.204 (relating to emission accountability).

(b) 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 that period.

(c) 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 the emission rate of 2.3 grams of NO_x per brake horsepower-hour.

010 [25 Pa. Code §129.204]**Emission accountability.**

(a) The permittee shall determine actual NO_x emissions in accordance with one of the following:

(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) 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.

(b) 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 less than 0.50 ton is deemed to equal zero tons.

(c) 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.

(d) By November 1 of each year, the permittee shall surrender the required NO_x allowances to the Department's designated NO_x allowance tracking system account and provide to the Department, in writing, the following.

**SECTION D. Source Level Requirements**

- (1) The serial number of each NO_x allowance surrendered.
- (2) The calculations used to determine the quantity of NO_x allowances required to be surrendered.
- (e) If the permittee fails to comply with subsection (d), the owner or operator shall by December 31 surrender three NO_x allowances of the current or later year vintage for each NO_x allowance that was required to be surrendered by November 1 of that year.
- (f) The surrender of NO_x allowances under subsection (e) does not affect the liability of the permittee of the unit 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 NO_x Annual Trading Program), replaced the provisions of 40 CFR Part 96, Subpart AA (relating to CAIR NO_x Annual Trading Program General Provisions), and remain in effect. On October 26, 2016, EPA promulgated the CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart EEEEE (relating to CSAPR NO_x Ozone Season Group 2 Trading Program), to replace the previously-established CAIR NO_x Ozone Season Trading Program and CSAPR NO_x Ozone Season Group 1 Trading Program for certain states, including Pennsylvania, beginning with the 2017 ozone season. On April 30, 2021, EPA promulgated the Revised CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart GGGGG (relating to CSAPR NO_x Ozone Season Group 3 Trading Program), to replace the provisions of 40 CFR Part 97, Subpart EEEEE, for certain states, including Pennsylvania, beginning with the 2021 ozone season (though DEP will accept CSAPR NO_x Ozone Season Group 2 allowances of current year vintage from other states, if available). Accordingly, the permittee shall surrender CSAPR NO_x Annual allowances and either CSAPR NO_x Ozone Season Group 2 allowances or CSAPR NO_x Ozone Season Group 3 allowances, as defined in 40 CFR §§ 97.402, 97.802, and 97.1002, respectively, instead of the CAIR NO_x allowances and CAIR NO_x Ozone Season allowances indicated in 25 Pa. Code § 129.204(c), as the latter are no longer available.]

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

- (a) The permittee must do all of the following.
- (1) Operate and maintain the generator engine according to the manufacturer's emission-related written instructions.
- (2) Change only those emission-related settings that are permitted by the manufacturer.
- (3) Meet the requirements of 40 CFR part 1068, as they apply to this Facility and Sources.
- (b) The permittee must operate the emergency stationary internal combustion engine (ICE) according to the requirements in paragraphs (b)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (b)(1) through (3), is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (b)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.
- (1) There is no time limit on the use of the emergency stationary ICE in emergency situations.
- (2) The permittee may operate the emergency stationary ICE for the purpose specified in paragraph (b)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (b)(2).

**SECTION D. Source Level Requirements**

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (b)(2) of this section. Except as provided in paragraph (b)(3)(i) of this section, the 50 hours per calendar year for nonemergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met.

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

VII. ADDITIONAL REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

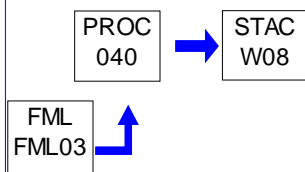
This generator engine was manufactured by Caterpillar, Model No. C32DITA, in 2009 and rated at 1,502 bhp.

**SECTION D. Source Level Requirements**

Source ID: 040

Source Name: EMERGENCY GENERATOR ENGINE (2,206 BHP)

Source Capacity/Throughput: 105.000 Gal/HR #2 Oil

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use Ultra Low Sulfur Diesel (ULSD) fuel in the generator engine.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

The ULSD fuel used in emergency generator engine shall meet the following per-gallon standards.

(a) A sulfur content of 15 ppm or less.

(b) A minimum cetane index of 40 or a maximum aromatic content 35 volume percent.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Operation of the generator engine shall not exceed 100 hours per year.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor the amount of fuel used in the engine on a monthly basis and as a 12-month rolling sum.
- (b) The permittee shall monitor the total hours of operation of the engine on a monthly basis and as 12-month rolling sum.

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

The engine must have a functional non-resettable hour meter installed.

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

- (a) The permittee shall calculate and record the NOx emissions from the engine on a monthly basis and as a 12-month rolling sum.
 - (1) When calculating the above emission the permittee shall use the manufacturer's emission data, which is 4.95 g/hp-hr.
- (b) The permittee shall record the engine hours of operation on a monthly basis and as a 12-month rolling sum, to include the following.
 - (1) Hours for emergency use.
 - (2) Hours for maintenance checks.
 - (3) Hours for readiness testing.
- (c) The permittee shall record the fuel used in the engine on a monthly basis and as a 12-month rolling sum.
 - (1) The permittee shall record the sulfur content and cetane index or the aromatic content for each shipment of diesel fuel received.
 - (2) The information in (c)(1) shall be obtained by laboratory analysis or from the fuel supplier's certification.
- (d) The permittee shall record all maintenance performed on the engine, to include the following.
 - (1) Date of maintenance.
 - (2) Type of maintenance performed.
 - (3) Name of person or company performing the maintenance.

V. REPORTING REQUIREMENTS.**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

This emergency generator engine is subject to 40 CFR Part 60 Subpart III and shall comply with all applicable requirements of the Subpart. In accordance with 40 CFR Part 60 § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to.

United States Environmental Protection Agency
 Region III, Enforcement & Compliance Assurance Division
 Air, RCRA and Toxics Branch (3ED21)
 Four Penn Center
 1600 John F. Kennedy Boulevard

**SECTION D. Source Level Requirements**

Philadelphia, Pennsylvania 19103-2852

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) The generator engine is rated at greater than 1,000 horsepower and shall comply with this section and § 129.204 (relating to emission accountability).

(b) 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 that period.

(c) 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 the emission rate of 2.3 grams of NO_x per brake horsepower-hour.

010 [25 Pa. Code §129.204]**Emission accountability.**

(a) The permittee shall determine actual NO_x emissions in accordance with one of the following:

(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) 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.

(b) 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 less than 0.50 ton is deemed to equal zero tons.

(c) 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 owner or operator's other facilities.

(d) By November 1 of each year, the permittee shall surrender the required NO_x allowances to the Department's designated NO_x allowance tracking system account and provide to the Department, in writing, the following.

**SECTION D. Source Level Requirements**

- (1) The serial number of each NOx allowance surrendered.
- (2) The calculations used to determine the quantity of NOx allowances required to be surrendered.
- (e) If the permittee fails to comply with subsection (d), 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.
- (f) The surrender of NOx allowances under subsection (e) does not affect the liability of the permittee of the unit 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.]

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

- (a) The permittee must do all of the following.
- (1) Operate and maintain the generator engine according to the manufacturer's emission-related written instructions.
- (2) Change only those emission-related settings that are permitted by the manufacturer.
- (3) Meet the requirements of 40 CFR part 1068, as they apply to this Facility and Sources.
- (b) The permittee must operate the emergency stationary internal combustion engine (ICE) according to the requirements in paragraphs (b)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (b)(1) through (3), is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (b)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.
- (1) There is no time limit on the use of the emergency stationary ICE in emergency situations.
- (2) The permittee may operate your emergency stationary ICE for the purpose specified in paragraph (b)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (b)(2).
- (i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are

**SECTION D. Source Level Requirements**

recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (b)(2) of this section. The 50 hours per calendar year for nonemergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

VII. ADDITIONAL REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This generator engine was manufactured by Caterpillar, Model No. 3512CDITA, in 2010 and is rated at 2,206 bhp.



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
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Site Emission Restriction Summary

Emission Limit		Pollutant
14.000 Tons/Yr	Based on a 12-month rolling sum	NOX

**SECTION H. Miscellaneous.**

(a) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- (1) Numerous NG-fired hot water heaters, with a total heat input of 2.0 Mcf/hr.
- (2) Several NG-fired air heaters, with a heat input of 2.5 Mcf/hr.
- (3) Two (2) natural gas-fired boilers, each having a heat input of less than 0.5 MMBtu/hr.

(b) The following previously issued Plan Approval 09-0059 serves as the basis for certain terms and conditions set forth in this Permit.

(c) The information in Section A is for informational purposes only.

(d) This Operating Permit (APS # 345746 AUTH # 697615) has been renewed.

(e) This Operating Permit (APS # 345746 AUTH # 944129) has been renewed.

(1) Source ID 038 (Diesel Emergency Generators) was removed from the permit. The permittee indicated that the 3 generators making up this source ID (255 kW, 500 kW and 180 kW) have been disconnected and removed from the site.

(2) Source ID 037 (Three No. 2 Fuel Oil Emergency Generators), has been renamed #2 Fuel Oil Emergency Generators. The facility removed the 350 kW generator that was associated with this source.

(3) This Source is not subject to 40 C.F.R. Subpart ZZZZ because the facility is considered "Institutional" as described in the definitions of 40 CFR 63.6675. Emergency generators located at Institutional facilities are exempt from this subpart according to 40 CFR 63.6590(3)(viii). However conditions have been added to the permit per the Federal Regulations to ensure the generators remain categorized as emergency in order to be exempt from this subpart.

(4) Source ID 032 (Superior Boiler 3) and Source ID 033 (Superior Boiler 4) are now subject to 40 CFR 63 Subpart JJJJJJ. Conditions have been added to the permit per the Federal Regulations.

(5) Source ID 040 (1500 kW Emergency Generator) was added to the permit.

(6) The generator was installed under RFD # 1570, approved by the Department on June 25, 2010.

(7) The generator is not subject to 40 C.F.R. 63 Subpart ZZZZ but is subject to 40 C.F.R. 60 Subpart IIII. Conditions have been added to the permit per the Federal Regulations.

(8) 40 CFR Subpart ZZZZ is not applicable to this source (Source ID 040) as the emergency generator is located at an Institutional facility as described in 40 CFR 63.6675. Emergency generators at Institutional facilities are exempt from this subpart according to 40 CFR 63.6590(3)(viii). However, conditions have been added to the permit per the Federal Regulations to ensure the generators remain categorized as emergency in order to be exempt from this subpart.

(9) The emission limits for this generator (Source ID 040), were determined from the exemption criteria that the generator was installed under.

(f) This Amendment, (APS # 345746, AUTH # 964552) incorporates Plan Approval 09-0059A and it's conditions for the 1000 kw diesel generator used for peak shaving and emergency use, Source ID 039.

(g) This Operating Permit (APS # 345746 AUTH # 1177685) has been renewed in February 2018.

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

**SECTION H. Miscellaneous.**

(h) February 2023, this Operating Permit has been renewed under AUTH ID No. 1397747 & APS ID No. 345746.

(1) Source IDs 032 & 033 (Boilers) have been removed from the operating permit because they are no longer in use and are decommissioned.

(2) The following General Permits have been incorporated into the Operating Permit.

(i) GP1-09-0112, Source ID 041 Burnham Boiler

(ii) GP1-09-0115, Source ID 042 Cleaver Brooks Boiler

(i) May 2024, this Amendment, issued under AUTH # 1483952 & APS # 345746, incorporates Plan Approval 09-0059B and its conditions for the Babcock & Wilcox 35.66 MMBtu/hr Boiler, Source ID 043.



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