



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: November 19, 2012

Effective Date: November 19, 2012

Expiration Date: November 19, 2017

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

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

State Only Permit No: 46-00258

Synthetic Minor

Federal Tax Id - Plant Code: 23-1352621-1

Owner Information

Name: BRYN MAWR COLL
Mailing Address: 101 N MERION AVE
BRYN MAWR, PA 19010-2899

Plant Information

Plant: BRYN MAWR COLL/BRYN MAWR
Location: 46 Montgomery County 46002 Lower Merion Township
SIC Code: 8221 Services - Colleges And Universities

Responsible Official

Name: DONALD ABRAMOWITZ
Title: EHS OFFICER
Phone: (610) 526 - 5166

Permit Contact Person

Name: DONALD ABRAMOWITZ
Title: EHS OFFICER
Phone: (610) 526 - 5166

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

SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.

Section C. Site Level State Only Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level State Only Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

Section E. Alternative Operating Scenario(s)

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements



SECTION A. Table of Contents

E-IV: Recordkeeping Requirements
E-V: Reporting Requirements
E-VI: Work Practice Standards
E-VII: Additional Requirements

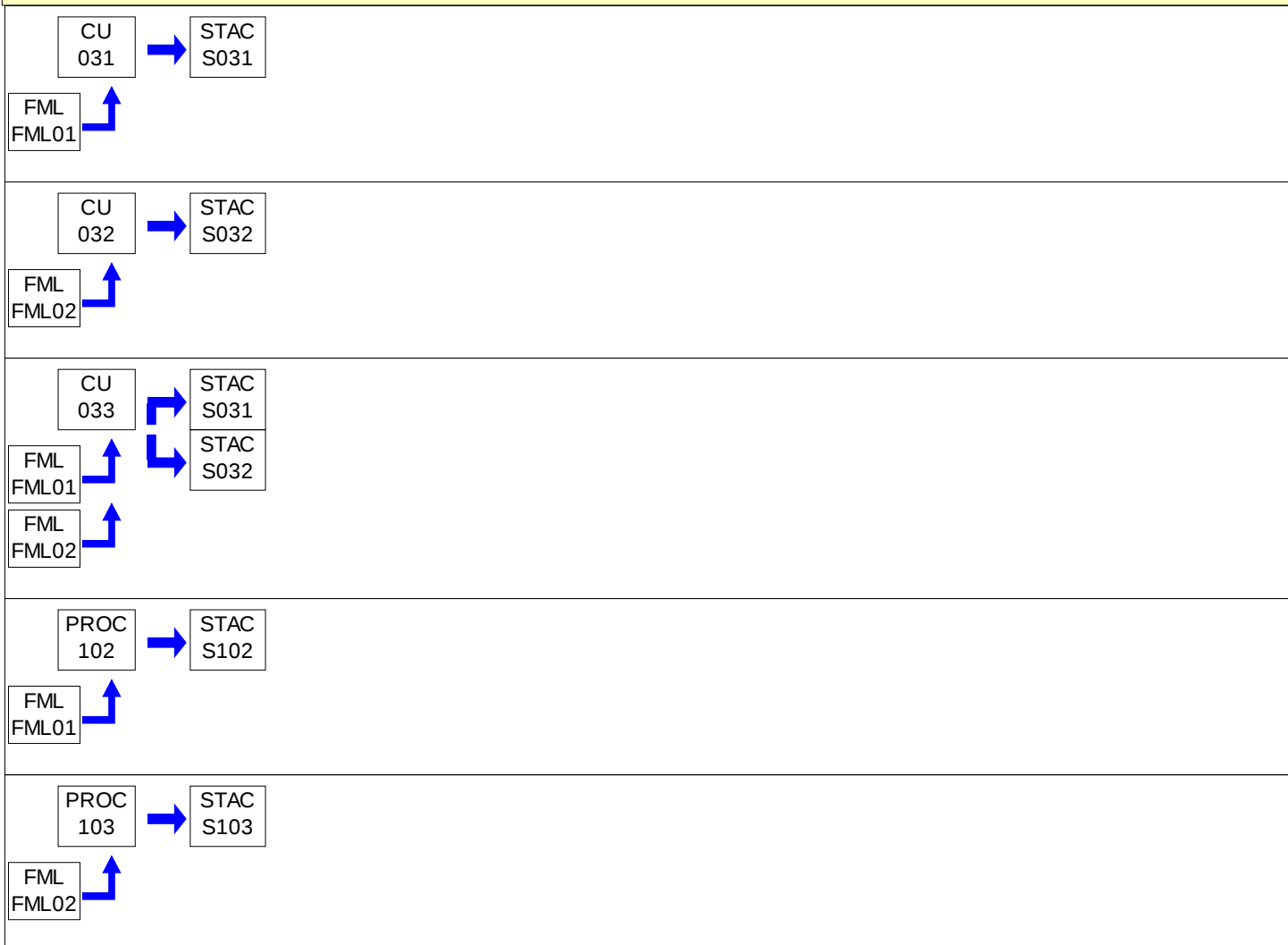
Section F. Emission Restriction Summary

Section G. Miscellaneous

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	NATURAL GAS BOILERS TOTALING 26.3 MMBTU/HR	N/A	Natural Gas
032	NO 2. FUEL OIL BOILERS TOTALING 1.6 MMBTU/HR	N/A	#2 Oil
033	DUAL-FIRED BOILERS (N.G. & #2 F.O.) TOTALING 74.1MMBTU/HR	N/A	Natural Gas
		N/A	#2 Oil
102	NATURAL GAS EMERGENCY GENERATORS TOTALING 491 KW	N/A	Natural Gas
103	NO.2 FUEL OIL EMERGENCY GENERATORS TOTALING 386.7KW	N/A	#2 Oil
FML01	NATUAL GAS		
FML02	NO.2 FUEL OIL		
S031	NATURAL GAS BOILER STACKS		
S032	NO.2 FUEL OIL BOILER STACKS		
S102	NATURAL GAS EMERGENCY GENERATOR STACKS		
S103	NO.2 FUEL OIL EMERGENCY GENERATOR STACKS		

PERMIT MAPS



SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

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

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(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_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

SECTION B. General State Only Requirements

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

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

#015 [25 Pa. Code § 127.11]

Reactivation

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

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

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

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

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

#017 [25 Pa. Code § 121.9]

Circumvention.

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

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

Reporting Requirements.

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

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

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

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

Recordkeeping.

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

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

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

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

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (1) construction or demolition of buildings or structures.
- (2) grading, paving and maintenance of roads and streets.
- (3) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) clearing of land.
- (5) stockpiling of materials.
- (6) open burning operations.
- (7) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) 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).
- (9) sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) the emissions are of minor significance with respect to causing air pollution; and
 - (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1-9), 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 limitations of 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 sources specified in 25 Pa. Code § 123.1(a)(1-9).

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

The permittee shall limit the total emissions of Nitrogen Oxides (NO_x) at the facility to less than 24.9 tons per year, calculated on a 12-month rolling sum.

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

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results 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 solely for cooking food.
- (d) A fire set solely for recreational or ceremonial purposes.
- (e) A fire set for the prevention and control of disease or pests, when approved by the Department.

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

No person shall, at any time, offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast Pennsylvania air basin which contains sulfur in excess of 0.2% by weight, pursuant to 25 Pa. Code § 123.22(e)(2).

Throughput Restriction(s).**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The total combined Natural gas usage for this facility shall not exceed 200 million cubic feet per year, calculated on a 12-month rolling sum.

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

The total combined No.2 fuel oil usage for this facility shall not exceed 1 million gallons per year, calculate on a 12-month rolling sum.

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

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

SECTION C. Site Level Requirements

accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

013 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

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

III. MONITORING REQUIREMENTS.

014 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

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

015 [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.
- (2) Visible Emissions.
- (3) Fugitive Particulate Matter.

(b) All detectable objectionable odors, that originated on-site and cross the property line, as well as fugitive particulate emissions that originated on-site and cross the property line, and visible emissions that originated on site shall:

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) 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 for the next six month period.

(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, complaints, monitoring results, and/or Department.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the facility wide total NO_x emissions monthly and on a 12-month rolling sum.

SECTION C. Site Level Requirements

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the total combined natural gas and No.2 fuel usage for this facility monthly and on a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

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.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) 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.
- (d) Increases resulting from the issuance of a plan approval and subsequent operating permit.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the total combined natural gas and No.2 fuel usage for this facility monthly and on a 12-month rolling sum.

[Compliance with this condition for No. 2 fuel usage will help demonstrate compliance with 40 C.F.R. 63 section 11225(c)(2)(ii)]

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.2 percent, each time a delivery is made.

In the event that a delivery is made, and no receipt is obtained, the permittee shall perform testing in accordance with 25 Pa. Code § 139.16.

V. REPORTING REQUIREMENTS.

023 [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.

SECTION C. Site Level Requirements

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

024 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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

- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.
- (2) The permittee fails to submit a compliance schedule or include a statement in an annual Compliance Certification submittal for the previous year indicating compliance with the requirements of the terms and conditions of this permit, and the requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68. The certification shall include:
 - (i) The identification of each term or condition of the permit that is the basis of the certification.
 - (ii) The compliance status.
 - (iii) The methods used for determining the compliance status of the source, currently and over the reporting period.
 - (iv) Whether compliance was continuous or intermittent.

(g) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the

SECTION C. Site Level Requirements

date of issuance of this permit.

025 [25 Pa. Code §135.3]

Reporting

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.

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.

026 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1-9), 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.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the sources (and air pollution control devices), 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 manufacturer's specifications.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 031

Source Name: NATURAL GAS BOILERS TOTALING 26.3 MMBTU/HR

Source Capacity/Throughput:

N/A

Natural Gas

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The boilers listed as a source under this Source ID 031, shall only fire natural gas.

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.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The requirements under this Source ID 031 (Natural Gas Boilers Totaling 26.3 MMBTU/HR) applies to the following boilers:

Co Designation.....Manuf..... Model.....(MBTU/HR)

Batten House.....Weil McClain.....1995.....641

Bettws-y-Coed.....Weil McClain.....788.....2049 (2)

SECTION D. Source Level Requirements

Biology.....	Weil McClain.....	1981.....	1914
Brecon Hall.....	A.O. Smith.....	HW300932.....	840
Cartref.....	Weil McClain.....	EGH-85.....	350
Child Study Inst.....	Hydrotherm.....	1999.....	165
Denbigh.....	NA.....	NA.....	1701
Dalton Hall.....	Lochinvar.....	PBH-0751/2005...750 (3)	
Gateway.....	Weil McClain.....	1999.....	305 (2)
Gym, Schwartz.....	H.B.Smith.....	1994.....	2219
Haffner Hall.....	Bryan.....	CL270-W-FDG.....	2700 (2)
Helfarian.....	Weil McClain.....	PEG8.....	364
Merion Hal.....	NA.....	NA.....	1702
Multi Cul Cen.....	Weil McClain.....	CGA6PIDN.....	175
Pen-y-Groes.....	Weil McClain.....	D2HG06N0792EBA...100	
Public Safety.....	Weil McClain.....	1992.....	138
Radnor Hall.....	Weil McClain.....	NA.....	1701
Rhys Carpenter Lib..	Peerless-Pinnacle...2008 (PL-399).....	399 (2)	
Taylor Hall.....	Hydrotherm.....	AM-300.....	299
West House.....	NA.....	NA.....	494 (2)

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Monitoring and recordkeeping of fuel usage shall be demonstrated through condition number 017 and 021 of Section C of this permit.

SECTION D. Source Level Requirements

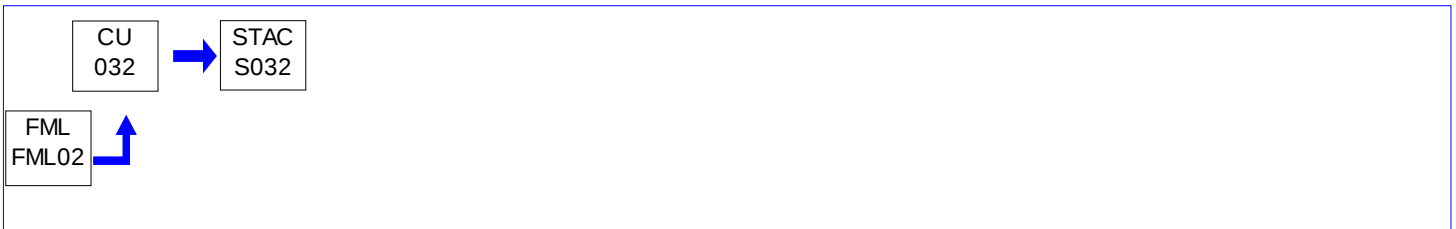
Source ID: 032

Source Name: NO 2. FUEL OIL BOILERS TOTALING 1.6 MMBTU/HR

Source Capacity/Throughput:

N/A

#2 Oil

**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 SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 pounds 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 boilers listed as a source under this Source ID 032, shall fire only No.2 fuel oil as fuel.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the total amount of fuel consumed by the boilers for each building associated with this source monthly and on a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 63 § 63.11225(c)]

The permittee shall keep records of the following:

- Copy of each notification and report that was submitted to comply with 40 C.F.R. Part 63 Subpart JJJJJJ.
- The date of tune-up for each boiler, the procedures followed for the tune-up, and the manufacturer's specifications to which the boiler was tuned.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

[Compliance with this condition assures compliance with 40 C.F.R. 63 § 63.11205(a)]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 63 § 63.11223 and § 63.11214(b)]

The permittee shall conduct a biennial performance tune-up for each boiler associated with this source. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 63 § 63.11223(b)(1-7)]

The biennial tune-up shall consist of at least the following inspections and requirements for each boiler:

1. Inspect the burner, and clean or replace any components of the burner as necessary, each burner shall be inspected at least once every 36 months.
2. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment shall be consistent with the manufacturer's specifications.
3. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
4. Optimize total emissions of Carbon Monoxide. This optimization should be consistent with the manufacturer's specifications.
5. Measure the concentrations in the effluent stream of carbon monoxide in parts per million (ppm) by volume, and oxygen in volume percent, before and after the adjustments are made.
6. Maintain onsite and submit, if requested by the Administrator, biennial report containing the following:
 - a. The concentrations of CO in the effluent stream in ppm by volume, and oxygen in volume percent, measured before and after the tune-up of each boiler.
 - b. A description of any corrective actions taken as part of the tune-up.
 - c. The type and amount of fuel used over the 12-months prior to the biennial tune-up.
7. If the boiler is not operating on the required date for a tune-up, the tune-up shall be conducted within one week of startup.

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. Part 63 § 63.11225(g)]

If the permittee intends to switch fuels, and this fuel switch may result in the applicability of a different subcategory or a switch out of Subpart JJJJJJ due to a switch to 100 percent natural gas, the permittee must provide 30 days prior notice of the date upon which the fuel switch will occur. The notification must identify the following:

1. The name of the owner or operator of the affected source, the location of the source, the boiler(s) that will switch fuels, and the date of the notice.
2. The current applicable subcategory under 40 C.F.R. Part 63 Subpart JJJJJJ.

SECTION D. Source Level Requirements

3. The date on which the permittee becomes subject to the currently applicable standards.
4. The date upon which the permittee will commence the fuel switch.

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The requirements under this Source ID 032 (No. 2 Fuel Oil Boilers Totaling 1.6 MMBTU/HR) applies to the following boilers:

Co Designation.....	Manuf.....	Model.....	(MBTU/HR)
English House.....	Weil McClain.....	1995.....	518
Russian House.....	American Radiator...	1950.....	173
Arnecliffe.....	Weil McClain.....	1983.....	952

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Monitoring and recordkeeping of fuel usage shall be demonstrated through condition number 017 and 021 of Section C of this permit.

SECTION D. Source Level Requirements

Source ID: 033

Source Name: DUAL-FIRED BOILERS (N.G. & #2 F.O.) TOTALING 74.1MMBTU/HR

Source Capacity/Throughput:

N/A

Natural Gas

N/A

#2 Oil



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit, with a rated heat input greater than 2.5 MMBTU but less than 50 MMBTU, in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(2).

002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 pounds 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 boilers listed as a source under this Source ID 033, shall fire natural gas as the primary fuel.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only burn No. 2 Fuel Oil during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel.

[Compliance with this condition exempts the permittee from the requirements of 40 C.F.R. Part 63 Subpart JJJJJJ]

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the burning of No. 2 Fuel Oil for periodic testing of liquid fuels to less than 48 hours during any calendar year.

[Compliance with this condition exempts the permittee from the requirements of 40 C.F.R. Part 63 Subpart JJJJJJ]

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the total amount and type of fuel consumed by the boilers for each building associated with this source monthly and on a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the type of fuel consumed by the boilers for each building associated with this source monthly.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the following when this source burns No. 2 Fuel Oil:

- The date and duration of burning No. 2 fuel oil, recorded in hours
- The reason for burning No. 2 fuel oil, and
- The hours per calendar year that No. 2 fuel oil was used for periodic testing of liquid fuels.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The requirements under this Source ID 033 (Dual-Fired Boilers-NG & #2 F.O.) applies to the following boilers:

Co Designation.....	Manuf.....	Model.....	MBTU/HR)
Campus Center.....	Weil McLain.....	BGL-486-9w / 1985....	882
Chemistry.....	Cleaver Brooks....	CB-200-200 / 1991.....	8,369(2)
Erdman Hall.....	H. B. Smith.....	1963.....	6,550(2)
Park Hall.....	Cleaver Brooks....	FLX/1997.....	6,000(2)
Pen-y Bryn.....	Weil McLain.....	588 / 2006.....	1,357
Rhoads Hall.....	Weil McLain.....	1984.....	2,049(2)
Rhoads Hall.....	Weil McLain.....	2004.....	6,495(2)
Rockefeller Hall.....	Weil McLain.....	1983.....	5,250(2)
Social Work.....	Weil McLain.....	888 /2006.....	2,396

SECTION D. Source Level Requirements

Source ID: 102

Source Name: NATURAL GAS EMERGENCY GENERATORS TOTALING 491 KW

Source Capacity/Throughput:

N/A

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The emergency generators listed as a source under this Source ID 102, shall only fire natural gas.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each Emergency Generator shall be operated for less than five hundred (500) hours per year on a 12-month rolling sum.

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 operating hours for each generator monthly and on a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain for each generator, a record of operating hours monthly and on a 12-month rolling sum.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following generators are associated with this source:

Co Designation.....	Manuf.....	Model.....	(MBTU/HR)....	KW
Bettws-y-Coed.....	Onan.....	GGHH558117.....	341.21.....	100
Denbigh.....	Generac.....	2050760100.....	68.24.....	20
Erdman Hall.....	Onan.....	20ES.....	85.30.....	25
Gateway.....	Generac.....	99A08599S.....	204.73.....	60
Goodhart.....	Kohler.....	5RMY62.....	17.06.....	5
Guild Hall.....	Spectrum.....	100GS.....	272.97.....	80
Gym, Schwartz.....	Generac.....	1613340100.....	68.24.....	20
Health Center.....	Winco Pow Sys..	APS8000/D24.....	20.47.....	6
Radnor Hall.....	Generac.....	2624150100.....	68.24.....	20
Rhoads South.....	Katolight.....	N30FPG4.....	102.36.....	30
Rock/Penn East/ West..	Generac.....	5403020400.....	204.73.....	60
Social Work.....	Generac.....	97A02813-S.....	153.55.....	45
Taylor Hall.....	Tecumseh.....	APS2000/D.....	68.24.....	20

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: NO.2 FUEL OIL EMERGENCY GENERATORS TOTALING 386.7KW

Source Capacity/Throughput:

N/A

#2 Oil

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

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

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The emergency generators listed as a source under this Source ID 103, shall only fire No. 2 fuel oil.

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

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

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Each Emergency Generator shall be operated for less than five hundred (500) hours per year on a 12-month rolling sum.

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

[Additional Authority for this permit condition is also derived from 40 C.F.R. 63 § 63.6640(f)(ii)]

The permittee shall limit the hours of operation for maintenance checks and readiness testing to less than 100 hours per year, for each generator associated with this source, calculated on a 12-month rolling sum.

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

[Additional Authority for this permit condition is also derived from 40 C.F.R. 63 § 63.6640(f)(iii)]

The 50 hours per year operation for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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. 63 § 63.6640(f)(iii)]

SECTION D. Source Level Requirements

The permittee may operate this source up to 50 hours per year in non-emergency situations, for each generator associated with this source, those 50 hours are counted towards the 100 hour per year limit for maintenance and readiness testing.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional Authority for this permit condition is also derived from 40 C.F.R. 63 § 63.6640(f)(iii)]

The permittee may operate each generator associated with this source for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional Authority for this permit condition is also derived from 40 C.F.R. 63 § 63.6640(f)(iii)]

The 15 hours per year permitted for demand response operation for this source are counted as part of the 50 hours of operation per year, for each generator, provided for non-emergency situations.

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.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the operating hours of each generator monthly and on a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the following for each generator associated with this source:

- Hours of operation monthly and on a 12-month rolling sum.
- The hours of operation records shall indicate how many hours are spent for non-emergency operation, demand response and maintenance and readiness testing.
- Notifications of the emergency situation if this source is used for demand response operation.

[Compliance with this condition assures compliance with 40 C.F.R. 63 § 63.6655(f)]

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of when the following operational maintenance services were performed on each generator associated with this source, to include the date and hour reading on the hour meter of the generator:

- Change the oil filter every 500 hours of operation or annually, whichever comes first;
- Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as needed.

SECTION D. Source Level Requirements

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- The permittee shall keep records of any malfunctions for the generators associated with this source. The records shall include the occurrence date, duration and corrective action taken.
- The permittee shall keep records of all maintenance conducted on the generators associated with this source.

[Compliance with this condition assures compliance with 40 C.F.R. 63 § 63.6655(a)(2) and § 63.6655(e)]

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.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional Authority for this permit condition is also derived from 40 C.F.R. 63 § 63.6605 and 63.6625(e)]

- The permittee shall at all times, operate and maintain this source in accordance with the manufacturer's specifications and in a manner consistent with safety and good air pollution control practices.
- The permittee may develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform the following operational maintenance services on this source:

- Change the oil filter every 500 hours of operation or annually, whichever comes first;
- Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as needed.

[Compliance with this condition assures compliance with 40 C.F.R. 63 § 63.6603(a)]

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain a non-resettable hour meter on this source.

[Compliance with this condition assures compliance with 40 C.F.R. 63 § 63.6625(f)]

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional Authority for this permit condition is also derived from 40 C.F.R. 63 § 63.6625(h)]

The permittee shall limit the engine's time spent at idle during startup and limit the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following generators are associated with this source:

**SECTION D. Source Level Requirements**

Co Designation.....	Manuf.....	Model.....	(MBTU/HR).....	KW
Canaday.....	Cummings.....	DGFC5694568.....	682.43.....	200
Haffner Hall.....	Cummings.....	DGDB5622958.....	228.61.....	67
Electrical Substation.....	Onan.....	DFGA4492338.....	341.21.....	100
Thomas Hall.....	Kohler.....	20ROP81.....	68.24.....	20



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description						
032	NO 2. FUEL OIL BOILERS TOTALING 1.6 MMBTU/HR						
<table> <tr> <th>Emission Limit</th><th>Pollutant</th></tr> <tr> <td>1.000 Lbs/MMBTU</td><td>SO2</td></tr> </table>		Emission Limit	Pollutant	1.000 Lbs/MMBTU	SO2		
Emission Limit	Pollutant						
1.000 Lbs/MMBTU	SO2						
033	DUAL-FIRED BOILERS (N.G. & #2 F.O.) TOTALING 74.1MMBTU/HR						
<table> <tr> <th>Emission Limit</th><th>Pollutant</th></tr> <tr> <td>0.400 Lbs/MMBTU</td><td>PM10</td></tr> <tr> <td>1.000 Lbs/MMBTU</td><td>SO2</td></tr> </table>		Emission Limit	Pollutant	0.400 Lbs/MMBTU	PM10	1.000 Lbs/MMBTU	SO2
Emission Limit	Pollutant						
0.400 Lbs/MMBTU	PM10						
1.000 Lbs/MMBTU	SO2						
102	NATURAL GAS EMERGENCY GENERATORS TOTALING 491 KW						
<table> <tr> <th>Emission Limit</th><th>Pollutant</th></tr> <tr> <td>0.040 gr/DRY FT3</td><td>PM10</td></tr> <tr> <td>500.000 PPMV</td><td>SO2</td></tr> </table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	PM10	500.000 PPMV	SO2
Emission Limit	Pollutant						
0.040 gr/DRY FT3	PM10						
500.000 PPMV	SO2						
103	NO.2 FUEL OIL EMERGENCY GENERATORS TOTALING 386.7KW						
<table> <tr> <th>Emission Limit</th><th>Pollutant</th></tr> <tr> <td>0.040 gr/DRY FT3</td><td>PM10</td></tr> <tr> <td>500.000 PPMV</td><td>SO2</td></tr> </table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	PM10	500.000 PPMV	SO2
Emission Limit	Pollutant						
0.040 gr/DRY FT3	PM10						
500.000 PPMV	SO2						

Site Emission Restriction Summary

Emission Limit	Pollutant
25.000 Tons/Yr	NOX

SECTION G. Miscellaneous.

The information listed in Section A, Site Inventory List and Permit Maps, is for informational purposes only.

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

- Thirteen (13) forced air furnaces using natural gas totaling 990,000 BTU/HR. See list below.

Company Designation.....	Rated Input (MBTU/HR)
Cambrain Row.....	40.0 (5)
Cambrain Row.....	80.0 (2)
Cambrain Row.....	100.0
Human Res.....	40.0 (2)
Perry House.....	175.0 (2)
Pen-y-Groes.....	100.0

-Twenty-eight (28) domestic water heaters using natural gas totaling 7.7MMBTU/HR. See list below.

Company Designation.....	Rated Input (MBTU/HR)
Arnecliffe.....	75.0
Batten House.....	75.0
Bettws-y-Coed.....	300.0
Biology.....	160.0
Campus Center.....	200.0
Chemistry.....	200.0
Denbigh.....	300.0
English House.....	40.0
Erdman Hall-Kitchen.....	725.0
Erdman Hall-Dorm.....	400.0 (2)
Gateway.....	190.0
Haffner Hall-Kitchen.....	399.0
Haffner Hall-Dorm.....	420.0
Merion Hall.....	200.0
Pen-y-Bryn.....	300.0
Pembroke.....	199.9
Perry House.....	75.10
Physical Science.....	75.0
Radnor Hall.....	200.0
Rhoads Hall-Kitchen.....	540.0
Rhoads Hall-Dorm.....	800.0
Rhoads Hall-Dishwash.....	125.0
Rockefeller Hall.....	750.0
Ward Building.....	40.0 (2)
Wyndham House.....	75.10
Wyndham Kitchen.....	200.0

APS: 586256 AUTH: 926400

- This permit has been renewed.

- The list above has been updated to accurately reflect the current domestic hot water heaters and forced air furnaces located on the campus.

-Brywn Mawr College sold a parcel of land which contained boilers, generators, and a domestic water heater. Sources associated with the following buildings have been removed from the permit: Glenmede Gardner, Glenmede Carriage, Glenmede Main House and Glenmede Pool House.

- Conditions have been added to Source ID 103 (No.2 Fuel Oil Emergency Generators) to address the applicability of 40 C.F.R. Part

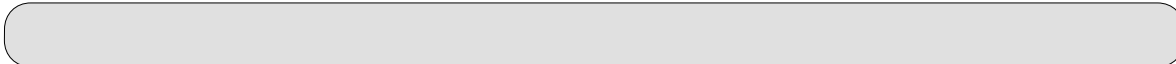
SECTION G. Miscellaneous.

63 Subpart ZZZZ.

- Conditions have been added to Source ID 032 (No.2 Fuel Oil Boilers) to address the applicability of 40 C.F.R. Part 63 Subpart JJJJJJ.
- Conditions have been added to Source ID 033 (Dual fuel fired Boilers) to exempt this source from 40 C.F.R. Part 63 Subpart JJJJJJ.

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

- 56 bHp fire pump used to provide auxiliary water pressure for the sprinkler system in Dalton Hall. Manufactured by: Clarke Fire Pump Engines, Model #: VMFPO4HN, uses No. 2 fuel oil and manufactured date 2005. The fire pump is equivalent to 0.1 MMBTU/HR.



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