



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: June 16, 2011

Effective Date: August 1, 2011

Expiration Date: July 31, 2016

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

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

State Only Permit No: 46-00072

Synthetic Minor

Federal Tax Id - Plant Code: 23-6002830-05

Owner Information

Name: PA AIR NATL GUARD

Mailing Address: 111 MDG/EM
1120 FAIRCHILD ST
HORSHAM, PA 19044-5236

Plant Information

Plant: PA AIR NATL GUARD / HORSHAM

Location: 46 Montgomery County 46931 Horsham Township
SIC Code: 9711 Public Admin. - National Security

Responsible Official

Name: CPT SETH FOULKES
Title: ENVIRONMENTAL MANAGER
Phone: (215) 443 - 1432

Permit Contact Person

Name: CPT SETH FOULKES
Title: ENVIRONMENTAL MANAGER
Phone: (215) 443 - 1432

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

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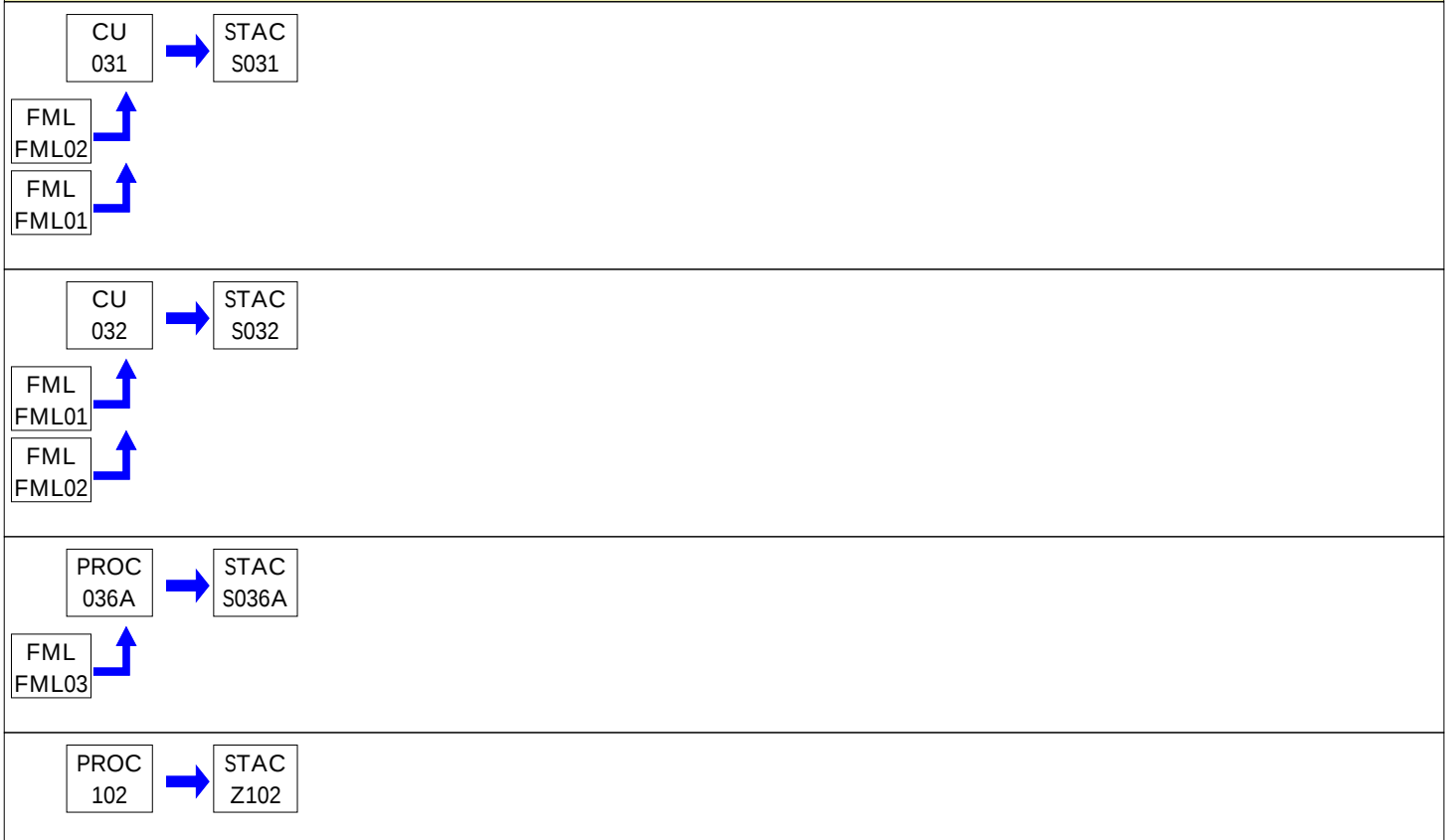
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER A - BLDG 212	23.500	MMBTU / HR
		N / A	#2 Oil
		N / A	Natural Gas
032	BOILER B - BLDG 212	23.500	MMBTU / HR
		N / A	#2 Oil
		N / A	Natural Gas
036A	EXEMPT EMERGENCY GENERATORS	N / A	Diesel Fuel
102	COLD CLEANING UNITS	N / A	
FML01	NATURAL GAS		
FML02	NUMBER 2 FUEL OIL		
FML03	DIESEL FUEL		
S031	BOILER A STACK		
S032	BOILER B STACK		
S036A	EXEMPT EMERGENCY GENERATORS EMISSIONS		
Z102	COLD CLEANING EMISSIONS		

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.

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(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, 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.

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

Compliance Requirements.

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

- (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.

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(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 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

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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:

(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

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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)
- (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.

SECTION B. General State Only Requirements

(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 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

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

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (1) construction or demolition of buildings or structures;
- (2) grading, paving and maintenance of roads and streets;
- (3) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;
- (4) clearing of land;
- (5) stockpiling of materials;
- (6) open burning operations;
- (7) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting;
- (8) coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and
- (9) sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) the emissions are of minor significance with respect to causing air pollution; and
 - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

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

{MALODOR EMISSIONS}

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.

SECTION C. Site Level Requirements

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

{VISIBLE EMISSION EXCEPTIONS}

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

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1-9).

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the combined facility wide total NOx emissions is less than 25 tons per year calculated on a 12-month rolling sum.

008 [25 Pa. Code §129.14]

Open burning operations

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set solely for cooking food.
- (d) A fire set solely for recreational or ceremonial purposes.
- (e) A fire set for the prevention and control of disease or pests, when approved by the Department.

Fuel Restriction(s).

009 [25 Pa. Code §123.22]

Combustion units

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

II. TESTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION C. Site Level Requirements

(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.

011 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

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

III. MONITORING REQUIREMENTS.

012 [25 Pa. Code §123.43]

Measuring techniques

{VISIBLE EMISSION MONITORING}

Visible emissions may be measured using either of the following:

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

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

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the facility, once per week, 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.

SECTION C. Site Level Requirements

(3) Be recorded in a permanent written log or electronic format with a system back-up to prevent loss of data.

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

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

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the total combined facility wide NOx emissions calculations monthly and on a 12-month rolling sum.

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.

Within sixty (60) days after permit issuance, the permittee shall submit, to the Department for approval, the proposed recordkeeping formats required in this Operating Permit.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

V. REPORTING REQUIREMENTS.

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:

SECTION C. Site Level Requirements

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

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

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

VI. WORK PRACTICE REQUIREMENTS.

020 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

SECTION C. Site Level Requirements

A person responsible for any source specified in 25 Pa. Code § 123.1 (a)(1-9), shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

021 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

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 the source(s) and air pollution control device(s), listed in Section A and Section G, where applicable, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

023 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall notify the Department in writing as the facility adds or removes any sources.

VII. ADDITIONAL REQUIREMENTS.

024 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

NATIONAL OR STATE SECURITY EMERGENCY

(1) When a national or state security emergency occurs, the resulting surge conditions shall not be considered in determining compliance with permit terms:

(a) A "national or state security emergency" means a situation where extremely quick action on the part of a Military Department or a Department of Defense component is needed, and when timing of such action may make it impracticable to meet one or more requirements of an applicable permit. National or state security emergencies are actions necessary to support operation of United States forces introduced into hostilities or introduced into situations where involvement in hostilities is a possibility, peacekeeping operations, rendering emergency humanitarian relief, actions to extinguish wildfires, immediate responses to the release or discharge of oil or hazardous material in accordance with approved Spill Prevention and Response Plans and Spill Contingency Plans, and responses to natural disasters such as hurricanes, earthquakes, or civil disturbances.

(b) A "surge condition" occurs when the temporary response to the national security emergency requires a change in operations and/or an increase cannot be accommodated within the terms of the applicable permit limitations.

SECTION C. Site Level Requirements

- (2) The commander of the military installation or activity responding to a national or state security emergency shall determine when a national or state security emergency surge condition exists and shall provide notice of this determination to the Air Quality Program Manager and United States Environmental Protection Agency, Region III, and shall report such determination to the responsible Secretary of the appropriate Military Department or head of the Department of Defense Component, in writing, within, five (5) working days after the start of the surge conditions.
- (3) The Commander of the military installation or activity shall make a determination that a national or state security emergency surge condition exists only after making reasonable efforts to accommodate the change and /or increase within allowable requirements and permit limits.
- (4) If the national or state security emergency surge condition extends beyond 30 calendar days from the date of the notice, the continued use of this national or state security emergency provision must be approved by the responsible Secretary of the Military Department or the Head of the Department of defense Component.
- (5) Within forty-five (45) working days after the emergency surge condition has ended, the commander of the military installation or activity shall provide a written report to the Air Quality Program Manager, to the United States Environmental Protection Agency, Region III, and to the responsible Secretary of the Military Department or the Head of the Department of Defense Component, describing the amount of increased pollutants caused by the surge condition.

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 A - BLDG 212

Source Capacity / Throughput:

23.500

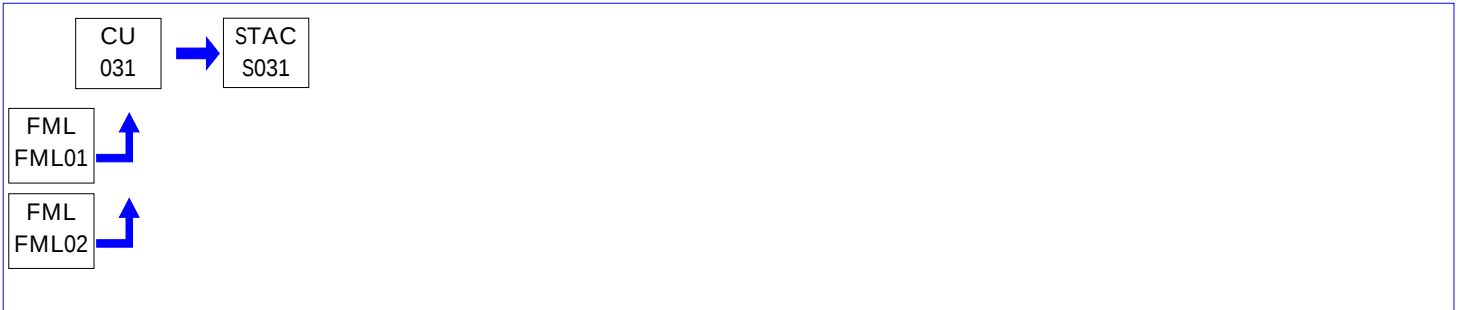
MMBTU / HR

N / A

#2 Oil

N / A

Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

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

[Compliance with this condition assures compliance with streamlined condition 25 Pa. Code § 123.22(e)(1), for the outer zone, and also assures compliance with 40 C.F.R. § 60.42c(d).]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use No.2 fuel oil and/or natural gas for this source.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

SECTION D. Source Level Requirements

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

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the amount and type of fuel used for this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall keep records of the amount and type of fuel used monthly and on a 12-month rolling sum.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.48c(g)]

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.3 percent, each time a delivery is made.

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

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

Each adjustment conducted under the tune-up procedures for this source, shall be recorded in a permanently bound log book or binder, and contain the following:

- (a) the date of the tuning procedure;
- (b) the name of the service company and technician;
- (c) the final operating rate or load;
- (d) the final CO and NOx emission rates; and
- (e) the final excess oxygen rate.

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall keep all records associated with this source for a minimum of 5 years.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.48c(h)(i)]

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

[Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.](#)

[Additional Authority for this permit condition is also derived from 40 C.F.R. § 60.48c(f)(1)]

SECTION D. Source Level Requirements

The permittee shall demonstrate compliance with the sulfur emission limits or fuel oil limits under 40 CFR 60.42c (which has been streamlined into the condition regarding 25 Pa. Code § 123.22(e)(2)) by maintaining the certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1)(below), pursuant to 40 CFR 60.42c(h)(1).

The fuel supplier certification shall include the following information:

- (a). The name of the oil supplier.
- (b). The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location.
- (c). The sulfur content of the oil from which the shipment came (or of the shipment itself); and
- (d). The method used to determine the sulfur content of the oil.

V. REPORTING REQUIREMENTS.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

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

The reporting period for the reports required under this permit is each six-month period. All reports shall be submitted to the EPA and shall be postmarked by the 30th day following the end of the reporting period.

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

(a) The permittee shall perform an annual tune-up on the combustion process for this source. The annual tune-up shall consist of, at a minimum, the following:

- (1) inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer;
- (2) inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable, minimize the emissions of CO; and
- (3) inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

(b) The annual combustion tune-up shall be made in accordance with EPA document, Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers, September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a boiler manufactured by Superior / Volcano, model /serial number 700HTWLG3/160-E, rated at 23.45 MMBTU / HR.

SECTION D. Source Level Requirements

Source ID: 032

Source Name: BOILER B - BLDG 212

Source Capacity / Throughput:

23.500

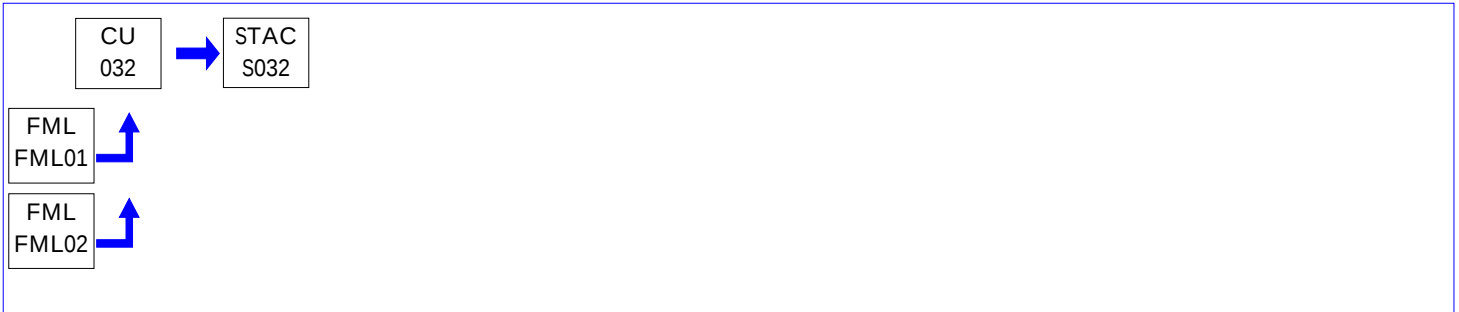
MMBTU / HR

N / A

#2 Oil

N / A

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

Fuel Restriction(s).

003 [25 Pa. Code §123.22]

Combustion units

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

[Compliance with this condition assures compliance with streamlined condition 25 Pa. Code § 123.22(e)(1), for the outer zone, and also assures compliance with 40 C.F.R. § 60.42c(d).]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use No.2 fuel oil and/or natural gas for this source.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

SECTION D. Source Level Requirements

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

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall monitor the amount and type of fuel used for this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall keep records of the amount and type of fuel used monthly and on a 12-month rolling sum.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.48c(g)]

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, is less than or equal to 0.3 percent, each time a delivery is made.

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

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

Each adjustment conducted under the tune-up procedures for this source, shall be recorded in a permanently bound log book or binder, and contain the following:

- (a) the date of the tuning procedure;
- (b) the name of the service company and technician;
- (c) the final operating rate or load;
- (d) the final CO and NOx emission rates; and
- (e) the final excess oxygen rate.

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall keep all records associated with this source for a minimum of 5 years.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.48c(h)(i)]

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

[Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.](#)

[Additional Authority for this permit condition is also derived from 40 C.F.R. § 60.48c(f)(1)]

SECTION D. Source Level Requirements

The permittee shall demonstrate compliance with the sulfur emission limits or fuel oil limits under 40 CFR 60.42c (which has been streamlined into the condition regarding 25 Pa. Code § 123.22(e)(2)) by maintaining the certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1)(below), pursuant to 40 CFR 60.42c(h)(1).

The fuel supplier certification shall include the following information:

- (a). The name of the oil supplier.
- (b). The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location.
- (c). The sulfur content of the oil from which the shipment came (or of the shipment itself); and
- (d). The method used to determine the sulfur content of the oil.

V. REPORTING REQUIREMENTS.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.

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

The reporting period for the reports required under this permit is each six-month period. All reports shall be submitted to the EPA and shall be postmarked by the 30th day following the end of the reporting period.

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

(a) The permittee shall perform an annual tune-up on the combustion process for this source. The annual tune-up shall consist of, at a minimum, the following:

- (1) inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer;
- (2) inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable, minimize the emissions of CO; and
- (3) inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

(b) The annual combustion tune-up shall be made in accordance with EPA document, Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers, September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a boiler manufactured by Superior / Volcano, model /serial number 700HTWLG3/160-E, rated at 23.45 MMBTU / HR.

SECTION D. Source Level Requirements

Source ID: 036A

Source Name: EXEMPT EMERGENCY GENERATORS

Source Capacity / Throughput:

N / A

Diesel Fuel

**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 each emergency generator at any time, in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the total combined NO_x emissions for all exempt generators to less than 100 pounds per hour (lb/hr), 1000 pounds per day (lb/day), 2.75 tons per ozone season and 6.6 tons per year (tpy) calculated on a 12-month rolling basis.

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 and the output rating for each generator.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the hours of operation and the output rating for each generator.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep calculations and records of the total combined NO_x emissions for all exempt generators demonstrating compliance with the exemption requirements of 100 pounds per hour (lb/hr), 1000 pounds per day (lb/day),

SECTION D. Source Level Requirements

2.75 tons per ozone season and 6.6 tons per year (tpy) calculated on a 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

As any emergency generator is being added or removed, the Department should be notified in writing.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

This source consists of the following exempt emergency generators:

- (a) Bldg. 211 - Caterpillar (200 kW)
- (b) Bldg. 212 - Katolite John Deer (105 kW)
- (c) Bldg. 219 - Katolite (150 kW)
- (d) Bldg. 231 - Detriot Diesel (45 kW)- uses propane
- (e) Bldg. 232 - Libby (10 kW)
- (f) Bldg. 233 - Libby (60 kW)
- (g) Bldg. 236 - Onan (15 kW)- uses natural gas
- (h) Bldg. 245 - Allis Chalmers (80 kW)
- (i) Bldg. 345 - Libby (30 kW)
- (j) Bldg. 246 - Cummins/Onan (35 kW)
- (k) Bldg. 202 - Katolight (150 kW)

SECTION D. Source Level Requirements

Source ID: 102

Source Name: COLD CLEANING UNITS

Source Capacity / Throughput:

N / A



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall ensure that each Immersion cold cleaning machine has a freeboard ratio of 0.50 or greater.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor monthly the amount of cleaning solvent used.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep monthly records of the amount of cleaning solvent used.

004 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall keep records of:

- (a) an invoice,
- (b) bill of sale,
- (c) certificate that corresponds to a number of sales,
- (d) Material Safety Data Sheet (MSDS), or
- (e) other appropriate documentation acceptable to the Department may be used to comply with 25 Pa. Code 129.63.

V. REPORTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §129.63]

Degreasing operations

(a) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (b). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(b) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

006 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall ensure that:

(a) a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

SECTION D. Source Level Requirements**VII. ADDITIONAL REQUIREMENTS.**

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of the following cold cleaning units:

Bldg 219 - Dyna Zep parts cleaner for weapons cleaning

Bldg 229 & Bldg 353 - Dyna Zep 680 Cleaner and Zep Brake Buggy

008 [25 Pa. Code §129.63]

Degreasing operations

25 Pa. Code 129.63(a) applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% Volatile Organic Compounds (VOC) content by weight for the cleaning of metal parts.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION F. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION G. Miscellaneous.

The information in Section A is for informational purposes only.

The following sources have been determined to be of minor significance by the Department and do not require any additional monitoring or recordkeeping in accordance with 25 Pa. Code 135.2(4).

- Source ID 037: consists of natural gas boilers in buildings 219, 3 in 236, 219 and 3 in 350(propane), each rated at less than 5 MMBTU / HR.
- Source ID 038: consists of No.2 fuel oil boilers in buildings 231, 240, 353 and 2 in 354, each rated at less than 1 MMBTU / HR.
- Source ID 039: consists of dual fuel fired boilers (NG & No.2) in building 335 and 346, each rated less than 2 MMBTU / HR.

The following sources have been determined by the Department to be insignificant sources of air emissions, and therefore do not require additional limitations, monitoring, or recordkeeping. The determination does not exempt the sources from compliance with the conditions in Section C of the operating permit, or any applicable federal, state, or local regulations that may apply, and if required, the emissions shall be included in the emission inventory as per 25 Pa. Code, Chapter 135:

- paint spray booth and bead blaster in building 227 used for vehicle related touch up painting.
- dispensing and transferring of MOGAS/Diesel to delivery trucks and equipment
- woodworking shop for facility maintenance and repair
- miscellaneous surface coating used by the base for shops/contractors for facility maintenance and repair
- miscellaneous space heaters and water heaters in the following buildings:
320, 227, 229, 236, 238, 312, 231, 237, 235, 2 in 335, 346, 2 in 348 and 354.
- Two (2) boilers manufactured by Weil-McLain, model/serial # Webster Burner 1188 each rated at 3.4 MMBTU / HR in Bldg 320 and 201, building 201 is no longer in use and the one in building 320 use natural gas only.

The following above ground storage tanks (AST) are exempt from 25 Pa. Code 129.57 because the vapor pressure of the material stored is less than 1.5 psi:

Tanks at building:

- 208 1,000 gal, JP8 (No Longer Active)
- 225 15,000 gal, No.2 fuel
- 231 550 gal, No. 2 fuel
- 237 2,000 gal, No.2 fuel
- 238 1,000 gal, No.2 fuel
- 240 2,000 gal, No.2 fuel
- 335 4,000 gal, No.2 fuel (No Longer Active)
- 346 4,000 gal, No.2 fuel (No Longer Active)
- 348 4,000 gal, No.2 fuel (No Longer Active)
- 353 6,000 gal, No.2 fuel
- 354 6,000 gal, No.2 fuel

Source ID 106 (Two JP-8 Above Ground Storage Tanks) was removed from Section D of the Permit. This source ceased operation in April of 2011 and the removal of the tanks is pending.



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