



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**STATE ONLY OPERATING PERMIT**

Issue Date:	January 23, 2019	Effective Date:	March 5, 2019
Revision Date:	March 5, 2019	Expiration Date:	January 23, 2024
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: 15-00092**

Synthetic Minor

Federal Tax Id - Plant Code: 23-1352160-3

**Owner Information**

Name: MAIN LINE HOSP  
Mailing Address: 255 W LANCASTER AVE  
PAOLI, PA 19301-1792

**Plant Information**

Plant: MAIN LINE HOSPITALS INC/PAOLI MEM HOSP  
Location: 15 Chester County 15973 Willistown Township  
SIC Code: 8062 Services - General Medical And Surgical Hospitals

**Responsible Official**

Name: SHAUN VESSEX  
Title: VP, ADMINISTRATION  
Phone: (484) 227 - 3104

**Permit Contact Person**

Name: STEVEN MCELWAINE  
Title: SUPVR, GEN MAINT  
Phone: (484) 565 - 1453

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

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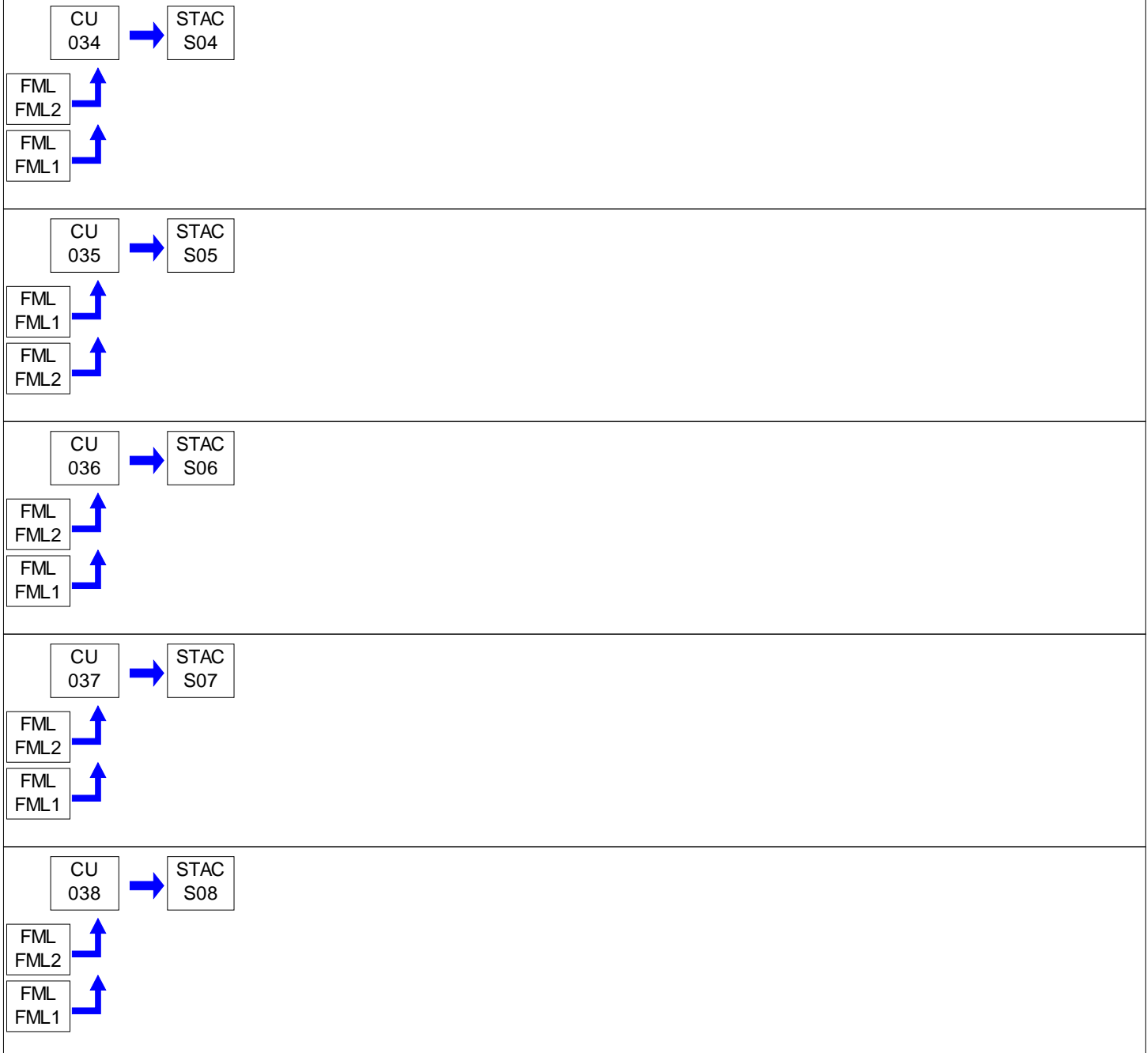
**Section G. Miscellaneous**

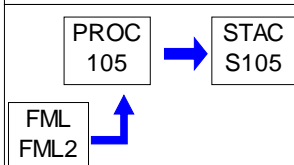
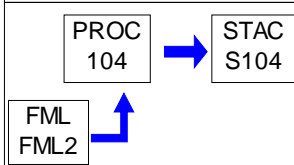
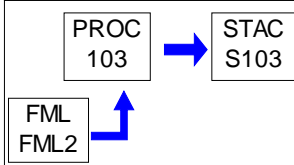
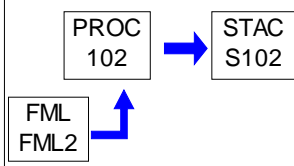
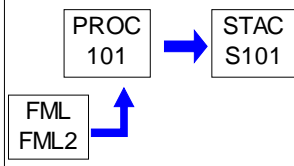
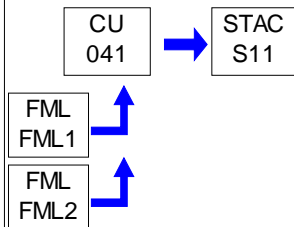
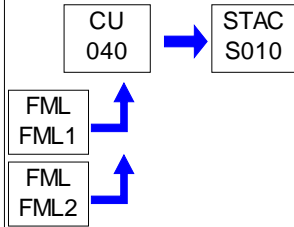
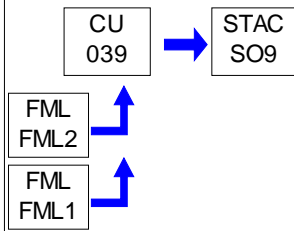
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
034	BOILER LP4 MODEL NO. CB400-250	10.461 MMBTU/HR	
		76.360 Gal/HR	#2 Oil
		10.156 MCF/HR	Natural Gas
035	BOILER HP1 MODEL NO. CB500-50	2.090 MMBTU/HR	
		15.260 Gal/HR	#2 Oil
		2.029 MCF/HR	Natural Gas
036	BOILER HP2 MODEL NO. CB900-50	2.090 MMBTU/HR	
		15.260 Gal/HR	#2 Oil
		2.029 MCF/HR	Natural Gas
037	BOILER HP3 MODEL NO. LN4SP.150	6.050 MMBTU/HR	
		44.160 Gal/HR	#2 Oil
		5.873 MCF/HR	Natural Gas
038	BOILER B1PV MODEL NO. RV600WFDGOLX	6.000 MMBTU/HR	
		36.790 Gal/HR	#2 Oil
		4.893 MCF/HR	Natural Gas
039	BOILER B2PV MODEL NO. RV600WFDGOLX	6.000 MMBTU/HR	
		36.790 Gal/HR	#2 Oil
		4.893 MCF/HR	Natural Gas
040	BOILER B3PV MODEL NO. RV600WFDGOLX	6.000 MMBTU/HR	
		36.790 Gal/HR	#2 Oil
		4.893 MCF/HR	Natural Gas
041	BOILER CLEAVER BROOKS CB(LE)	10.230 MMBTU/HR	
		9.932 MCF/HR	Natural Gas
		71.800 Gal/HR	#2 Oil
101	GENERATOR ENGINE G4 (300 KW-449 HP)	N/A	#2 Oil
102	GENERATOR ENGINE G3 (1000 KW-1495 HP)	N/A	#2 Oil
103	GENERATOR ENGINE G1 (1250 KW-1881 HP)	N/A	#2 Oil
104	GENERATOR ENGINE G2 (1250 KW-1881 HP)	N/A	#2 Oil
105	GENERATOR ENGINE G5 (60 KW-80 HP)	N/A	#2 Oil
200	TWO (2) ETO STERILIZERS	N/A	ETHYLENE OXIDE
FML1	NATURAL GAS		
FML2	NO. 2 FUEL OIL		
S010	BOILER STACK B3PV		
S04	BOILER STACK LP4		
S05	BOILER STACK HP1		
S06	BOILER STACK HP2		
S07	BOILER STACK HP3		
S08	BOILER STACK B1PV		
S101	GENERATOR ENGINE STACK G4		
S102	GENERATOR ENGINE STACK G3		
S103	GENERATOR ENGINE STACK G1		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S104	GENERATOR ENGINE STACK G2		
S105	GENERATOR ENGINE STACK G5		
S11	BOILER STACK CB(LE)		
S200	ETO STERILIZER STACK		
SO9	BOILER STACK B2PV		

**PERMIT MAPS**

**PERMIT MAPS**



**PERMIT MAPS**

PROC  
200



STAC  
S200

**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)&(c)]****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 and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (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 fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,



**SECTION B. General State Only Requirements**

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

**#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

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (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]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make 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 make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and,
- (i) Sources, and classes of sources, other than those identified in (a) - (e) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:
  - (1) The emissions are of minor significance with respect to causing air pollution; and,
  - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002, of this Section, if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

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

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

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

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

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

The total NOx emissions from this facility shall not exceed 24.9 tons in any 12 consecutive month period.

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

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

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

**Fuel Restriction(s).****# 009 [25 Pa. Code §123.22]****Combustion units**

The following applies to fuel oil used by combustion sources (i.e. boilers) and does not apply to fuel used by the emergency generators:

- (a) The sulfur content of fuel oil shall not exceed 0.05% by weight, except for as noted in paragraph (b), below.
- (b) Commercial fuel oil that was purchased and brought on site prior to July 1, 2016, which meets the sulfur limit of 0.3% by weight, may be used by the permittee on and after July 1, 2016.

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. § 60.42c(d) where applicable]



**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(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

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

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

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

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

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

Visible emissions may be measured using either of the following:

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements**

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

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

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

The permittee shall monitor and calculate the total NOx emissions for this facility on a monthly basis and on a 12 month rolling sum basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.22]

The permittee shall maintain on site documentation of the fuel oil supplier certification that includes the following information for each delivery of fuel oil:

- (a) The name of the oil supplier.
- (b) A statement that the sulfur content of the oil does not exceed:
  - (1) 0.3% by weight, if received prior to July 1, 2016.
  - (2) 0.05% by weight, if received after June 30, 2016.

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

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

The permittee shall record the total NOx emissions for the facility on a monthly basis and on a 12-month rolling sum basis.

**# 018 [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.

**V. REPORTING REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(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).

**SECTION C. Site Level Requirements**

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

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

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

- (a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or of a regulation contained in 25 Pa. Code Article III.
- (b) Malfunction(s) which occur at this facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe the following:
- (1) The malfunction(s).
  - (2) The emission(s).
  - (3) The duration.
  - (4) Any corrective action taken.

**SECTION C. Site Level Requirements****# 021 [25 Pa. Code §135.3]****Reporting**

(a) The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

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

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

A person responsible for any source specified in Condition #002 of this section, 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.

**# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the sources, listed in Section A, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with the manufacturer's specifications.

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

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

**VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

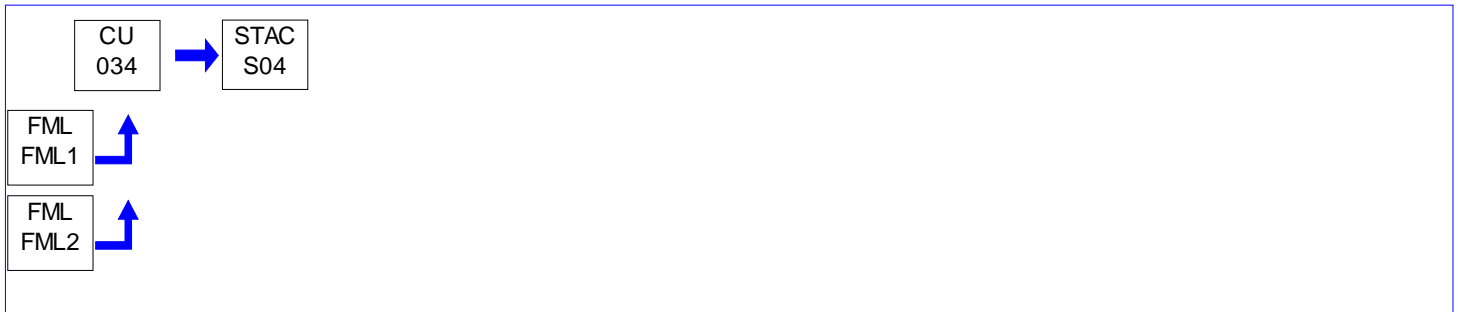
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: BOILER LP4 MODEL NO. CB400-250

Source Capacity/Throughput: 10.461 MMBTU/HR  
 76.360 Gal/HR #2 Oil  
 10.156 MCF/HR Natural Gas

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

Emissions of particulate matter (PM-total) from this combustion source shall not exceed 0.4 pounds per million BTU of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

When burning natural gas in this source, the permittee may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

The permittee shall use only natural gas as a primary fuel and No. 2 fuel oil as a backup fuel for this boiler.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]****SUBPART JJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

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

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this boiler on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use AP-42 emission factors when calculating the monthly NO<sub>x</sub> emissions for the boilers.

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

The permittee shall record the amount and type of fuel consumed each month for this boiler.

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

The permittee shall operate and maintain this boiler in accordance with manufacturer's specifications.

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

This combustion unit is manufactured by Cleaver Brooks, Model No. CB400-250. The serial number is L79680.

**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: BOILER HP1 MODEL NO. CB500-50

Source Capacity/Throughput:

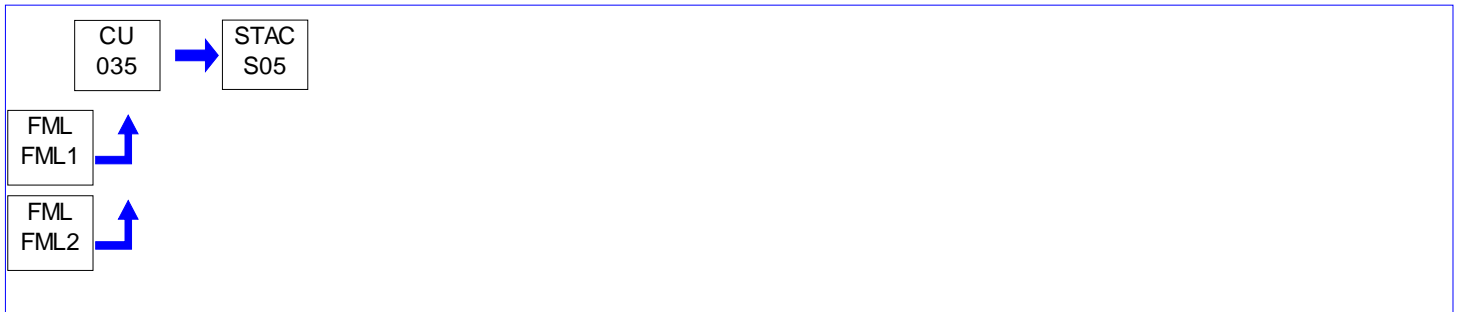
2.090 MMBTU/HR

15.260 Gal/HR

#2 Oil

2.029 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a primary fuel and No. 2 fuel oil as a backup fuel for this boiler.

# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

**IV. RECORDKEEPING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this boiler on a monthly basis and as a 12-month rolling sum basis.

**SECTION D. Source Level Requirements**

(b) The permittee shall use AP-42 emission factors when calculating the monthly NOx emissions for the boilers.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall record the amount and type of fuel consumed each month for this boiler.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall operate and maintain this boiler in accordance with manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This combustion unit is manufactured by Cleaver Brooks, Model No. CB500-50. The serial number is L61996.



**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: BOILER HP2 MODEL NO. CB900-50

Source Capacity/Throughput:

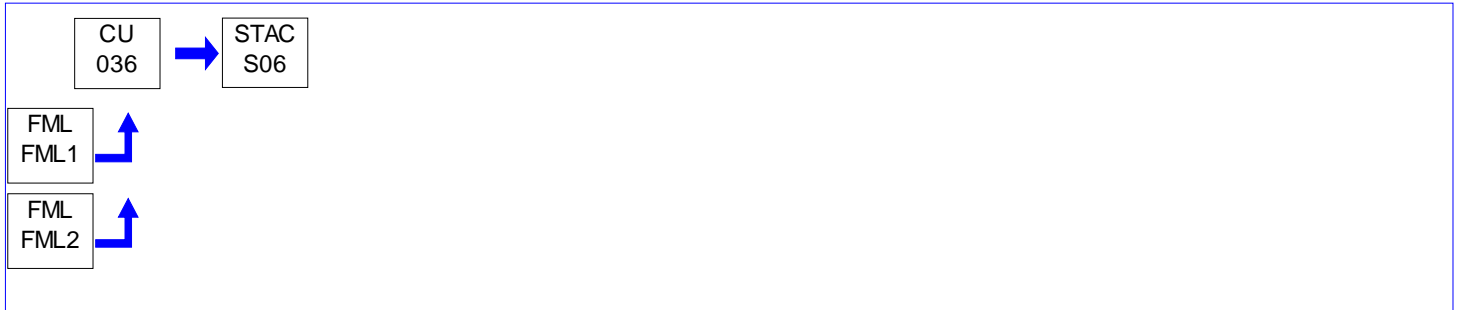
2.090 MMBTU/HR

15.260 Gal/HR

#2 Oil

2.029 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a primary fuel and No. 2 fuel oil as a backup fuel for this boiler.

# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

**IV. RECORDKEEPING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this boiler on a monthly basis and as a 12-month rolling sum basis.

**SECTION D. Source Level Requirements**

(b) The permittee shall use AP-42 emission factors when calculating the monthly NOx emissions for the boilers.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall record the amount and type of fuel consumed each month for this boiler.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall operate and maintain this boiler in accordance with manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This combustion unit is manufactured by Cleaver Brooks, Model No. CB900-50. The serial number is L78416.

**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: BOILER HP3 MODEL NO. LN4SP.150

Source Capacity/Throughput:

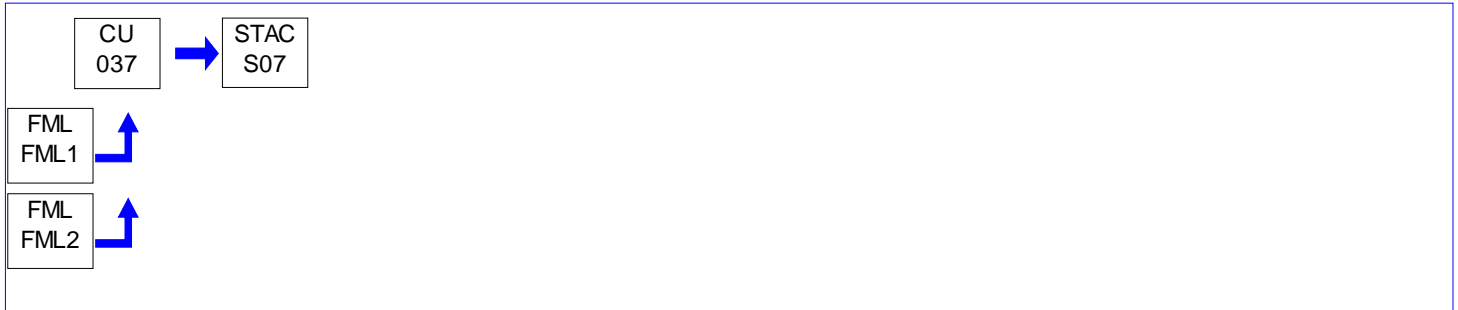
6.050 MMBTU/HR

44.160 Gal/HR

#2 Oil

5.873 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.11]

**Combustion units**

Emissions of particulate matter (PM-total) from this combustion source shall not exceed 0.4 pounds per million BTU of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

# 002 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a primary fuel and No. 2 fuel oil as a backup fuel for this boiler.

# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

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

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

(b) The permittee shall use AP-42 emission factors when calculating the monthly NOx emissions for the boilers.

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

The permittee shall record the amount and type of fuel consumed each month for this boiler.

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

The permittee shall operate and maintain this boiler in accordance with manufacturer's specifications.

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

This combustion unit is manufactured by Burnham Commercial, Model No. LN4SP. The serial number is 29934.

**SECTION D. Source Level Requirements**

Source ID: 038

Source Name: BOILER B1PV MODEL NO. RV600WFDGOLX

Source Capacity/Throughput:

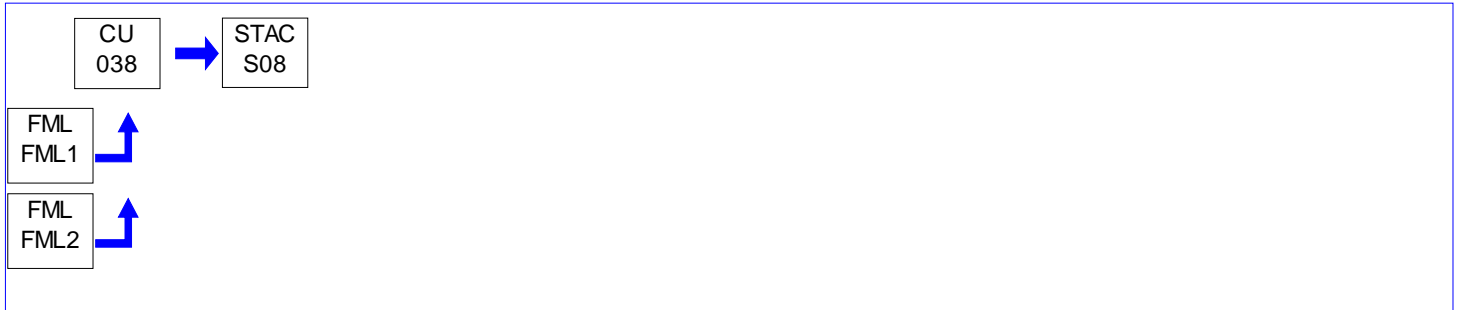
6.000 MMBTU/HR

36.790 Gal/HR

#2 Oil

4.893 MCF/HR

Natural Gas

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

Emissions of particulate matter (PM-total) from this combustion source shall not exceed 0.4 pounds per million BTU of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

The permittee shall use only natural gas as a primary fuel and No. 2 fuel oil as a backup fuel for this boiler.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

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

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this boiler on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use AP-42 emission factors when calculating the monthly NO<sub>x</sub> emissions for the boilers.

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

The permittee shall record the amount and type of fuel consumed each month for this boiler.

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

The permittee shall operate and maintain this boiler in accordance with manufacturer's specifications.

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

This combustion unit is manufactured by Bryan Boilers, Model No. RV600WFDGOLX. The serial number is 96075.

**SECTION D. Source Level Requirements**

Source ID: 039

Source Name: BOILER B2PV MODEL NO. RV600WFDGOLX

Source Capacity/Throughput:

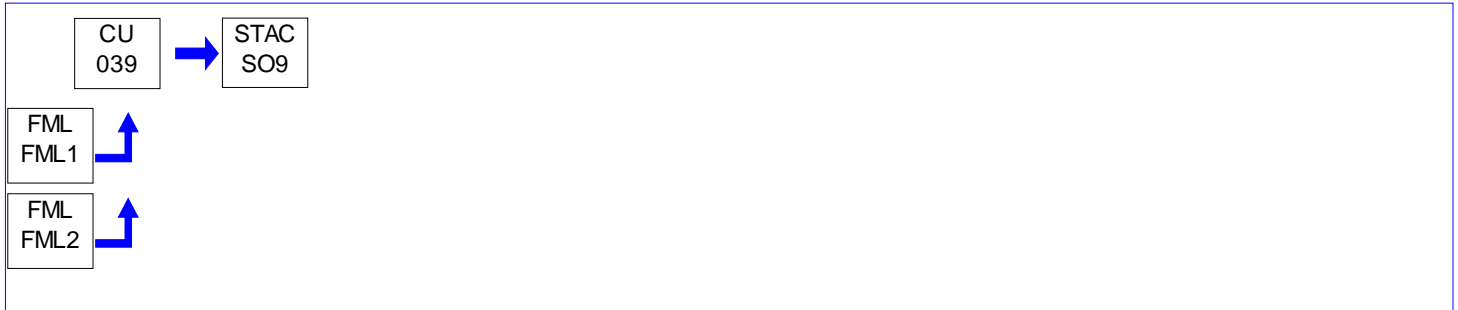
6.000 MMBTU/HR

36.790 Gal/HR

#2 Oil

4.893 MCF/HR

Natural Gas

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

Emissions of particulate matter (PM-total) from this combustion source shall not exceed 0.4 pounds per million BTU of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

The permittee shall use only natural gas as a primary fuel and No. 2 fuel oil as a backup fuel for this boiler.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

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

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this boiler on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use AP-42 emission factors when calculating the monthly NO<sub>x</sub> emissions for the boilers.

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

The permittee shall record the amount and type of fuel consumed each month for this boiler.

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

The permittee shall operate and maintain this boiler in accordance with manufacturer's specifications.

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

This combustion unit is manufactured by Bryan Boilers, Model No. RV600WFDGOLX. The serial number is 96070.



**SECTION D. Source Level Requirements**

Source ID: 040

Source Name: BOILER B3PV MODEL NO. RV600WFDGOLX

Source Capacity/Throughput:

6.000 MMBTU/HR

36.790 Gal/HR

#2 Oil

4.893 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.11]

**Combustion units**

Emissions of particulate matter (PM-total) from this combustion source shall not exceed 0.4 pounds per million BTU of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

# 002 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a primary fuel and No. 2 fuel oil as a backup fuel for this boiler.

# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]

**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

(a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

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

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this boiler on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use AP-42 emission factors when calculating the monthly NO<sub>x</sub> emissions for the boilers.

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

The permittee shall record the amount and type of fuel consumed each month for this boiler.

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

The permittee shall operate and maintain this boiler in accordance with manufacturer's specifications.

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

This combustion unit is manufactured by Bryan Boilers, Model No. RV600WFDGOLX. The serial number is 96076.

**SECTION D. Source Level Requirements**

Source ID: 041

Source Name: BOILER CLEAVER BROOKS CB(LE)

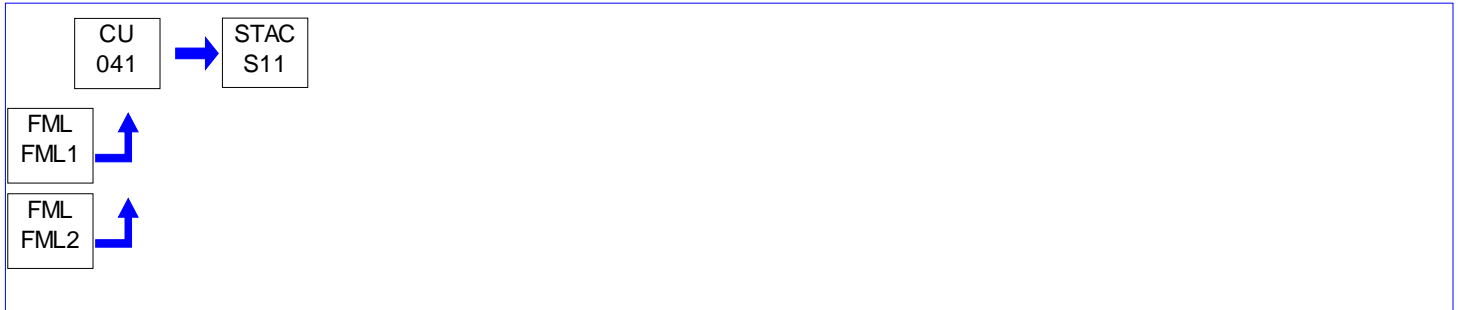
Source Capacity/Throughput: 10.230 MMBTU/HR

9.932 MCF/HR

Natural Gas

71.800 Gal/HR

#2 Oil

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

Emissions of particulate matter (PM-total) from this combustion source shall not exceed 0.4 pounds per million BTU of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

When burning natural gas in this source, the permittee may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as sulfur dioxide, from this source, in excess of the rate of 1.2 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

This combustion unit shall not exceed the following emission limits:

- (a) 30 ppm<sub>dv</sub> NO<sub>x</sub> at 3% oxygen, when firing natural gas.
- (b) 90 ppm<sub>dv</sub> NO<sub>x</sub> at 3% oxygen, when firing No. 2 fuel oil.
- (b) 300 ppm<sub>dv</sub> CO at 3% oxygen, regardless of fuel type burned.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Standard for sulfur dioxide.**

When burning fuel oil, this combustion source shall not result in emissions of SO<sub>x</sub>, expressed as SO<sub>2</sub>, in excess of 215 ng/J (0.50 lb/million Btu) heat input, pursuant to 40 C.F.R. § 60.42c(d).

[Compliance with the fuel oil sulfur content requirement under Section C, "Fuel Restriction(s)", assures compliance with this requirement and 25 Pa. Code § 123.22(e)(1)]

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

The permittee shall only burn natural gas in this combustion unit as the primary fuel and No. 2 fuel oil as a backup fuel.

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

- (a) The boiler is not subject to this subpart and to any requirements in this subpart as long as the boiler meets the definition of a gas-fired boiler as defined in this subpart.

**SECTION D. Source Level Requirements**

(b) A gas-fired boiler is defined as 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 periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

**II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §139.3]****General requirements.**

(a) If the permittee should ever use 51,480 gallons or more of fuel oil over a 12-month rolling period, then the permittee shall perform stack testing while burning fuel oil to demonstrate compliance to the short-term emission limits for NO<sub>x</sub> and CO that are applicable to this source.

(b) Testing shall be conducted in accordance with the provisions of Chapter 139 of Article III of the Rules and Regulations of the Department of Environmental Protection and any other requirements which may be established by the Department such that the test method complies with the requirements of General Plan Approval and/or General Operating Permit BAQ-GPA/GP-1.

(c) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval one paper copy plus one electronic copy to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(d) At least thirty (30) days prior to the test, the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test, the permittee shall submit one paper copy plus one electronic copy of the source test report to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

(g) Any questions or concerns about source testing submissions can be sent to [RA-EPstacktesting@pa.gov](mailto:RA-EPstacktesting@pa.gov) and the PSIMS Administrator will address them. The following are the mail and email addresses for the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office:

Central Office  
 Pennsylvania Department of Environmental Protection  
 Attn: PSIMS Administrator  
 P.O. Box 8468  
 Harrisburg, PA 17105-8468  
[RA-EPstacktesting@pa.gov](mailto:RA-EPstacktesting@pa.gov)

Southeast Region  
 Pennsylvania Department of Environmental Protection  
 Attn: Air Quality Program Manager  
 2 East Main Street  
 Norristown, PA 19401  
[RA-EPSEstacktesting@pa.gov](mailto:RA-EPSEstacktesting@pa.gov)

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.48c(g)(3)]

**SECTION D. Source Level Requirements**

- (a) The Donlee Tech Boiler shall be equipped with the necessary meter(s) to determine and to record amount of fuel usage.
- (b) The permittee shall monitor the amount and type of fuel consumed each month for this boiler.

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

The permittee shall record emissions of NOx on a monthly basis and as a 12-month rolling sum for this source.

**# 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.**

As provided by 40 C.F.R. § 60.48(g)(2), the permittee shall record and maintain records of the amount and type of fuel combusted during each calendar month.

**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.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.19(f)]

(a) The permittee shall submit semi-annual reports for fuel oil usage and certification to the U.S. EPA and the Department in the following manner:

- (1) For each period between January 1 to June 30, the permittee shall submit reports for the 6 month period to the U.S. EPA and the Department no later than July 30 after the reporting period.
- (2) For each period between July 1 to December 31, the permittee shall submit reports for the 6 month period to the U.S. EPA and the Department no later than January 30 after the reporting period.

(b) The reports required in paragraph (a), above, shall include, but is not limited to, the following:

- (1) The calendar dates covered in the reporting period.
- (2) Each 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period.
- (3) The reasons for any non-compliance with sulfur dioxide emissions standards and the corrective actions taken.
- (4) A certified statement signed by the owner/operator of the affected facility that the records of fuel supplier certifications submitted represent all the fuel combusted during the reporting period.

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

The Donlee Tech Boiler shall be:

- (a) Operated in such a manner as not to cause air pollution.
- (b) Operated and maintained in a manner consistent with good operating and maintenance practices.
- (c) Operated and maintained in accordance with the manufacturer's specifications.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This combustion unit is manufactured by Cleaver Brooks, Model No. CB-LE/200-250-150ST. The serial number is T5515-1-1.

(b) This combustion source shall be equipped with flue gas recirculation (FGR) and low-NOx burner technology.

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

Pursuant to 40 C.F.R. § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the appropriate Regional Office of the Department. The EPA copies shall be forwarded to:

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

**SECTION D. Source Level Requirements**

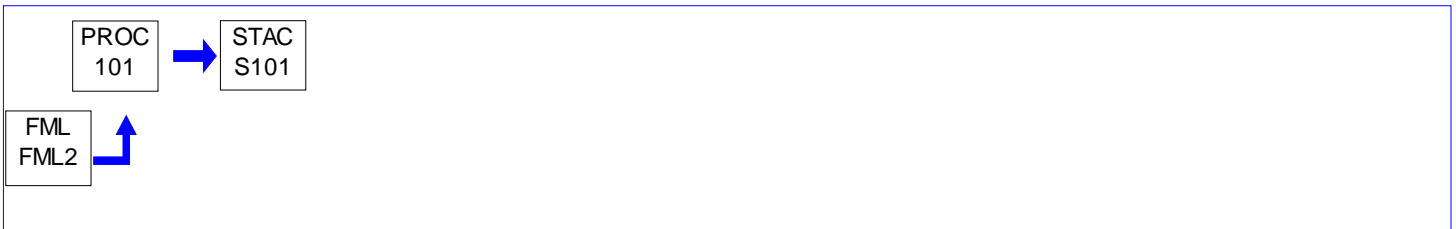
Source ID: 101

Source Name: GENERATOR ENGINE G4 (300 KW-449 HP)

Source Capacity/Throughput:

N/A

#2 Oil

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

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

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

All emergency generator engines that are exempt from Plan Approval requirements at this facility shall not exceed the following combined NO<sub>x</sub> emission limits:

- (1) 100 lbs per hour,
- (2) 1000 lbs per day,
- (3) 2.75 tons per ozone season (May 1 through September 30), and
- (4) 6.6 tons per year, on a 12-month rolling basis.

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

This emergency generator shall not operate more than 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

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

A time totalizing meter shall be used to measure the run time for this emergency generator.

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

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this generator engine on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use AP-42 emission factors when calculating the monthly NO<sub>x</sub> emissions for the generator engine.

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

(a) The permittee must keep records of the maintenance conducted on the stationary RICE.

**SECTION D. Source Level Requirements**

(b) The permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee must operate and maintain the generator engine according to the manufacturer's emission-related written instructions for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) The permittee must install a non-resettable hour meter if one is not already installed.

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

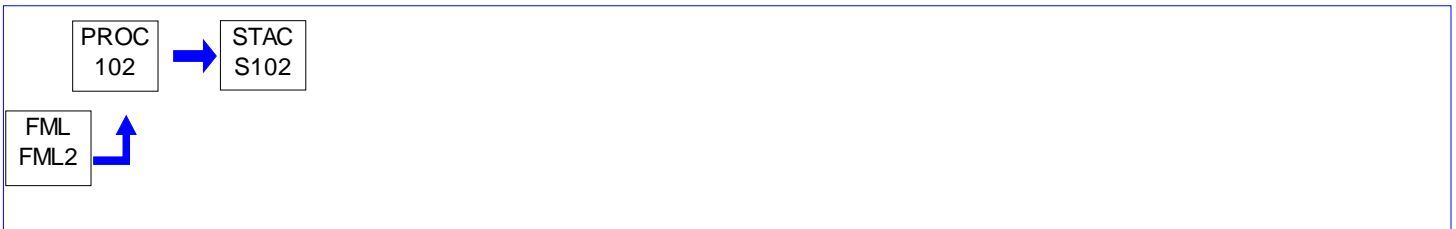
Source ID: 102

Source Name: GENERATOR ENGINE G3 (1000 KW-1495 HP)

Source Capacity/Throughput:

N/A

#2 Oil

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

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

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

All emergency generator engines that are exempt from Plan Approval requirements at this facility shall not exceed the following combined NO<sub>x</sub> emission limits:

- (1) 100 lbs per hour,
- (2) 1000 lbs per day,
- (3) 2.75 tons per ozone season (May 1 through September 30), and
- (4) 6.6 tons per year, on a 12-month rolling basis.

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

This emergency generator shall not operate more than 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

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

A time totalizing meter shall be used to measure the run time for this emergency generator.

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

(a) The permittee shall monitor and record the NO<sub>x</sub> emissions from this generator engine on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use AP-42 emission factors when calculating the monthly NO<sub>x</sub> emissions for the generator engine.

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

(a) The permittee must keep records of the maintenance conducted on the stationary RICE.

**SECTION D. Source Level Requirements**

(b) The permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

**V. REPORTING REQUIREMENTS.**

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

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

(a) The permittee must operate and maintain the generator engine according to the manufacturer's emission-related written instructions for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) The permittee must install a non-resettable hour meter if one is not already installed.

**VII. ADDITIONAL REQUIREMENTS.****# 008 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) The permittee 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 by 2.3 grams of NO<sub>x</sub> per brake horsepower-hour.

**# 009 [25 Pa. Code §129.204]****Emission accountability.**

(a) This section applies to units described in §129.203.

(b) The owner shall determine actual emissions by using 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."

(c) The owner shall comply with the remainder of §129.204 if the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30.

**SECTION D. Source Level Requirements**

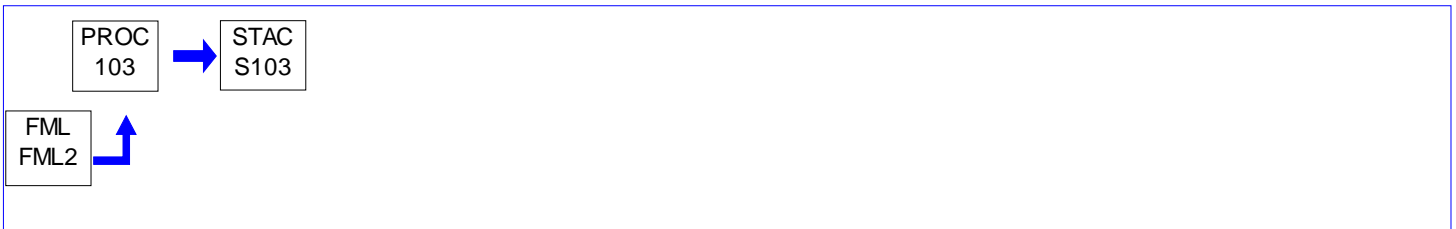
Source ID: 103

Source Name: GENERATOR ENGINE G1 (1250 KW-1881 HP)

Source Capacity/Throughput:

N/A

#2 Oil

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

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

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

All emergency generator engines that are exempt from Plan Approval requirements at this facility shall not exceed the following combined NO<sub>x</sub> emission limits:

- (1) 100 lbs per hour,
- (2) 1000 lbs per day,
- (3) 2.75 tons per ozone season (May 1 through September 30), and
- (4) 6.6 tons per year, on a 12-month rolling basis.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall comply with the emission standards in Table 1 of 40 CFR § 89.112, as listed below:

- (1) HC - 1.3 g/kW-hr, (1.0 g/hp-hr)
- (2) NO<sub>x</sub> - 9.2 g/kW-hr, (6.9 g/hp-hr)
- (3) CO - 3.5 g/kW-hr, (2.6 g/hp-hr)
- (4) PM - 0.20 g/kW-hr, (0.15 g/hp-hr)

(b) The permittee shall comply with the visible emission standards of 40 CFR § 89.113, as listed below:

- (1) 20% during the acceleration mode;
- (2) 15% during the lugging mode; and
- (3) 50% during the peaks in either the acceleration or lugging modes.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

(a) Beginning June 1, 2012, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(c) for nonroad diesel fuel.

(b) Owners and operators of pre-2011 model year stationary CI ICE subject to this subpart may petition the Administrator for approval to use remaining non-compliant fuel that does not meet the fuel requirements of paragraphs (a) of this section beyond the dates required for the purpose of using up existing fuel inventories. If approved, the petition will be valid for a period of up to 6 months. If additional time is needed, the owner or operator is required to submit a new petition to the

**SECTION D. Source Level Requirements**

Administrator.

**Operation Hours Restriction(s).**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This emergency generator shall not operate more than 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

A time totalizing meter shall be used to measure the run time for this emergency generator.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall monitor and record the NOx emissions from this generator engine on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use the manufacturer's emission data to calculate the NOx emissions and to meet the requirements of 40 CFR Part 60 Subpart III § 60.4205.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee must keep records of the maintenance conducted on the stationary RICE.

(b) The permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 009 [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 comply with the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the permittee.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 010 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

- (a) The permittee 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 by 2.3 grams of NOx per brake horsepower-hour.

**# 011 [25 Pa. Code §129.204]****Emission accountability.**

- (a) This section applies to units described in §129.203.
- (b) The owner shall determine actual emissions by using 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."
- (c) The owner shall comply with the remainder of §129.204 if the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30.

**SECTION D. Source Level Requirements**

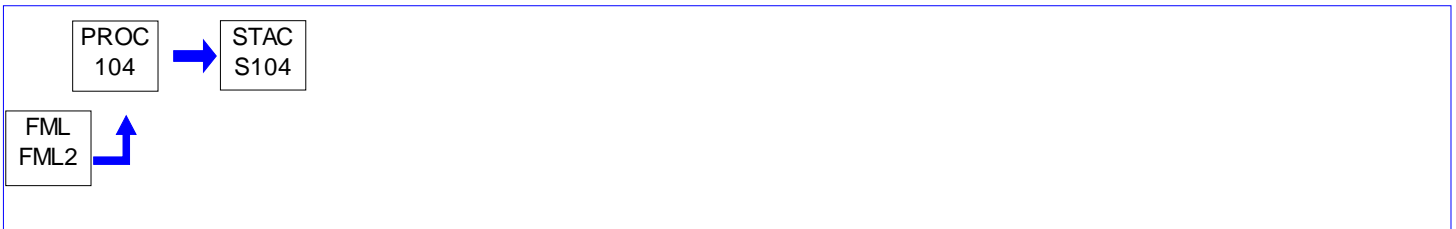
Source ID: 104

Source Name: GENERATOR ENGINE G2 (1250 KW-1881 HP)

Source Capacity/Throughput:

N/A

#2 Oil

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

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

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

All emergency generator engines that are exempt from Plan Approval requirements at this facility shall not exceed the following combined NO<sub>x</sub> emission limits:

- (1) 100 lbs per hour,
- (2) 1000 lbs per day,
- (3) 2.75 tons per ozone season (May 1 through September 30), and
- (4) 6.6 tons per year, on a 12-month rolling basis.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall comply with the emission standards in Table 1 of 40 CFR § 89.112, as listed below:

- (1) HC - 1.3 g/kW-hr, (1.0 g/hp-hr)
- (2) NO<sub>x</sub> - 9.2 g/kW-hr, (6.9 g/hp-hr)
- (3) CO - 3.5 g/kW-hr, (2.6 g/hp-hr)
- (4) PM - 0.20 g/kW-hr, (0.15 g/hp-hr)

(b) The permittee shall comply with the visible emission standards of 40 CFR § 89.113, as listed below:

- (1) 20% during the acceleration mode;
- (2) 15% during the lugging mode; and
- (3) 50% during the peaks in either the acceleration or lugging modes.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

(a) Beginning June 1, 2012, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(c) for nonroad diesel fuel.

(b) Owners and operators of pre-2011 model year stationary CI ICE subject to this subpart may petition the Administrator for approval to use remaining non-compliant fuel that does not meet the fuel requirements of paragraphs (a) of this section beyond the dates required for the purpose of using up existing fuel inventories. If approved, the petition will be valid for a period of up to 6 months. If additional time is needed, the owner or operator is required to submit a new petition to the

**SECTION D. Source Level Requirements**

Administrator.

**Operation Hours Restriction(s).**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This emergency generator shall not operate more than 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

A time totalizing meter shall be used to measure the run time for this emergency generator.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall monitor and record the NOx emissions from this generator engine on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use the manufacturer's emission data to calculate the NOx emissions and to meet the requirements of 40 CFR Part 60 Subpart III § 60.4205.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee must keep records of the maintenance conducted on the stationary RICE.

(b) The permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 009 [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 comply with the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the permittee.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 010 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

- (a) The permittee 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 by 2.3 grams of NO<sub>x</sub> per brake horsepower-hour.

**# 011 [25 Pa. Code §129.204]****Emission accountability.**

- (a) This section applies to units described in §129.203.
- (b) The owner shall determine actual emissions by using 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."
- (c) The owner shall comply with the remainder of §129.204 if the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30.



**SECTION D. Source Level Requirements**

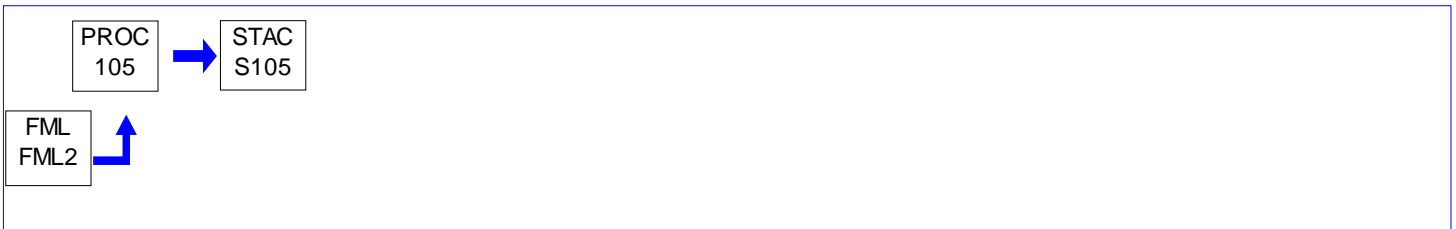
Source ID: 105

Source Name: GENERATOR ENGINE G5 (60 KW-80 HP)

Source Capacity/Throughput:

N/A

#2 Oil

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

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

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

All emergency generator engines that are exempt from Plan Approval requirements at this facility shall not exceed the following combined NO<sub>x</sub> emission limits:

- (1) 100 lbs per hour,
- (2) 1000 lbs per day,
- (3) 2.75 tons per ozone season (May 1 through September 30), and
- (4) 6.6 tons per year, on a 12-month rolling basis.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall comply with the emission standards in Table 1 of 40 CFR § 89.112, as listed below:

- (1) NMHC + NO<sub>x</sub> - 4.7 g/kW-hr, (3.5 g/hp-hr)
- (2) NO<sub>x</sub> - 9.2 g/kW-hr, (6.9 g/hp-hr)
- (3) CO - 5.0 g/kW-hr, (3.7 g/hp-hr)
- (4) PM - 0.40 g/kW-hr, (0.30 g/hp-hr)

(b) The permittee shall comply with the visible emission standards of 40 CFR § 89.113, as listed below:

- (1) 20% during the acceleration mode;
- (2) 15% during the lugging mode; and
- (3) 50% during the peaks in either the acceleration or lugging modes.

**Fuel Restriction(s).****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

(a) Beginning June 1, 2012, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(c) for nonroad diesel fuel.

(b) Owners and operators of pre-2011 model year stationary CI ICE subject to this subpart may petition the Administrator for approval to use remaining non-compliant fuel that does not meet the fuel requirements of paragraphs (a) of this section

**SECTION D. Source Level Requirements**

beyond the dates required for the purpose of using up existing fuel inventories. If approved, the petition will be valid for a period of up to 6 months. If additional time is needed, the owner or operator is required to submit a new petition to the Administrator.

**Operation Hours Restriction(s).**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This emergency generator shall not operate more than 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

A time totalizing meter shall be used to measure the run time for this emergency generator.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall monitor and record the NOx emissions from this generator engine on a monthly basis and as a 12-month rolling sum basis.

(b) The permittee shall use the manufacturer's emission data to calculate the NOx emissions and to meet the requirements of 40 CFR Part 60 Subpart III § 60.4205.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee must keep records of the maintenance conducted on the stationary RICE.

(b) The permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 009 [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 comply with the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to the permittee.



## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

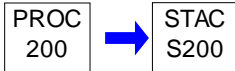
Source ID: 200

Source Name: TWO (2) ETO STERILIZERS

Source Capacity/Throughput:

N/A

ETHYLENE OXIDE

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10432]  
Subpart WWWW - National Emission Standards for Hospital Ethylene Oxide Sterilizers  
What records must I keep?**

The permittee shall maintain and record the following records:

- (a) A copy of the Initial Notification of Compliance Status that you submitted to comply with 40 C.F.R. Part 63, Subpart WWWW.
- (b) Records required by 40 C.F.R. § 63.10420 for each sterilization unit not equipped with an air pollution control device.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10434]  
Subpart WWWW - National Emission Standards for Hospital Ethylene Oxide Sterilizers  
In what form and for how long must I keep my records?**

- (a) Records must be in a form suitable and readily available for expeditious review.
- (b) The permittee must keep each record for 5 years following the date of each record.
- (c) The permittee must keep each record onsite for at least 2 years after the date of each record. The permittee may keep the records offsite for the remaining 3 years.

**V. REPORTING REQUIREMENTS.**

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10430]  
Subpart WWWW - National Emission Standards for Hospital Ethylene Oxide Sterilizers  
What notifications must I submit and by when?**

The permittee shall comply with the notification requirements of 40 C.F.R. § 63.10430.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10390]  
Subpart WWWW - National Emission Standards for Hospital Ethylene Oxide Sterilizers  
What management practice standard must I meet?**

**SECTION D. Source Level Requirements**

The permittee shall sterilize full loads of items having a common aeration time, except under medically necessary circumstances, as that term is defined in 40 C.F.R. § 63.10448.

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10382]  
Subpart WWWW - National Emission Standards for Hospital Ethylene Oxide Sterilizers  
Am I subject to this subpart**

The ethylene oxide sterilizers shall comply with the requirements of 40 C.F.R. Part 63, Subpart WWWW.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor		
034	BOILER LP4 MODEL NO. CB400-250		
<b>Emission Limit</b>			
1.200	Lbs/MMBTU	Applies when burning natural gas	SOX
0.400	Lbs/MMBTU		TSP
035	BOILER HP1 MODEL NO. CB500-50		
<b>Emission Limit</b>			
1.200	Lbs/MMBTU		SOX
036	BOILER HP2 MODEL NO. CB900-50		
<b>Emission Limit</b>			
1.200	Lbs/MMBTU		SOX
037	BOILER HP3 MODEL NO. LN4SP.150		
<b>Emission Limit</b>			
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
038	BOILER B1PV MODEL NO. RV600WFDGOLX		
<b>Emission Limit</b>			
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
039	BOILER B2PV MODEL NO. RV600WFDGOLX		
<b>Emission Limit</b>			
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
040	BOILER B3PV MODEL NO. RV600WFDGOLX		
<b>Emission Limit</b>			
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
041	BOILER CLEAVER BROOKS CB(LE)		
<b>Emission Limit</b>			
300.000	PPMV	On a dry volume basis, corrected to 3% O2	CO
30.000	PPMV	For natural gas; on a dry volume basis, corrected to 3% O2	NOX
90.000	PPMV	For No. 2 fuel oil; on a dry volume basis, corrected to 3% O2	NOX
0.500	Lbs/MMBTU	Applies when burning fuel oil	SOX
1.200	Lbs/MMBTU	Applies when burning natural gas	SOX
0.400	Lbs/MMBTU		TSP

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor		
101	GENERATOR ENGINE G4 (300 KW-449 HP)		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.750	Tons/OZNESEAS	Combined for all exempt engines	NOX
6.600	Tons/Yr	Combined for all exempt engines, on a 12-month rolling basis	NOX
100.000	Lbs/Hr	Combined for all exempt engines	NOX
1,000.000	Lbs/Day	Combined for all exempt engines	NOX
500.000	PPMV	Determined on a dry basis	SOX
102	GENERATOR ENGINE G3 (1000 KW-1495 HP)		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.750	Tons/OZNESEAS	Combined for all exempt engines	NOX
6.600	Tons/Yr	Combined for all exempt engines, on a 12-month rolling basis	NOX
100.000	Lbs/Hr	Combined for all exempt engines	NOX
1,000.000	Lbs/Day	Combined for all exempt engines	NOX
500.000	PPMV	Determined on a dry basis	SOX
103	GENERATOR ENGINE G1 (1250 KW-1881 HP)		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.750	Tons/OZNESEAS	Combined for all exempt engines	NOX
6.600	Tons/Yr	Combined for all exempt engines, on a 12-month rolling basis	NOX
100.000	Lbs/Hr	Combined for all exempt engines	NOX
1,000.000	Lbs/Day	Combined for all exempt engines	NOX
500.000	PPMV	Determined on a dry basis	SOX
104	GENERATOR ENGINE G2 (1250 KW-1881 HP)		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.750	Tons/OZNESEAS	Combined for all exempt engines	NOX
6.600	Tons/Yr	Combined for all exempt engines, on a 12-month rolling basis	NOX
100.000	Lbs/Hr	Combined for all exempt engines	NOX
1,000.000	Lbs/Day	Combined for all exempt engines	NOX
500.000	PPMV	Determined on a dry basis	SOX
105	GENERATOR ENGINE G5 (60 KW-80 HP)		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.750	Tons/OZNESEAS	Combined for all exempt engines	NOX
6.600	Tons/Yr	Combined for all exempt engines, on a 12-month rolling basis	NOX
100.000	Lbs/Hr	Combined for all exempt engines	NOX
1,000.000	Lbs/Day	Combined for all exempt engines	NOX
500.000	PPMV	Determined on a dry basis	SOX





**SECTION F. Emission Restriction Summary.**

**Site Emission Restriction Summary**

Emission Limit	Pollutant
24.900 Tons/Yr	NOX

**SECTION G. Miscellaneous.**

- (a) April 7, 2013. This authorization (AUTH ID: 378167; APS ID: 365474) is for an initial State Only Operating Permit. Issuance of this operating permit also addresses a change of ownership from Paoli Memorial Hospital to Main Line Hospitals, Inc, DBA Paoli Memorial Hospital.
- (b) April 30, 2008. This State Only Operating Permit (AUTH ID: 697632; APS ID: 365474) has been renewed for another 5-year term.
- (c) February 4, 2009. This State Only Operating Permit (AUTH ID: 780549; APS ID: 685413) has been amended to reflect a change in ownership.
- (d) April 10, 2013. This State Only Operating Permit (AUTH ID: 947395; APS ID: 685413) has been renewed for another 5-year term. This operating permit incorporates two boilers, three emergency generator engines, and three hot water heaters. The three generator engines were exempted from plan approval requirements by the Department through RFD No. 2197. The two new boilers and three new hot water heaters are also exempt from plan approval requirements since they all have individual heat input of less than 10 MMBtu/hr and use natural gas as a fuel.
- (e) The following sources have been deemed insignificant sources, such that they do not require a Plan Approval, but emissions from these sources are required to be reflected in the site-wide NOx emission calculations if NOx emissions occur:
- (1) Gas stove, manufactured by Southbend, Model No. P36C-XX (180,000 Btu/hr)
  - (2) Gas stove, manufactured by Southbend, Model No. P12C-B (66,000 Btu/hr)
  - (3) Gas charbroiler, manufactured by Globe, Model No. GCB15G-CR (40,000 Btu/hr)
  - (4) Gas griddle, manufactured by Southbend, Model No. HDG-36 (90,000 Btu/hr)
  - (5) Gas stove, manufactured by US Range, Model No. C0836-6 (220,000 Btu/hr)
  - (6) Gas oven, manufactured by Blodgett, Model No. DFG-200-ES (100,000 Btu/hr)
- (f) This State Only Operating Permit (AUTH ID: 1187145; APS ID: 685413) has been renewed for another 5-year term.
- (g) This State Only Operating Permit (AUTH ID: 1262618; APS ID: 685412) has been amended to make the following corrections to the operating permit:
- (1) The removal of NSPS requirements for Source ID 034, as the source was installed before June 10, 1989.
  - (2) The removal of Source IDs 042, 043, and 044, as they were duplicate sources of Source IDs 038, 039, and 040.



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

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