



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: June 27, 2012

Effective Date: July 1, 2012

Expiration Date: June 30, 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: 23-00106

Synthetic Minor

Federal Tax Id - Plant Code: 54-2152908-1

Owner Information

Name: BPG REAL ESTATE INVESTORS STRAW PARTY 1 LP

Mailing Address: 3815 W CHESTER PIKE
NEWTOWN SQUARE, PA 19073-2320

Plant Information

Plant: BPG REAL ESTATE/LYONDELL BOILERS

Location: 23 Delaware County 23943 Newtown Township

SIC Code: 6531 Fin, Ins & Real Est - Real Estate Agents And Managers

Responsible Official

Name: DOUGLAS HOFFMAN

Title: PRESIDENT

Phone: (267) 757 - 0600 Ext.106

Permit Contact Person

Name: LINDA ROTHENBERGER

Title: PROPERTY MANAGER

Phone: (610) 355 - 7355

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

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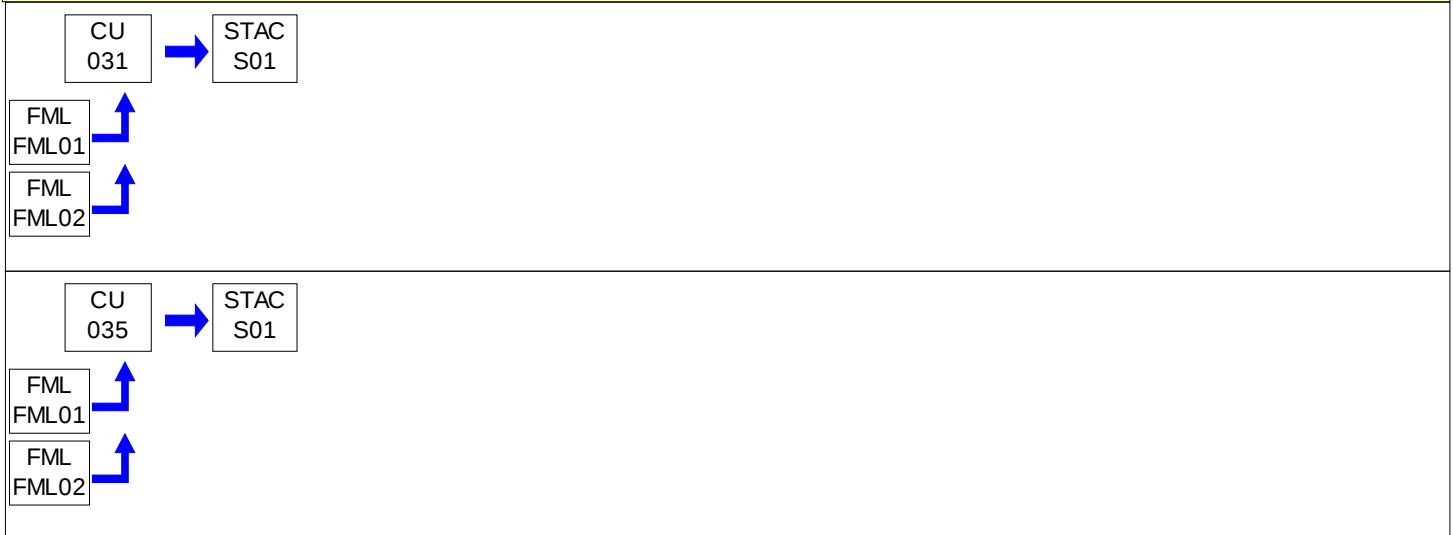
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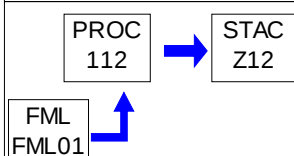
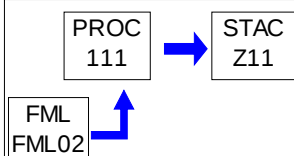
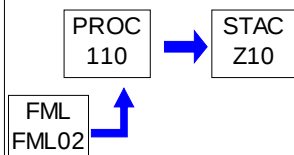
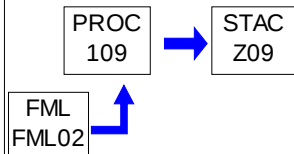
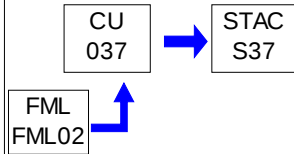
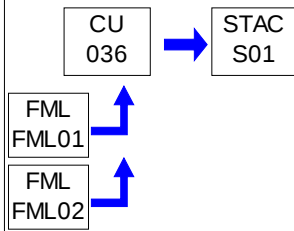
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER 1	34.000 MMBTU/HR	
		34.000 MCF/HR	Natural Gas
		242.000 Gal/HR	#2 Oil
035	BOILER NO. 2	20.412 MMBTU/HR	
		20.000 MCF/HR	Natural Gas
		145.800 Gal/HR	#2 Oil
036	BOILER NO. 3	20.412 MMBTU/HR	
		20.000 MCF/HR	Natural Gas
		145.800 Gal/HR	#2 Oil
037	SMALL NO. 2 FUEL OIL BOILERS	N/A	#2 Oil
109	BOILER HOUSE EMERGENCY GENERATOR	8.800 Gal/HR	#2 Oil
110	FIRE PUMP	12.500 Gal/HR	#2 Oil
111	EXECUTIVE OFFICE EMERGENCY GENERATOR	1.000 Gal/HR	#2 Oil
112	BUILDING D EMERGENCY GENERATOR	268.000 CF/HR	Natural Gas
FML01	NATURAL GAS UTILITY		
FML02	NO. 2 FUEL OIL TANKS		
S01	BOILER STACK		
S37	SMALL BOILER STACKS		
Z09	GENERATOR FUGITIVES		
Z10	FIRE PUMP FUGITIVES		
Z11	GENERATOR FUGITIVES		
Z12	GENERATOR FUGITIVES		

PERMIT MAPS



PERMIT MAPS



SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

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

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

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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

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open Burning Operations.
- (g) Sources and classes of sources other than those identified in paragraphs (a)-(f), for which the operator 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.

006 [25 Pa. Code §123.42]

Exceptions

The opacity limitations shall not apply to a visible emission in any of the following instances:

- (a) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the

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opacity of visible emissions.

(c) When the emission results from 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 permittee shall limit facilitywide emissions of Nitrogen Oxides (NO_x) to less than 25 tons per year, based on a 12-month rolling sum.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit facilitywide emissions of Sulfur Oxides (SO_x) to less than 100 tons per year, based on a 12-month rolling sum.

009 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material in an air basin except when 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) A 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 solely for recreational or ceremonial purposes.
- (e) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunction, or determining compliance with any applicable regulation.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

III. MONITORING REQUIREMENTS.

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.

SECTION C. Site Level Requirements

(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 the Department may determine to 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 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) At the end of six months, 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) At the end of the second six month period, 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 and the semi-annual report of monitoring and record keeping, complaints, monitoring results, and/or Department findings.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor facility wide NO_x and SO_x emissions on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The facility shall maintain monthly records of facility wide NO_x and SO_x emissions, including 12-month rolling sums.

V. REPORTING REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall, within two (2) hours, of becoming knowledgeable, 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 or G, 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 regulation contained in 25 Pa. Code Article III.

SECTION C. Site Level Requirements

(b) Malfunction(s) which occur at this State Only 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.

(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.

018 [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

SECTION C. Site Level Requirements

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.

019 [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 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.

020 [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) -- (7) or (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 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, oil, water or 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 other means.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that all sources and air cleaning devices are operated and maintained in accordance with manufacturer's specifications and good engineering and air pollution control practices.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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.

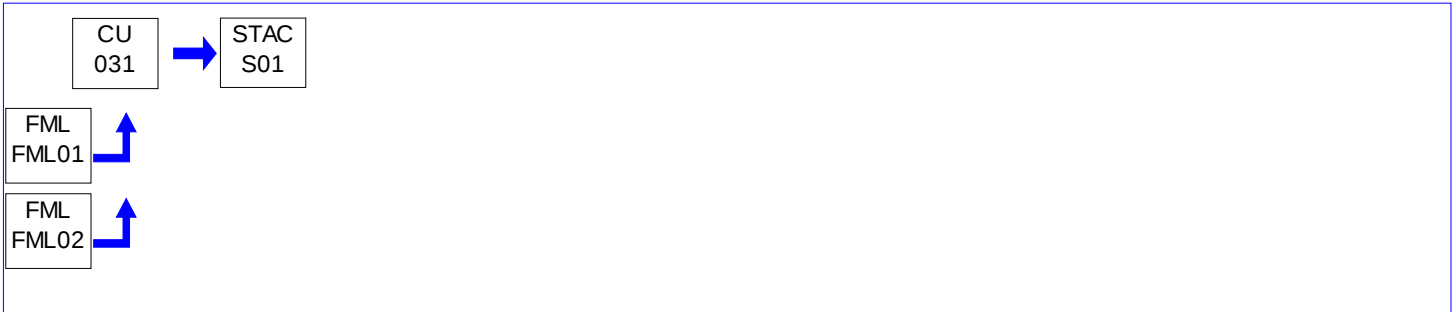
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 031

Source Name: BOILER 1

Source Capacity/Throughput:	34.000 MMBTU/HR	
	34.000 MCF/HR	Natural Gas
	242.000 Gal/HR	#2 Oil



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.4 pound per million BTU of heat input 25 Pa. Code § 123.11(a)(1).

Fuel Restriction(s).

002 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast air basin which contains sulfur in excess of 0.3% by weight, pursuant to 25 Pa. Code § 123.22(e)(2), for the outer zone.

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1), for the outer zone.]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall fire this combustion unit with natural gas or No. 2 fuel oil only.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

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

(b) The testing requirements in subpart (a) above, shall be waived in the event that a delivery receipt from the supplier,

SECTION D. Source Level Requirements

showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

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 by this boiler on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the amount and type of fuel consumed by this boiler.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the records specified as follows, according to 40 CFR § 63.11225(c):

(a) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee must keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted.

(b) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 (regarding tune-up) as follows:

(1) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(2) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel, including whether the fuel has received a non-waste determination by the permittee or USEPA, and the total fuel usage amount with units of measure.

(c) Records of the occurrence and duration of each malfunction of the boiler.

(d) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation.

V. REPORTING REQUIREMENTS.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall prepare, by March 1 biennially, and submit to the delegated authority upon request, a biennial compliance certification report for the previous calendar years containing the information specified as follows, according to 40 CFR § 63.11225(b). The permittee shall submit the report by March 15 if there were any instances described by paragraph (c) below.

SECTION D. Source Level Requirements

(a) Company name and address.

(b) Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63 Subpart JJJJJJ.

(c) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(d) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the permittee or EPA through a petition process to be a non-waste under 40 CFR § 241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR § 241.3, and the total fuel usage amount with units of measure.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

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 40 CFR Part 63 Subpart JJJJJJ due to a switch to 100 percent natural gas, the permittee must provide 30 days prior notice of the date upon fuel switch. The notification must identify:

(a) 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.

(b) The currently applicable subcategory under 40 CFR Part 63 Subpart JJJJJJ.

(c) The date on which the permittee became subject to the currently applicable standards.

(d) The date upon which the permittee will commence the fuel switch.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall submit a Notification of Compliance Status no later than 120 days after March 21, 2012, according to 40 CFR § 63.11225(a)(4), attesting to compliance with the initial tune-up of the boiler.

(b) In addition to the information required in 40 CFR § 63.9(h)(2), the notification must include a certification of compliance stating "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler" and signed by a responsible official, according to 40 CFR § 63.11225(a)(4)(i).

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall submit a Notification of Compliance Status no later than 120 days after March 21, 2014, according to 40 CFR § 63.11225(a)(4), attesting to compliance with the energy assessment of the boiler.

SECTION D. Source Level Requirements

(b) In addition to the information required in 40 CFR § 63.9(h)(2), the notification must include a certification of compliance stating "This facility has had an energy assessment performed according to 40 CFR § 63.11214(c)" and signed by a responsible official, according to 40 CFR § 63.11225(a)(4)(ii).

VI. WORK PRACTICE REQUIREMENTS.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What standards must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall conduct a tune-up of the boiler by March 21, 2012 and biennially thereafter, according to 40 CFR §§ 63.11201(b), 63.11210(c), 63.11223(a) and (b), and Table 2 of 40 CFR Part 63 Subpart JJJJJJ.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What standards must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall have a one-time energy assessment performed by a qualified energy assessor, according to 40 CFR § 63.11201(b) and Table 2 of 40 CFR Part 63 Subpart JJJJJJ, no later than March 21, 2014.

(b) The energy assessment must include:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints,
- (3) Inventory of major systems consuming energy from affected boiler(s),
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures,
- (6) A list of the energy savings potential of the energy conservation measures identified,
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my general requirements for complying with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall at all times operate and maintain the source in a manner consistent with safety and good air pollution control practices for minimizing emissions, according to 40 CFR § 63.11205(a). The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

How do I demonstrate continuous compliance with the work practice and management practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up, according to 40 CFR § 63.11223(a).

SECTION D. Source Level Requirements

(b) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance as follows, according to 40 CFR § 63.11223(b)(1)-(7):

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, but the permittee must inspect each burner 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 should be consistent with the manufacturer's specifications, if available.

(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, if available.

(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

(6) Maintain onsite and submit, if requested by the Administrator, biennial report containing the following information:

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.

VII. ADDITIONAL REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler is rated at 34 MMBtu/hr.

SECTION D. Source Level Requirements

Source ID: 035

Source Name: BOILER NO. 2

Source Capacity/Throughput:

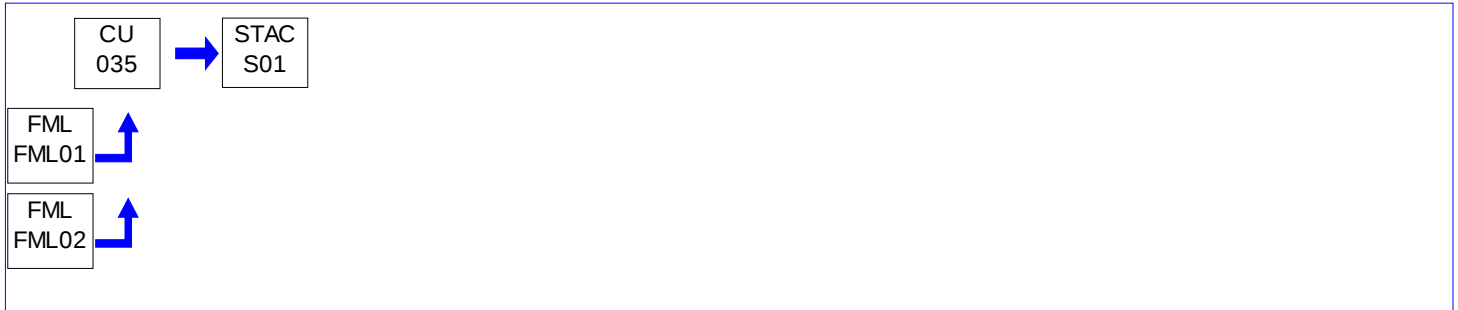
20.412 MMBTU/HR

20.000 MCF/HR

Natural Gas

145.800 Gal/HR

#2 Oil

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.4 pound per million BTU of heat input 25 Pa. Code § 123.11(a)(1).

Fuel Restriction(s).**# 002 [25 Pa. Code §123.22]****Combustion units**

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for the use in combustion units which contain sulfur in excess of 0.3% by weight, as pursuant to 25 Pa. Code § 123.22(e)(2), for the outer zone.

[Compliance with this condition demonstrates compliance with the streamlined condition from State Regulation 25 Pa. Code § 123.22(e)(1), for the outer zone, and Federal Regulation 40 CFR § 60.42c(d).]

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

The permittee shall fire this combustion unit with natural gas or No. 2 fuel oil only.

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 hours of operation for this boiler on a monthly basis.

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

The permittee shall maintain monthly records of the hours of operation for this boiler.

006 [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.

SECTION D. Source Level Requirements

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

The permittee shall maintain monthly records of the amount and type of fuel consumed in this boiler, pursuant to 40 CFR § 60.48c(g)(2).

007 [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 25 Pa. Code § 122.3]

The permittee shall maintain records of fuel supplier certification to demonstrate compliance with the fuel oil sulfur content limit, pursuant to 40 CFR § 60.48c(e)(11) and § 60.48c(i). Fuel supplier certification shall include the following information, pursuant to 40 CFR § 60.48c(f)(1):

- (a) The name of the oil supplier;
- (b) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil;
- (c) The sulfur content of the oil.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and
Institutional Boilers Area Sources
What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the records specified as follows, according to 40 CFR § 63.11225(c):

(a) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee must keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted.

(b) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 (regarding tune-up) as follows:

(1) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(2) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel, including whether the fuel has received a non-waste determination by the permittee or USEPA, and the total fuel usage amount with units of measure.

(c) Records of the occurrence and duration of each malfunction of the boiler.

(d) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation.

V. REPORTING REQUIREMENTS.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

(a) The permittee shall report records of fuel supplier certifications, including a certified statement signed by the owner or operator of the facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period (each six-month period), pursuant to 40 CFR § 60.48c(e)(11).

SECTION D. Source Level Requirements

(b) Fuel supplier certification shall include the following information, pursuant to 40 CFR § 60.48c(f)(1):

- (1) The name of the oil supplier;
- (2) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil;
- (3) The sulfur content of the oil.

(c) Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). The initial semi-annual report shall be postmarked by the 30th day of the sixth month following the completion of the initial performance test. Each subsequent report shall be postmarked by the 30th day following the end of the reporting period.

(d) Pursuant to 40 CFR § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both USEPA and the Department. The USEPA copies shall be forwarded to:

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

[Compliance with this condition assures compliance with streamlined Regulation 25 Pa. Code § 139.16]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall prepare, by March 1 biennially, and submit to the delegated authority upon request, a biennial compliance certification report for the previous calendar years containing the information specified as follows, according to 40 CFR § 63.11225(b). The permittee shall submit the report by March 15 if there were any instances described by paragraph (c) below.

(a) Company name and address.

(b) Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63 Subpart JJJJJJ.

(c) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(d) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the permittee or EPA through a petition process to be a non-waste under 40 CFR § 241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR § 241.3, and the total fuel usage amount with units of measure.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

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 40 CFR Part 63 Subpart JJJJJJ due to a switch to 100 percent natural gas, the permittee must provide 30 days prior notice of the date upon fuel switch. The notification must identify:

SECTION D. Source Level Requirements

- (a) 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.
- (b) The currently applicable subcategory under 40 CFR Part 63 Subpart JJJJJJ.
- (c) The date on which the permittee became subject to the currently applicable standards.
- (d) The date upon which the permittee will commence the fuel switch.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall submit a Notification of Compliance Status no later than 120 days after March 21, 2012, according to 40 CFR § 63.11225(a)(4), attesting to compliance with the initial tune-up of the boiler.
- (b) In addition to the information required in 40 CFR § 63.9(h)(2), the notification must include a certification of compliance stating "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler" and signed by a responsible official, according to 40 CFR § 63.11225(a)(4)(i).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall submit a Notification of Compliance Status no later than 120 days after March 21, 2014, according to 40 CFR § 63.11225(a)(4), attesting to compliance with the energy assessment of the boiler.
- (b) In addition to the information required in 40 CFR § 63.9(h)(2), the notification must include a certification of compliance stating "This facility has had an energy assessment performed according to 40 CFR § 63.11214(c)" and signed by a responsible official, according to 40 CFR § 63.11225(a)(4)(ii).

VI. WORK PRACTICE REQUIREMENTS.

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

The permittee shall maintain and operate the necessary meter(s) to determine and to record the amount of fuel usage for this boiler.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What standards must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall conduct a tune-up of the boiler by March 21, 2012 and biennially thereafter, according to 40 CFR §§ 63.11201(b), 63.11210(c), 63.11223(a) and (b), and Table 2 of 40 CFR Part 63 Subpart JJJJJJ.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What standards must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

SECTION D. Source Level Requirements

(a) The permittee shall have a one-time energy assessment performed by a qualified energy assessor, according to 40 CFR § 63.11201(b) and Table 2 of 40 CFR Part 63 Subpart JJJJJJ, no later than March 21, 2014.

(b) The energy assessment must include:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints,
- (3) Inventory of major systems consuming energy from affected boiler(s),
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures,
- (6) A list of the energy savings potential of the energy conservation measures identified,
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my general requirements for complying with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall at all times operate and maintain the source in a manner consistent with safety and good air pollution control practices for minimizing emissions, according to 40 CFR § 63.11205(a). The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

How do I demonstrate continuous compliance with the work practice and management practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up, according to 40 CFR § 63.11223(a).

(b) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance as follows, according to 40 CFR § 63.11223(b)(1)-(7):

- (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, but the permittee must inspect each burner 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 should be consistent with the manufacturer's specifications, if available.
- (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, if available.
- (5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

SECTION D. Source Level Requirements

(6) Maintain onsite and submit, if requested by the Administrator, biennial report containing the following information:

- (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.
- (ii) A description of any corrective actions taken as a part of the tune-up of the boiler.
- (iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This is a Cleaver Brooks Boiler rated at 20.412 MMBtu/hr.

SECTION D. Source Level Requirements

Source ID: 036

Source Name: BOILER NO. 3

Source Capacity/Throughput:

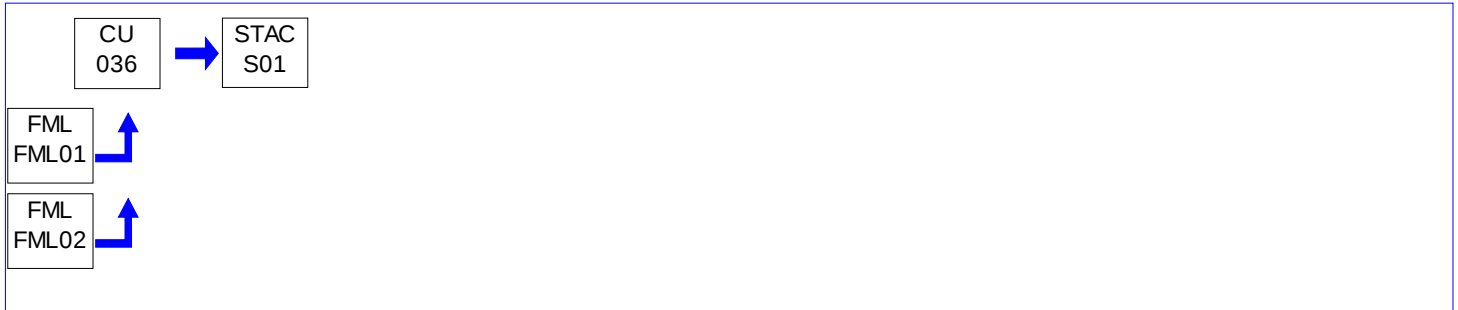
20.412 MMBTU/HR

20.000 MCF/HR

Natural Gas

145.800 Gal/HR

#2 Oil

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.4 pound per million BTU of heat input 25 Pa. Code § 123.11(a)(1).

Fuel Restriction(s).**# 002 [25 Pa. Code §123.22]****Combustion units**

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for the use in combustion units which contain sulfur in excess of 0.3% by weight, as pursuant to 25 Pa. Code § 123.22(e)(2), for the outer zone.

[Compliance with this condition demonstrates compliance with the streamlined condition from State Regulation 25 Pa. Code § 123.22(e)(1), for the outer zone, and Federal Regulation 40 CFR § 60.42c(d).]

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

The permittee shall fire this combustion unit with natural gas or No. 2 fuel oil only.

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 hours of operation for this boiler on a monthly basis.

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

The permittee shall maintain monthly records of the hours of operation for this boiler.

006 [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.

SECTION D. Source Level Requirements

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

The permittee shall maintain monthly records of the amount and type of fuel consumed in this boiler, pursuant to 40 CFR § 60.48c(g)(2).

007 [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 25 Pa. Code § 122.3]

The permittee shall maintain records of fuel supplier certification to demonstrate compliance with the fuel oil sulfur content limit, pursuant to 40 CFR § 60.48c(e)(11) and § 60.48c(i). Fuel supplier certification shall include the following information, pursuant to 40 CFR § 60.48c(f)(1):

- (a) The name of the oil supplier;
- (b) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil;
- (c) The sulfur content of the oil.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and
Institutional Boilers Area Sources
What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the records specified as follows, according to 40 CFR § 63.11225(c):

(a) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee must keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted.

(b) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 (regarding tune-up) as follows:

(1) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(2) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel, including whether the fuel has received a non-waste determination by the permittee or USEPA, and the total fuel usage amount with units of measure.

(c) Records of the occurrence and duration of each malfunction of the boiler.

(d) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation.

V. REPORTING REQUIREMENTS.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

(a) The permittee shall report records of fuel supplier certifications, including a certified statement signed by the owner or operator of the facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period (each six-month period), pursuant to 40 CFR § 60.48c(e)(11).

SECTION D. Source Level Requirements

(b) Fuel supplier certification shall include the following information, pursuant to 40 CFR § 60.48c(f)(1):

- (1) The name of the oil supplier;
- (2) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil;
- (3) The sulfur content of the oil.

(c) Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). The initial semi-annual report shall be postmarked by the 30th day of the sixth month following the completion of the initial performance test. Each subsequent report shall be postmarked by the 30th day following the end of the reporting period.

(d) Pursuant to 40 CFR § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both USEPA and the Department. The USEPA copies shall be forwarded to:

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

[Compliance with this condition assures compliance with streamlined Regulation 25 Pa. Code § 139.16]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall prepare, by March 1 biennially, and submit to the delegated authority upon request, a biennial compliance certification report for the previous calendar years containing the information specified as follows, according to 40 CFR § 63.11225(b). The permittee shall submit the report by March 15 if there were any instances described by paragraph (c) below.

(a) Company name and address.

(b) Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63 Subpart JJJJJJ.

(c) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(d) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the permittee or EPA through a petition process to be a non-waste under 40 CFR § 241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR § 241.3, and the total fuel usage amount with units of measure.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

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 40 CFR Part 63 Subpart JJJJJJ due to a switch to 100 percent natural gas, the permittee must provide 30 days prior notice of the date upon fuel switch. The notification must identify:

SECTION D. Source Level Requirements

- (a) 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.
- (b) The currently applicable subcategory under 40 CFR Part 63 Subpart JJJJJJ.
- (c) The date on which the permittee became subject to the currently applicable standards.
- (d) The date upon which the permittee will commence the fuel switch.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall submit a Notification of Compliance Status no later than 120 days after March 21, 2012, according to 40 CFR § 63.11225(a)(4), attesting to compliance with the initial tune-up of the boiler.
- (b) In addition to the information required in 40 CFR § 63.9(h)(2), the notification must include a certification of compliance stating "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler" and signed by a responsible official, according to 40 CFR § 63.11225(a)(4)(i).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall submit a Notification of Compliance Status no later than 120 days after March 21, 2014, according to 40 CFR § 63.11225(a)(4), attesting to compliance with the energy assessment of the boiler.
- (b) In addition to the information required in 40 CFR § 63.9(h)(2), the notification must include a certification of compliance stating "This facility has had an energy assessment performed according to 40 CFR § 63.11214(c)" and signed by a responsible official, according to 40 CFR § 63.11225(a)(4)(ii).

VI. WORK PRACTICE REQUIREMENTS.

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

The permittee shall maintain and operate the necessary meter(s) to determine and to record the amount of fuel usage for this boiler.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What standards must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall conduct a tune-up of the boiler by March 21, 2012 and biennially thereafter, according to 40 CFR §§ 63.11201(b), 63.11210(c), 63.11223(a) and (b), and Table 2 of 40 CFR Part 63 Subpart JJJJJJ.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
What standards must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

SECTION D. Source Level Requirements

(a) The permittee shall have a one-time energy assessment performed by a qualified energy assessor, according to 40 CFR § 63.11201(b) and Table 2 of 40 CFR Part 63 Subpart JJJJJJ, no later than March 21, 2014.

(b) The energy assessment must include:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints,
- (3) Inventory of major systems consuming energy from affected boiler(s),
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures,
- (6) A list of the energy savings potential of the energy conservation measures identified,
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my general requirements for complying with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall at all times operate and maintain the source in a manner consistent with safety and good air pollution control practices for minimizing emissions, according to 40 CFR § 63.11205(a). The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

How do I demonstrate continuous compliance with the work practice and management practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up, according to 40 CFR § 63.11223(a).

(b) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance as follows, according to 40 CFR § 63.11223(b)(1)-(7):

- (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, but the permittee must inspect each burner 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 should be consistent with the manufacturer's specifications, if available.
- (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, if available.
- (5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

SECTION D. Source Level Requirements

(6) Maintain onsite and submit, if requested by the Administrator, biennial report containing the following information:

- (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.
- (ii) A description of any corrective actions taken as a part of the tune-up of the boiler.
- (iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This is a Cleaver Brooks Boiler rated at 20.412 MMBtu/hr.

SECTION D. Source Level Requirements

Source ID: 037

Source Name: SMALL NO. 2 FUEL OIL BOILERS

Source Capacity/Throughput:

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 this source in excess of 0.4 pound per million BTU of heat input 25 Pa. Code § 123.11(a)(1).

Fuel Restriction(s).

002 [25 Pa. Code §123.22]

Combustion units

No person may, at any time, offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the Southeast air basin which contains sulfur in excess of 0.3% by weight, pursuant to 25 Pa. Code § 123.22(e)(2), for the outer zone.

[Compliance with this condition assures compliance with 25 Pa. Code § 123.22(e)(1), for the outer zone.]

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

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

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

III. MONITORING REQUIREMENTS.

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

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain the records specified as follows, according to 40 CFR § 63.11225(c):

(a) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee must keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted.

(b) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 (regarding tune-up) as follows:

(1) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(2) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel, including whether the fuel has received a non-waste determination by the permittee or USEPA, and the total fuel usage amount with units of measure.

(c) Records of the occurrence and duration of each malfunction of the boiler.

(d) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation.

V. REPORTING REQUIREMENTS.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall prepare, by March 1 biennially, and submit to the delegated authority upon request, a biennial compliance certification report for the previous calendar years containing the information specified as follows, according to 40 CFR § 63.11225(b). The permittee shall submit the report by March 15 if there were any instances described by paragraph (c) below.

(a) Company name and address.

(b) Statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63 Subpart JJJJJJ.

(c) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(d) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the permittee or EPA through a petition process to be a non-waste under 40 CFR § 241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR § 241.3, and the total fuel usage amount with units of measure.

SECTION D. Source Level Requirements

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

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 40 CFR Part 63 Subpart JJJJJJ due to a switch to 100 percent natural gas, the permittee must provide 30 days prior notice of the date upon fuel switch. The notification must identify:

- (a) 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.
- (b) The currently applicable subcategory under 40 CFR Part 63 Subpart JJJJJJ.
- (c) The date on which the permittee became subject to the currently applicable standards.
- (d) The date upon which the permittee will commence the fuel switch.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

- (a) The permittee shall submit a Notification of Compliance Status no later than 120 days after March 21, 2012, according to 40 CFR § 63.11225(a)(4), attesting to compliance with the initial tune-up of the boiler.
- (b) In addition to the information required in 40 CFR § 63.9(h)(2), the notification must include a certification of compliance stating "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler" and signed by a responsible official, according to 40 CFR § 63.11225(a)(4)(i).

VI. WORK PRACTICE REQUIREMENTS.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What standards must I meet?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall conduct a tune-up of the boiler by March 21, 2012 and biennially thereafter, according to 40 CFR §§ 63.11201(b), 63.11210(c), 63.11223(a) and (b), and Table 2 of 40 CFR Part 63 Subpart JJJJJJ.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

What are my general requirements for complying with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The permittee shall at all times operate and maintain the source in a manner consistent with safety and good air pollution control practices for minimizing emissions, according to 40 CFR § 63.11205(a). The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

SECTION D. Source Level Requirements

SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

How do I demonstrate continuous compliance with the work practice and management practice standards?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

(a) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up, according to 40 CFR § 63.11223(a).

(b) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance as follows, according to 40 CFR § 63.11223(b)(1)-(7):

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, but the permittee must inspect each burner 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 should be consistent with the manufacturer's specifications, if available.

(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, if available.

(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

(6) Maintain onsite and submit, if requested by the Administrator, biennial report containing the following information:

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 037 consists of the following existing oil-fired boilers:

Residential Heating Boiler - 0.18 MMBtu/hr - Cottage 4 (Linden House) - No. 2 Fuel Oil

Residential Heating Boiler - 0.18 MMBtu/hr - Cottage 5 (Hedge House) - No. 2 Fuel Oil

Residential Heating Boiler - 0.15 MMBtu/hr - Ellis House - No. 2 Fuel Oil

Residential Heating Boiler - 0.15 MMBtu/hr - Ellis House - No. 2 Fuel Oil

Residential Heating Boiler - 0.55 MMBtu/hr - Cottage 7 - No. 2 Fuel Oil

Residential Heating Boiler - 0.89 MMBtu/hr - Cottage 8 - No. 2 Fuel Oil

Residential Heating Boiler - 0.55 MMBtu/hr - Cottage 9 - No. 2 Fuel Oil

Residential Heating Boiler - 1.79 MMBtu/hr - Conference Center - No. 2 Fuel Oil

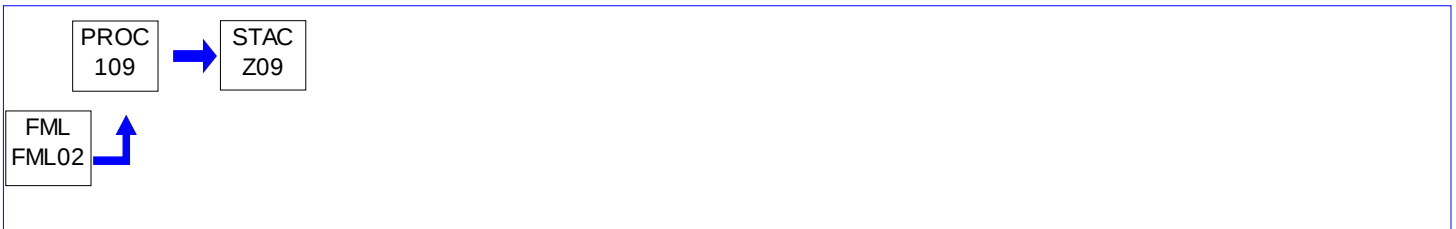
Residential Heating Boiler - 0.20 MMBtu/hr - McCoy - No. 2 Fuel Oil

SECTION D. Source Level Requirements

Source ID: 109

Source Name: BOILER HOUSE EMERGENCY GENERATOR

Source Capacity/Throughput: 8.800 Gal/HR #2 Oil

**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 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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

The permittee shall limit the aggregate NOx emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

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

The permittee shall fire this source with diesel fuel or No. 2 fuel oil, containing a maximum of 0.3% by weight sulfur.

[Compliance with this condition streamlines compliance with 25 Pa. Code § 123.21]

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

The permittee shall limit hours of operation for this source to 500 hours per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

SECTION D. Source Level Requirements

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the type of fuel consumed and hours of operation for this source on a monthly basis, when in operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain monthly records of the type of fuel consumed for this source, when in operation.

(b) The permittee shall maintain monthly records, including 12-month rolling sums, of the hours of operation for this source, when in operation.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NO_x emissions from all exempt generators on site (as applicable), including ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums, to demonstrate compliance with the NO_x emission limits applicable to this source.

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.

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This existing commercial emergency generator is rated at 125 kW.

SECTION D. Source Level Requirements

Source ID: 110

Source Name: FIRE PUMP

Source Capacity/Throughput: 12.500 Gal/HR #2 Oil



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 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the aggregate NOx emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall fire this source with diesel fuel or No. 2 fuel oil, containing a maximum of 0.3% by weight sulfur.

[Compliance with this condition streamlines compliance with 25 Pa. Code § 123.21]

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit hours of operation for this source to 500 hours per year, based on a 12-month rolling sum.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

How do I demonstrate continuous compliance with the emission limitations and operating limitations?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

Beginning May 3, 2013, the permittee shall operate the emergency stationary RICE as follows, according to 40 CFR § 63.6640(f)(1)(i) - (iii):

(a) No more than one hundred (100) hours per year for maintenance checks and readiness testing as required by the manufacturer, insurance company, or government agency; and

(b) No more than fifty (50) hours in non-emergency situations, but these fifty must be counted toward the 100 hours for maintenance and readiness testing. These 50 hours cannot be used for peak shaving or to generate income by supplying power as part of a financial arrangement with another entity; except that you may operate the emergency engine for a maximum of fifteen (15) hours per year as part of a demand response program as outlined in 40 CFR § 63.6640(f)(1)(iii).

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

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

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

III. MONITORING REQUIREMENTS.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

Beginning May 3, 2013, the permittee shall monitor the hours of operation of this emergency engine using a non-resettable hour meter, according to 40 CFR § 63.6625(f).

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NO_x emissions from all exempt generators on site (as applicable), including ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums, to demonstrate compliance with the NO_x emission limits applicable to this source.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

On May 3, 2013, the following recordkeeping requirements will apply to this engine, according to 40 CFR § 63.6655(f)(2):

(a) The permittee shall keep records of the hours of operation (12-month rolling sums) of the engines that is recorded through non-resettable hour meters.

(b) The permittee shall 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.

(c) If the engine is used for demand response operation, the permittee shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

SECTION D. Source Level Requirements

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

By May 3, 2013, the permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the source is operated and maintained according to a maintenance plan, according to 40 CFR § 63.6655(e)(2) and (3).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]

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

What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

Beginning May 3, 2013, the permittee shall perform the following work practice standards, according to 40 CFR § 63.6603 and Table 2d of Subpart ZZZZ:

- (a) Change oil and filter every 500 hours of operation or annually, whichever comes first,
- (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first,
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

The permittee has the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) in order to extend the specified oil change requirement in (a) above.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

[Additional authority for this permit is also derived from 25 Pa. Code § 127.35]

The permittee shall maintain and operate this emergency generator in accordance with manufacturer's emission-related written instructions or self-developed maintenance plan which provides to the extent practicable for the maintenance and operation of the engine in a manner consistent with safety and good air pollution control practices for minimizing emissions, according to 40 CFR § 63.6605(a) and (b) and 40 CFR § 63.6625(e)(3).

VII. ADDITIONAL REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

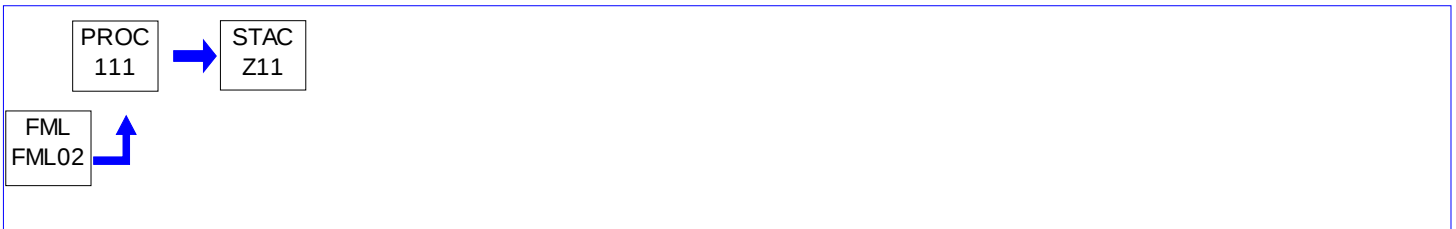
This fire pump is an existing, compression ignition, emergency, non-black-start stationary engine rated less than 500 hp (230 hp).

SECTION D. Source Level Requirements

Source ID: 111

Source Name: EXECUTIVE OFFICE EMERGENCY GENERATOR

Source Capacity/Throughput: 1.000 Gal/HR #2 Oil

**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 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

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

The permittee shall limit the aggregate NOx emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

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

The permittee shall fire this source with diesel fuel or No. 2 fuel oil, containing a maximum of 0.3% by weight sulfur.

[Compliance with this condition streamlines compliance with 25 Pa. Code § 123.21]

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

The permittee shall limit the hours of operation for this emergency generator to less than 500 hours per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

SECTION D. Source Level Requirements

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records, including 12-month rolling sums, of the hours of operation for this source, when in operation.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt generators on site (as applicable), including ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums, to demonstrate compliance with the NOx emission limits applicable to this source.

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.

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

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This existing commercial emergency stationary reciprocating internal combustion engine is rated at 0.14 MMBtu/hr input (15 kW output).

SECTION D. Source Level Requirements

Source ID: 112

Source Name: BUILDING D EMERGENCY GENERATOR

Source Capacity/Throughput:

268.000 CF/HR

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 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the aggregate NOx emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

The permittee shall comply with the emission standards in 40 CFR § 60.4231(a) for this stationary spark ignition internal combustion engine, according to 40 CFR § 60.4233(a) and 40 CFR § 90.103(a), Table 3 for Phase 2 Class II Engines, Model Year 2005 and later, as follows:

HC + NOx = 12.1 grams per kilowatt-hour

NMHC + NOx = 11.3 grams per kilowatt-hour

CO = 610 grams per kilowatt-hour.

Fuel Restriction(s).

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

(a) The permittee shall fire natural gas only in this emergency stationary internal combustion engine.

(b) The permittee may operate this engine using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use, according to 40 CFR § 60.4243(e). If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the permittee is required to conduct a performance test to demonstrate compliance with the emission standards of 40 CFR § 60.4233.

Operation Hours Restriction(s).

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

SECTION D. Source Level Requirements

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

- (a) The permittee may operate the emergency stationary internal combustion engine (ICE) for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
- (b) There is no time limit on the use of emergency stationary internal combustion engines in emergency situations.
- (c) The permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year.
- (d) Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.
- (e) The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
- (f) Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR § 60.4243(d), is prohibited.

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 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

The permittee shall monitor the hours of operation of this engine by using a non-resettable hour meter, according to 40 CFR § 60.4237(c).

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NO_x emissions from all exempt generators on site (as applicable), including ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums, to demonstrate compliance with the NO_x emission limits applicable to this source.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

- (a) The permittee shall keep records of conducted maintenance to demonstrate with manufacturer's specifications and recommendations, according to 40 CFR § 60.4243(a)(1) and 40 CFR § 60.4245(a)(2).
- (b) The permittee shall keep records of all notifications submitted to comply with this 40 CFR Part 60 Subpart JJJJ, and all

SECTION D. Source Level Requirements

documentation supporting any notification, according to 40 CFR § 60.4245(a)(1).

(c) The permittee shall keep records of documentation from the manufacturer that the engine is certified to meet the emission standards, according to 40 CFR § 60.4245(a)(3).

(d) The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator 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, according to 40 CFR § 60.4245(b).

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 60.4233]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

(a) The permittee shall comply with the requirements of 40 CFR § 60.4233(a) by maintaining and operating only the engine certified to the emissions standards applicable to the same engine class (Phase 2, Engine Class II) and maximum engine power (20.2 kW/27.1 HP), according to 40 CFR § 60.4243(a).

(b) The permittee shall operate and maintain the certified stationary SI internal combustion engine according to the manufacturer's emission-related written instructions, according to 40 CFR § 60.4243(a)(1).

(c) If the permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance.

VII. ADDITIONAL REQUIREMENTS.

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

Source ID 112 contains one (1) spark ignition, Kohler (Model 20RES - USEPA Certified Phase 2, Class II), 20 kW emergency use, stationary internal combustion engine, fired by natural gas.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description			
031	BOILER 1			
Emission Limit		Pollutant		
0.400	Lbs/MMBTU	PM10		
035	BOILER NO. 2			
Emission Limit		Pollutant		
0.400	Lbs/MMBTU	PM10		
036	BOILER NO. 3			
Emission Limit		Pollutant		
0.400	Lbs/MMBTU	PM10		
037	SMALL NO. 2 FUEL OIL BOILERS			
Emission Limit		Pollutant		
0.400	Lbs/MMBTU	PM10		
109	BOILER HOUSE EMERGENCY GENERATOR			
Emission Limit		Pollutant		
2.750	Tons/OZNESEAS	all exempt engines on site, ozone season	NOX	
6.600	Tons/Yr	all exempt engines on site, 12-month rolling sum	NOX	
99.900	Lbs/Hr	all exempt engines on site	NOX	
999.900	Lbs/Day	all exempt engines on site	NOX	
0.040	gr/DRY FT3	PM10		
110	FIRE PUMP			
Emission Limit		Pollutant		
2.750	Tons/OZNESEAS	all exempt engines on site, ozone season	NOX	
6.600	Tons/Yr	all exempt engines on site, 12-month rolling sum	NOX	
99.900	Lbs/Hr	all exempt engines on site	NOX	
999.900	Lbs/Day	all exempt engines on site	NOX	
0.040	gr/DRY FT3	PM10		
111	EXECUTIVE OFFICE EMERGENCY GENERATOR			
Emission Limit		Pollutant		
2.750	Tons/OZNESEAS	all exempt engines on site, ozone season	NOX	
6.600	Tons/Yr	all exempt engines on site, 12-month rolling sum	NOX	
99.900	Lbs/Hr	all exempt engines on site	NOX	
999.900	Lbs/Day	all exempt engines on site	NOX	
0.040	gr/DRY FT3	PM10		

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
112	BUILDING D EMERGENCY GENERATOR		
Emission Limit			Pollutant
2.750	Tons/OZNESEAS	all exempt engines on site, ozone season	NOX
6.600	Tons/Yr	all exempt engines on site, 12-month rolling sum	NOX
99.900	Lbs/Hr	all exempt engines on site	NOX
999.900	Lbs/Day	all exempt engines on site	NOX
0.040	gr/DRY FT3		PM10

Site Emission Restriction Summary

Emission Limit		Pollutant
99.900	Tons/Yr	SOX
24.900	Tons/Yr	NOX

**SECTION G. Miscellaneous.**

May 2007 - Initial Issuance

(a) Certain terms and conditions in this state only permit have been derived from the previously issued permit 23-302-076 (three boilers).

(b) 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:

(Equipment) (Capacity Units) (Location) (Fuel)

Infrared Heater - 0.08 MMBtu/hr - Fitness Center - Natural Gas

Infrared Heater - 0.08 MMBtu/hr - Fitness Center - Natural Gas

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Infrared Heater - 0.08 MMBtu/hr - Fitness Center - Natural Gas

Infrared Heater - 0.08 MMBtu/hr - Fitness Center - Natural Gas

Water Heater - 0.94 MMBtu/hr - Fitness Center - Natural Gas

Rooftop Heater - ~2.00 MMBtu/hr - Fitness Center - Natural Gas

Residential Heating Boiler- 0.20 MMBtu/hr- McCoy- No. 2 Fuel Oil * This source has been removed from the facility *

September 2009 - Administrative Amendment

(c) APS ID 543322, AUTH ID 803787: This is an administrative amendment to incorporate terms and conditions from Plan Approval No. 23-0106 (AUTH ID 797406) into the Synthetic Minor Operating Permit No. 23-00106. The plan approval allowed the installation of two (2) dual-fired (natural gas and No. 2 fuel oil) Cleaver Brooks boilers, each rated at 20.412 MMBtu/hr (Source ID 035 - Boiler No. 2 and Source ID 036 - Boiler No. 3). The two (2) new boilers replace two (2) older boilers, each rated at 34 MMBtu/hr (Source ID 032 - Boiler No. 2 and Source ID 033 - Boiler No. 3), which have been permanently removed from the facility.

June 2012 - Renewal Permit

(d) APS ID 543322, AUTH ID 909705: This Authorization is the permit renewal. The following items have been addressed with this renewal permit:

(1) The NAICS Code has been corrected from 221330 to 531312 - Nonresidential Property Managers; the SIC Code has been corrected from 4961 to 6531 - Real Estate Agents and Managers.

(2) The existing No. 2/diesel fuel oil emergency generator (compression ignition engine) rated at 0.14 MMBtu/hour input (15 kW output), located in the Executive Office Building and previously listed in Section G (Miscellaneous) of the permit, now appears in Section A (Site Inventory) and Section D (Source Level Requirements) as Source ID 111 – Executive Office Emergency Generator to incorporate applicable requirements.

(3) A new natural gas-fired 0.281 MMBtu/hr (18 kW/24 hp) Kohler 20RES emergency generator was installed at the facility in the D-Building, in March 2011. The source appears in Section A (Site Inventory) and Section D (Source Level Requirements) as Source ID 112 – Building D Emergency Generator. Applicable regulations apply to this source.

(4) Source ID 037 (Small No. 2 Fuel Oil Boilers) has been created in order to include all previously exempt boilers which are capable of firing fuel oil and are now subject to the Boiler GACT (40 C.F.R. Part 63 Subpart JJJJJ) Rule. The source appears in Section A (Site Inventory) and Section D (Source Level Requirements) of the permit; applicable requirements are included, as well as a complete list of the boilers to be included in the source identification in VII. Additional Requirements.

(5) The description "Boiler House" has been added to existing Source ID 109 Emergency Generator in order to differentiate the various generators on site.

(6) A small (0.2 MMBtu/hr) No. 2 fuel oil fired residential McCoy heating boiler has been removed from the facility. Section G condition (b) above has been edited to note the update.

(7) The existing emergency generator (Source ID 109), the existing fire pump (Source ID 110), the previously exempt emergency

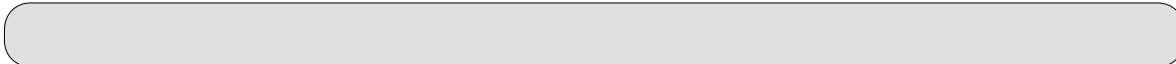
SECTION G. Miscellaneous.

generator listed in Section G of the permit (newly created Source ID 111) and the new emergency generator (Source ID 112) qualify for exemption of plan approval requirements according to the NOx exemption limit of 100 lbs/hour, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines on site from Air Quality Permit Exemption, Document No. 275-2101-003 dated July 26, 2003, Section 127.14(a)(8), No. 6. The NOx emission limit as well as associated recordkeeping has been added to each emergency engine in Section D (Source Level Requirements).

(8) The requirements of 40 C.F.R. Part 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines apply and have been added to Section D for Source ID 112 - Building D Emergency Generator.

(9) The requirements of 40 C.F.R. Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines apply and have been added to Section D for Source ID 110 - Fire Pump.

(10) The requirements of 40 C.F.R. Part 63 Subpart JJJJJ – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources apply and have been added to Section D for the boilers listed as Source ID 031, Source ID 035, Source ID 036, and Source ID 037.



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