



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: January 3, 2022

Effective Date: December 16, 2021

Expiration Date: November 30, 2026

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: 10-00062

Synthetic Minor

Federal Tax Id - Plant Code: 23-2250505-10

Owner Information

Name: PA STATE SYS OF HIGHER ED SLIPPERY ROCK UNIV
Mailing Address: MAINTENANCE CENTER
SLIPPERY ROCK, PA 16057-1313

Plant Information

Plant: PA STATE SYS OF HIGHER ED/SLIPPERY ROCK UNIV PA
Location: 10 Butler County 10802 Slippery Rock Borough
SIC Code: 8221 Services - Colleges And Universities

Responsible Official

Name: SCOTT MALBERT
Title: ASST VP - FAC & PLANNING
Phone: (724) 738 - 4342 Email: scott.albert@sru.edu

Permit Contact Person

Name: SHANNON HAWKE
Title: ASST DIR HEATING PLANT
Phone: (724) 738 - 2649 Email: SHANNON.HAWKE@SRU.EDU

[Signature] _____
ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



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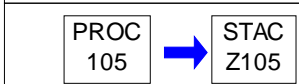
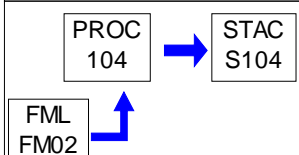
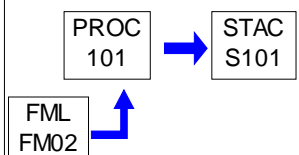
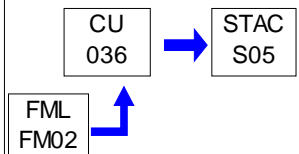
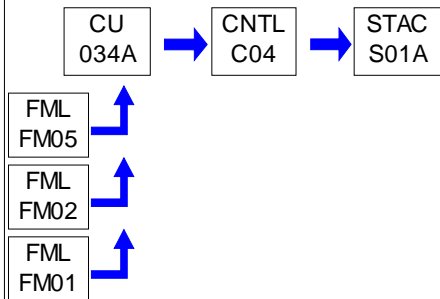
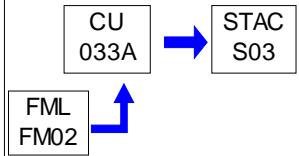
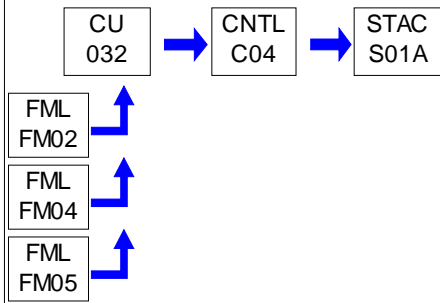
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	BOILER 1	35.000	MMBTU/HR	
		1.330	Tons/HR	Bituminous
		19,980.000	CF/HR	Natural Gas
032	BOILER 2	35.000	MMBTU/HR	
		1.330	Tons/HR	Bituminous
		19,980.000	CF/HR	Natural Gas
033A	BOILER 3	26,330.000	CF/HR	Natural Gas
034A	RETROFITTED BOILER 4	35.500	MMBTU/HR	
		1.350	Tons/HR	Bituminous
		19,980.000	CF/HR	Natural Gas
036	BOILER 5	21.000	MMBTU/HR	
		21,000.000	CF/HR	Natural Gas
101	EMERGENCY ENGINES BUILT PRIOR TO 1/1/2009	3,000.000	CF/HR	Natural Gas
104	EMERGENCY ENGINES BUILT AFTER 1/1/2009	1.000	CF/HR	Natural Gas
105	PARTS WASHER	1.000	Gal/HR	STODDARD SOLVENT
C04	BAGHOUSE			
FM01	BITUMINOUS COAL FEED HOPPER (PEA STOKER)			
FM02	NATURAL GAS			
FM04	BITUMINOUS COAL (NUT)			
FM05	COAL STORAGE BUILDING			
S01A	MODIFIED STACK FOR BOILERS 1,2,&4			
S03	BOILER 3 STACK			
S05	BOILER 5 STACK			
S101	STACK FOR EXISTING EMERGENCY ENGINES			
S104	STACKS FOR NEW EMERGENCY ENGINES			
Z105	FUGITIVES FROM PARTS WASHER			

PERMIT MAPS



PERMIT MAPS



**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

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

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

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

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

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

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

**SECTION B. General State Only Requirements**

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

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

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

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

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

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#024 [25 Pa. Code §135.4]**Report Format**

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

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

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P. S. § § 4001—4015).

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:

- (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) Sources and classes of sources other than those identified above, for which the operator 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.
- (8) [Not applicable.]
- (9) Sources and classes of sources other than those identified in paragraphs (1)—(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution.
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of an 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) through (9) [Section C, Condition #002], above, 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.

**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:

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

006 [25 Pa. Code §123.42]**Exceptions**

The limitations of 25 PA Code 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 25 PA Code 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions). [Refer to Section C, condition #002 in this permit above]
- (4) [Not applicable.]

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

Authority for this condition is also derived from 25 Pa Code §129.91.

- (a) The permittee shall not permit the emission into the outside atmosphere of NO_x in excess of 99.0 tons per year total, for the facility, based on a consecutive 12-month period.
- (b) The permittee shall not permit the emission into the outside atmosphere of NO_x in excess of 25.0 tons per quarter, for the facility, based on a consecutive 3-month period.

[Compliance with this operating permit condition assures compliance with RACT Operating Permit # OP 10-062, issued May 26, 1995.]

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

The facility-wide total potential SO_x emissions shall not exceed 93.7 TPY on a 12-month rolling basis.

II. TESTING REQUIREMENTS.**# 009 [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, malfunctions, or determining compliance with any applicable requirements.

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

**SECTION C. Site Level Requirements**

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

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

The permittee shall maintain monthly records which provide sufficient data and calculations to clearly demonstrate that the requirements of this operating permit are met. Records shall include the following.

- Hours of operation of each boiler;
- Coal usage for each boiler;
- Natural gas usage for each boiler;
- NOx emissions in pounds per hour for each boiler;
- Total NOx emissions for each boiler; and
- Total NOx emissions for all boilers combined.

[Compliance with this operating permit condition assures compliance with RACT Operating Permit # OP 10-062, issued May 26, 1995.]

[Authority for this condition is also derived from 25 PA Code 129.95.]

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

The permittee shall maintain records of deviations from 25 Pa. Code §§ 123.1, 123.2, 123.31, & 123.41 [Conditions #002, #003, #004, & #005 above pertaining to fugitive emissions, malodors, & opacity] and the corrective action taken.

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

The facility shall keep monthly records of the SOx emissions to ensure the 12-month rolling basis restriction is not exceeded.

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Department shall be notified within 24 hour of occurrence, following any failure of process equipment, any failure of any air pollution control equipment, any failure of monitoring equipment, or any process operational error which results in an increase in emissions above any allowable emission rate. In addition, the Department shall be notified in writing of the problem and measures taken to correct the problem as expeditiously as possible but no later than 7 days following such failure. In this notice, SRU shall describe the anticipated length of time that the malfunction may persist, the cause or causes of the malfunction, all measures taken or to be taken by SRU to minimize the duration of the malfunction, and the schedule by which SRU proposes to implement those measures.

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

(a) The permittee shall submit to the Department the following on a quarterly basis:

- Report of NOx emissions for previous 12 consecutive month period.

(b) The quarterly reports shall be due within 1 month of the end of each quarterly period as follows:

- (1) 1st quarter (Jan, Feb, Mar) report shall reflect the period April 1 of prior year through March 31 of current year and is due April 30.
- (2) 2nd quarter (Apr, May, Jun) report for the period July 1 of prior year through June 30 of current year is due July 31.
- (3) 3rd quarter (Jul, Aug, Sep) report for period Oct. 1 of prior year through Sept. 30 of current year is due October 31.
- (4) 4th quarter (Oct, Nov, Dec) report for period January 1 - December 31 is due January 31.

(c) The reports shall list the monthly totals and the cumulative 12-month totals for each boiler for the following metrics:

**SECTION C. Site Level Requirements**

- Hours of operation of each boiler;
- Coal usage for each boiler;
- Natural gas usage for each boiler;
- NOx emissions in pounds per hour for each boiler;
- Total NOx emissions for each boiler; and
- Total NOx emissions for all boilers combined.

[Compliance with this operating permit condition assures compliance with RACT Operating Permit # OP 10-062, issued May 26, 1995.]

[Authority for this condition is also derived from 25 PA Code 129.95]

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) All submittals to the Department required by this permit shall be mailed to the following address.

Bureau of Air Quality
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335
814-332-6940 (phone)
814-332-6121 (fax)

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

The permittee shall notify the Department, within 7 days, of deviations from 25 Pa. Code §§ 123.1, 123.2, 123.31, & 123.41 [Conditions #002, #003, #004, & #005 above pertaining to fugitive emissions, malodors, & opacity] and the corrective action taken.

VI. WORK PRACTICE REQUIREMENTS.**# 018 [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) through (7) or (9) [Section C, Condition #002], above, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) 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.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) 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.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The procedure for evaluating and reporting the observation of any visible emissions exceeding the visible emission limitations shall be provided to any employee who is responsible for the operation of any source identified in this permit. Appropriate corrective action shall be taken to ensure compliance with the visible emission limitations.

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 020 [25 Pa. Code §129.14]****Open burning operations**

- (a) [Paragraph (a) of 25 Pa. Code §129.14 is not applicable to this facility.]
- (b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:
- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
 - (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
 - (3) The emissions interfere with the reasonable enjoyment of life or property.
 - (4) The emissions cause damage to vegetation or property.
 - (5) The emissions are or may be deleterious to human or animal health.
- (c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:
- (1) 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.
 - (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
 - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
 - (4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
 - (5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.
 - (6) A fire set solely for recreational or ceremonial purposes.
 - (7) A fire set solely for cooking food.
- (d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:
- (1) As used in this subsection the following terms shall have the following meanings:
 Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.
 Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.
 - (2) Not applicable
 - (3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:
 - (i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

**SECTION C. Site Level Requirements**

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.]

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: 35.000 MMBTU/HR

1.330 Tons/HR

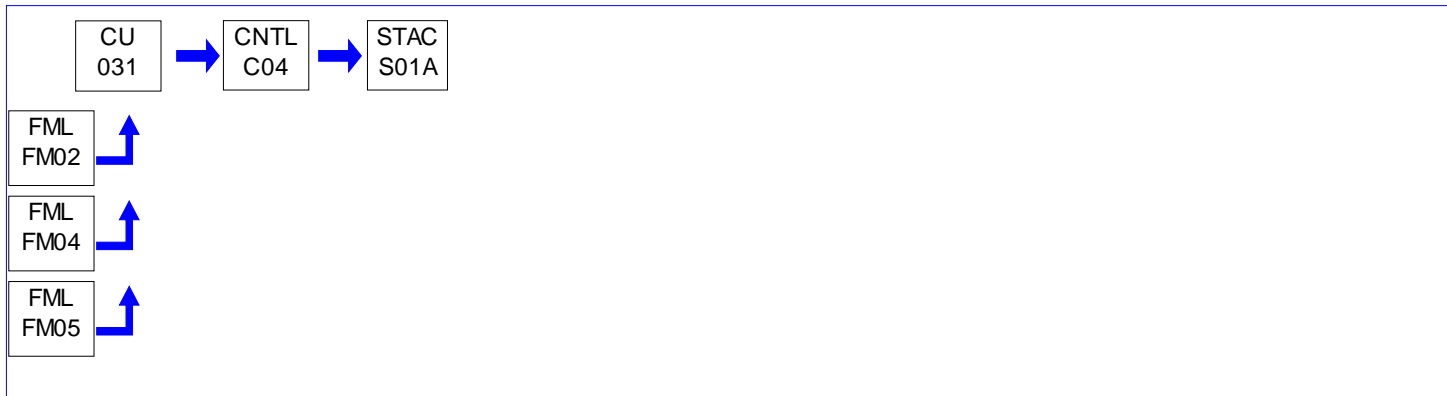
Bituminous

19,980.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: 1 - PA 10-062F BAGHOUSE

2 - 40 CFR 63 SUBPART JJJJJ

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

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

(2) Not applicable

(3) Not applicable

(b) Allowable emissions under subsection (a) are graphically indicated in Appendix A.

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 a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

The permittee may not permit the emission into the outside atmosphere of NO_x in excess of 15.0 lb/ton coal.

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

The Sulfur content of the coal used in the boiler shall be less than 1.6% by weight.

**SECTION D. Source Level Requirements****Throughput Restriction(s).****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-062F] [This condition replaces the condition derived from 25 PA Code 129.93.]

[PA: 10-062B Condition #1]

The permittee shall maintain a minimum gas firing rate of 20% of the total heat input during all times that the boiler is operating.

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

Bituminous coal usage, per rolling 12-month period, in Boiler 1 shall not exceed 10% of the maximum annual rated heat capacity of this boiler (1,161 tons per year on a dry basis or 1,278 tons per year as received).

[This condition replaces the previous plan approval limit of 7,000 tons per rolling 12-month period in Boilers 1 & 2 combined]

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

(a) The permittee shall either test each shipment of coal for the following or obtain a certification from the coal supplier stating the following coal characteristics:

1. Sulfur content (%S) using ASTM Method D4239 or equivalent
2. Ash content (%A) using ASTM Method D5142 or equivalent
3. Heat of combustion (btu/lb coal) using ASTM Method D3286 or equivalent

(b) The permittee shall perform a stack test, using the Department approved procedure for stack testing, 12-18 months prior to permit expiration. The stack test shall be performed with the source operating at no less than 90% of normal operating peak load. The stack test shall, at a minimum, test for the following to show compliance with their respective emission limitation:

1. Sulfur Oxide (SO_x) (lb/mmmbtu)
2. Nitrogen Oxide (NO_x) (lb/ton coal)

[Particulate matter testing conducted under Plan Approval 10-062F demonstrates compliance with the particulate matter emission limits for this source and subsequent testing is not needed based on a reasonable assurance of compliance with the limit based on the monitoring, recordkeeping, and work practice requirements for the fabric collector.]

(c) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all requirements specified in the most current version of the Department's Source Testing Manual.

(d) [25 Pa. Code § 139.53(a)(3)] At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(e) [25 Pa. Code § 139.53(a)(3)] Within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date

**SECTION D. Source Level Requirements**

of the on-site testing.

(f) [40 CFR Part 60.8(a)] A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(g) [25 Pa. Code Section 139.53(b)] A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.
5. Sulfur Oxide as SO₂ (lb/mmbtu)
7. Nitrogen Oxide as NO₂ (lb/ton coal)

(h) [25 Pa. Code § 139.3] All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(i) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(j) [25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3)] All submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, one electronic copy of the submittal shall be sent to both PSIMS Administration in Central Office and to the Regional Office AQ Program Manger. Electronic copies shall be sent to the following e-mail addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

III. MONITORING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a visible emission check, when operating, on an daily basis to show compliance with the visible emission limitation.

(b) The permittee shall notify the Department, within seven (7) days, if any daily visible emission check exceeds the limitation. The notification shall include:

1. The opacity reading
2. The reason for the exceedance

**SECTION D. Source Level Requirements**

3. The corrective action taken

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall install, maintain, and operate a continuous chart recorder (or equivalent as determined by the Department) to record the gas-firing rate for each of the boilers (#1 and #2). The chart recorder shall be calibrated on a schedule based upon the manufacturer's recommendations. The chart recorder shall be installed within 60 days of the issuance of the minor modification. The permittee shall record the following for each of the boilers based on an hourly average:

1. The heat input for the coal; and
2. The total heat input (coal plus gas)

[PA: 10-062B Condition #2]

(b) The hourly coal totals are based on the daily totals divided by the hours of operation. The natural gas is based on the hourly total used.

[PA: 10-062B Condition #3]

(c) The permittee shall maintain the records of the gas-firing rate, the heat input from the coal and the total heat input for a minimum of 5 years and the records shall be made available to the Department upon request.

(d) The permittee shall keep records in an on-site facility log whenever routine service is being performed on Boiler #1 and #2 during operation, i.e., ash removal, soot blowdown, etc. The log shall include the date and the time duration that the service is being performed.

(e) All on-site facility logs shall be kept for a period of five (5) years and made available to the Department upon request.

(f) The permittee shall maintain an on-site facility log of all scheduled preventative maintenance inspections performed of the source and control device. These records shall, at a minimum, contain the following:

1. The dates of the inspections;
2. Any problems or defects;
3. The actions taken to correct the problem or defects; and
4. Any routine maintenance performed

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

The permittee shall maintain records, of the following:

1. Hours of operation per boiler on a monthly basis
2. Tons of coal burned per boiler on a monthly basis
3. The daily visible emission check
4. The sulfur content (%S) of each coal shipment
5. The ash content (%A) of each coal shipment

**SECTION D. Source Level Requirements**

6. The heat of combustion (btu/lb coal) of each coal shipment

V. REPORTING REQUIREMENTS.**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Authorization from plan approval 10-062E, Condition #007]

(a) [This condition is no longer applicable]

[Authority for this condition is also derived from 25 PA Code 129.95.]

(b) The permittee shall submit to the Department, quarterly, the following:

1. Hours of operation for each boiler based on a consecutive 12-month period
2. Coal usage for each boiler based on a consecutive 12-month period

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

(a) The permittee shall notify the Department, within thirty (30) days, if the heat of combustion is below 13,200 btu/lb coal (dry basis). The notification shall include:

1. Sulfur content of coal shipment
2. Ash content of coal shipment
3. Weight of coal shipment
4. Heat of combustion of coal shipment
5. Calculation of PM (lb/mmbtu) emission from the equation in part (b).
6. Calculation of SO_x (lb/mmbtu) emission from the equation in part (c).

(b) The permittee shall notify the Department, within thirty (30) days, if the ash content of the coal exceeds 12% (dry basis). The notification shall include:

1. Ash content of coal shipment
2. Weight of coal shipment
3. Heat of combustion of coal shipment
4. Calculation of PM (lb/mmbtu) emission from the following equation:

$$PM \text{ (lb/mmbtu)} = (260 \times AC / HC) * (1 - BE/100)$$

where:

AC = ash content (%A)

HC = heat of combustion (btu/lb coal)

BE = baghouse efficiency of 95%

(c) The permittee shall notify the Department, within thirty (30) days, if the sulfur content of the coal exceeds 1.6% (dry basis). The notification shall include:

1. Sulfur content of coal shipment

**SECTION D. Source Level Requirements**

2. Weight of coal shipment
3. Heat of combustion of coal shipment
4. Calculation of SO_x (lb/mmmbtu) emission from the following equation:

$$\text{SO}_x (\text{lb/mmmbtu}) = 15,500 \times \text{SC} / \text{HC}$$
 where:
 SC = sulfur content (%S)
 HC = heat of combustion (btu/lb coal)

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

All coal fuel not stored in the coal hoppers at the boiler plant shall be stored in the coal storage building.

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

The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).



SECTION D. Source Level Requirements

Source ID: 032

Source Name: BOILER 2

Source Capacity/Throughput: 35.000 MMBTU/HR

1.330 Tons/HR

Bituminous

19,980.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: 1 - PA 10-062F BAGHOUSE
2 - 40 CFR 63 SUBPART JJJJJJ



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

- (1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.
- (2) Not applicable
- (3) Not applicable

(b) Allowable emissions under subsection (a) are graphically indicated in Appendix A.

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 a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not permit the emission into the outside atmosphere of NO_x in excess of 15.0 lb/ton coal.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Sulfur content of the coal used in the boiler shall be less than 1.6% by weight.

**SECTION D. Source Level Requirements****Throughput Restriction(s).****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-062F] [This condition replaces the condition derived from 25 PA Code 129.93.]

[PA: 10-062B Condition #1]

The permittee shall maintain a minimum gas firing rate of 20% of the total heat input during all times that the boiler is operating.

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

Bituminous coal usage, per rolling 12-month period, in Boiler 2 shall not exceed 10% of the maximum annual rated heat capacity of this boiler (1,161 tons per year on a dry basis or 1,278 tons per year as received).

[This condition replaces the previous plan approval limit of 7,000 tons per rolling 12-month period in Boilers 1 & 2 combined]

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

(a) The permittee shall either test each shipment of coal for the following or obtain a certification from the coal supplier stating the following coal characteristics:

1. Sulfur content (%S) using ASTM Method D4239 or equivalent
2. Ash content (%A) using ASTM Method D5142 or equivalent
3. Heat of combustion (btu/lb coal) using ASTM Method D3286 or equivalent

(b) The permittee shall perform a stack test, using the Department approved procedure for stack testing, 12-18 months prior to permit expiration. The stack test shall be performed with the source operating at no less than 90% of normal operating peak load. The stack test shall, at a minimum, test for the following to show compliance with their respective emission limitation:

1. Sulfur Oxide (SO_x) (lb/mmbtu)
2. Nitrogen Oxide (NO_x) (lb/ton coal)

[Particulate matter testing conducted under Plan Approval 10-062F demonstrates compliance with the particulate matter emission limits for this source and subsequent testing is not needed based on a reasonable assurance of compliance with the limit based on the monitoring, recordkeeping, and work practice requirements for the fabric collector.]

(c) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all requirements specified in the most current version of the Department's Source Testing Manual.

(d) [25 Pa. Code § 139.53(a)(3)] At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(e) [25 Pa. Code § 139.53(a)(3)] Within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

**SECTION D. Source Level Requirements**

(f) [40 CFR Part 60.8(a)] A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(g) [25 Pa. Code Section 139.53(b)] A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.
5. Sulfur Oxide as SO₂ (lb/mmbtu)
7. Nitrogen Oxide as NO₂ (lb/ton coal)

(h) [25 Pa. Code § 139.3] All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(i) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(j) [25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3)] All submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, one electronic copy of the submittal shall be sent to both PSIMS Administration in Central Office and to the Regional Office AQ Program Manger. Electronic copies shall be sent to the following e-mail addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

III. MONITORING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a visible emission check, when operating, on an daily basis to show compliance with the visible emission limitation.

(b) The permittee shall notify the Department, within seven (7) days, if any daily visible emission check exceeds the limitation. The notification shall include:

1. The opacity reading
2. The reason for the exceedance
3. The corrective action taken

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall install, maintain, and operate a continuous chart recorder (or equivalent as determined by the Department) to record the gas-firing rate for each of the boilers (#1 and #2). The chart recorder shall be calibrated on a schedule based upon the manufacturer's recommendations. The chart recorder shall be installed within 60 days of the issuance of the minor modification. The permittee shall record the following for each of the boilers based on an hourly average:

1. The heat input for the coal; and
2. The total heat input (coal plus gas)

[PA: 10-062B Condition #2]

(b) The hourly coal totals are based on the daily totals divided by the hours of operation. The natural gas is based on the hourly total used.

[PA: 10-062B Condition #3]

(c) The permittee shall maintain the records of the gas-firing rate, the heat input from the coal and the total heat input for a minimum of 5 years and the records shall be made available to the Department upon request.

(d) The permittee shall keep records in an on-site facility log whenever routine service is being performed on Boiler #1 and #2 during operation, i.e., ash removal, soot blowdown, etc. The log shall include the date and the time duration that the service is being performed.

(e) All on-site facility logs shall be kept for a period of five (5) years and made available to the Department upon request.

(f) The permittee shall maintain an on-site facility log of all scheduled preventative maintenance inspections performed of the source and control device. These records shall, at a minimum, contain the following:

1. The dates of the inspections;
2. Any problems or defects;
3. The actions taken to correct the problem or defects; and
4. Any routine maintenance performed

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

The permittee shall maintain records, of the following:

1. Hours of operation per boiler on a monthly basis
2. Tons of coal burned per boiler on a monthly basis
3. The daily visible emission check
4. The sulfur content (%S) of each coal shipment
5. The ash content (%A) of each coal shipment
6. The heat of combustion (btu/lb coal) of each coal shipment

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Authority for this condition is also derived from 25 PA Code 129.95.]

The permittee shall submit to the Department, quarterly, the following:

1. Hours of operation for each boiler based on a consecutive 12-month period
2. Coal usage for each boiler based on a consecutive 12-month period

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

(a) The permittee shall notify the Department, within thirty (30) days, if the heat of combustion is below 13,200 btu/lb coal (dry basis). The notification shall include:

1. Sulfur content of coal shipment
2. Ash content of coal shipment
3. Weight of coal shipment
4. Heat of combustion of coal shipment
5. Calculation of PM (lb/mmbtu) emission from the equation in part (b).
6. Calculation of SO_x (lb/mmbtu) emission from the equation in part (c).

(b) The permittee shall notify the Department, within thirty (30) days, if the ash content of the coal exceeds 12% (dry basis). The notification shall include:

1. Ash content of coal shipment
2. Weight of coal shipment
3. Heat of combustion of coal shipment
4. Calculation of PM (lb/mmbtu) emission from the following equation:

$$PM \text{ (lb/mmbtu)} = (260 \times AC / HC) * (1 - BE/100)$$

where:

- AC = ash content (%A)
- HC = heat of combustion (btu/lb coal)
- BE = baghouse efficiency of 95%

(c) The permittee shall notify the Department, within thirty (30) days, if the sulfur content of the coal exceeds 1.6% (dry basis). The notification shall include:

1. Sulfur content of coal shipment
2. Weight of coal shipment
3. Heat of combustion of coal shipment
4. Calculation of SO_x (lb/mmbtu) emission from the following equation:

**SECTION D. Source Level Requirements**

$$\text{SO}_x (\text{lb/mmBtu}) = 15,500 \times \text{SC} / \text{HC}$$

where:

SC = sulfur content (%S)

HC = heat of combustion (btu/lb coal)

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Authorization from Plan Approval 10-062E]

(a) [Condition no longer applicable]

(b) All coal fuel not stored in the coal hoppers at the boiler plant shall be stored in the coal storage building.

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

The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

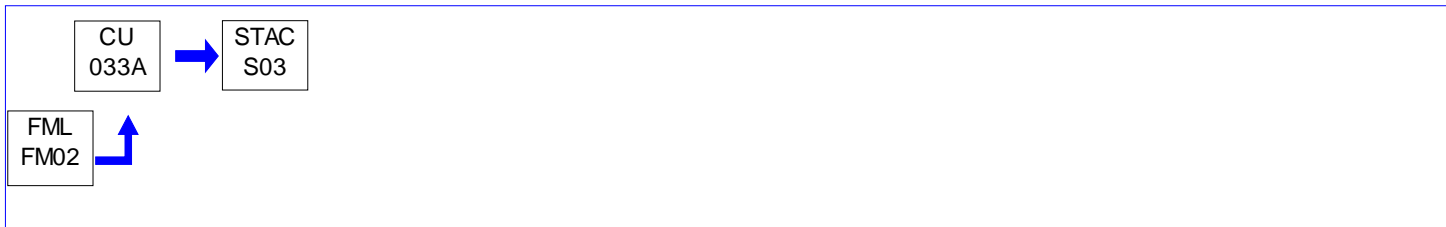
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

Source ID: 033A

Source Name: BOILER 3

Source Capacity/Throughput: 26,330.000 CF/HR 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 the rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

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 a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: SIP Approved SO₂ Limits 40 CFR 52.2020].

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The emissions from the source shall not exceed the following:

- (1) CO - 2.64 lb/hr
- (2) CO - 0.1 lb/mmBtu
- (3) CO - 11.6 tpy based on a 12-month rolling total
- (4) NO_x - 0.98 lb/hr
- (5) NO_x - 0.036 lb/mmbtu
- (6) NO_x - 4.29 tpy based on a 12-month rolling total

[From Plan Approval 10-062F. This condition replaces Plan Approval 10-062C, Condition #001]

Fuel Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall only burn natural gas in Boiler # 3. [Authorization from Plan Approval 10-062C, Condition #011]

**SECTION D. Source Level Requirements****Throughput Restriction(s).****# 005 [25 Pa. Code §127.12b]
Plan approval terms and conditions.**

(a) The maximum heat input of the boiler shall not exceed 26.38 MMBtu/hr (as stated in the application). [From Plan Approval 10-062C, Condition #001]

(b) Boiler #3 is limited to 231.1 MMCF of natural gas usage in any 12-month rolling period. [From Plan Approval 10-062C, Condition #002, as corrected in the June 2, 2010, issuance of the Title V permit.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]
Plan approval terms and conditions.**

The permittee shall monitor, on a continuous basis, the following:

- (1) The boiler outlet excess oxygen;
- (2) Natural gas consumption;
- (3) Boiler exhaust temperature;
- (4) Furnace draft;
- (5) Steam flow; and
- (6) Steam pressure

[From Plan Approval 10-062F. This condition replaces Plan Approval 10-062C, Condition #004.]

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

a) The permittee shall perform a visible emission check, when operating, on an daily basis to show compliance with the visible emission limitation.

b) The permittee shall notify the Department, within seven (7) days, if any daily visible emission check exceeds the limitation. The notification shall include:

1. The opacity reading
2. The reason for the exceedance
3. The corrective action taken

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.12b]
Plan approval terms and conditions.**

(a) The permittee shall keep a log of the natural gas usage whenever Boiler #3 is operating. The current monthly total of natural gas usage shall be added to the previous eleven (11) months to assure compliance with the natural gas usage limit. [Authorization from Plan Approval 10-062C, Condition #005]

**SECTION D. Source Level Requirements**

(b) The permittee shall maintain an on-site facility log of all schedule preventative maintenance inspections of the source. These records shall, at a minimum, contain the following:

- (1) The date of inspections;
- (2) Any problems or defects;
- (3) Action taken to correct the problem or defect; and
- (4) Any routine maintenance performed

[Authorization from Plan Approval 10-062C, Condition #006]

(c) The permittee shall keep a daily log of boiler outlet excess oxygen to assure compliance with the 10% limit. [Authorization from Plan Approval 10-062C, Condition #007]

(d) The permittee shall keep a monthly log of NO_x and CO emissions, respectively, from Boiler # 3. The monthly totals will be added to the previous eleven (11) months to assure compliance with emission restrictions. The emission rates for CO and NO_x may come from the most recent Stack Test Results. [Authorization from Plan Approval 10-062C, Condition #008]

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

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

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2)-(4) Not applicable.

(b)-(f) Not applicable.

(g)(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO₂ standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) Not applicable.

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of five years following the date of such record.

(j) Not applicable.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

This source is subject to Subpart Dc of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR § 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director; Air, Toxics and Radiation Division
US EPA, Region III;
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The boiler outlet excess oxygen shall not exceed 10 percent. [Authorization from Plan Approval 10-062C, Condition #012.]

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

The source shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units****Applicability and delegation of authority.**

(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

(c) Steam generating units that meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO₂) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in §60.41c.

(d) Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under §60.14.

(e)-(g) Not applicable.

**SECTION D. Source Level Requirements**

Source ID: 034A

Source Name: RETROFITTED BOILER 4

Source Capacity/Throughput: 35.500 MMBTU/HR

1.350 Tons/HR

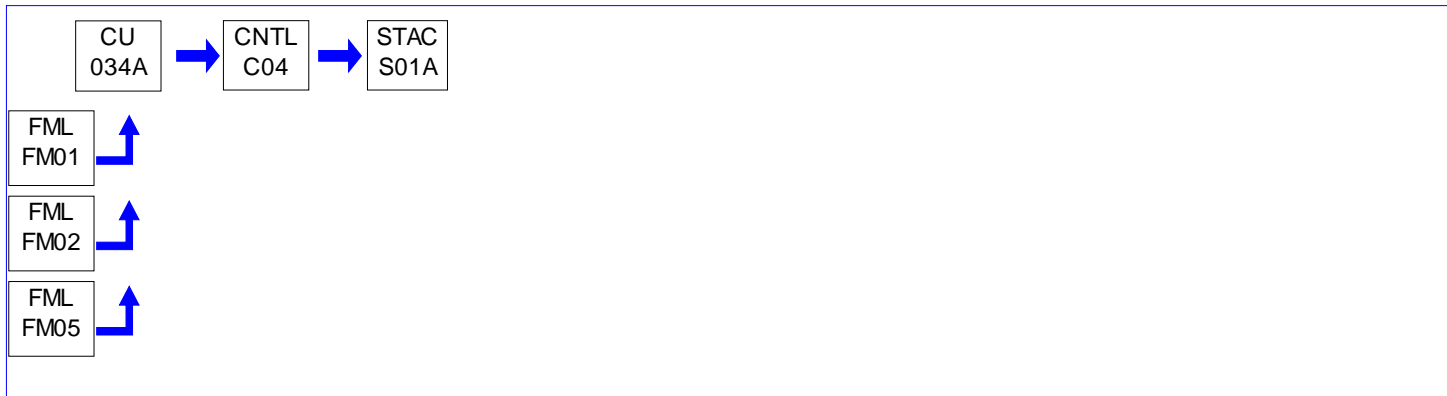
Bituminous

19,980.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: 1 - PA 10-062F BAGHOUSE

2 - 40 CFR 63 SUBPART JJJJJJ

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Authorization from Plan Approval 10-062E, Condition #011]

(a) The opacity from the common stack of Boilers 1, 2, & 4, shall comply with the visible emissions limitations contained in 25 Pa Code 123.41 at all times.

[Authorization from Plan Approval 10-062E, Condition #001]

(b) The emissions from Boiler #4 shall not exceed the following:

Pollutant	Emission Rate (#/MMBtu)	Emission Rate (TPY), calculated as 12-month rolling sum
PM	0.4	36.1
NO _x	0.57	51.5

[Compliance with the PM requirement specified in this streamlined permit condition assures compliance with the provisions in 25 Pa Code 123.11]

Fuel Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Authorization from Plan Approval 10-062E, Condition #002]

The following limitations are taken directly from the facility's application on a dry basis.

1. The Ash content of the coal used in Boiler #4 shall not exceed 12% by weight.

2. The Sulfur content of the coal used in Boiler #4 shall be less than 1.6% by weight.

[This condition replaces the original plan approval limit of 2.75% by weight]

**SECTION D. Source Level Requirements**

3. The Btu content of the coal shall be at least 13,200 Btu/lb.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Authorization from Plan Approval 10-062D, Condition #008 and derived from 25 PA Code 129.93]

The maximum heat input of Boiler #4 shall not exceed 35.5 MMBtu/hr (as stated in the application).

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

Bituminous coal usage, per rolling 12-month period, in Boiler 4 shall not exceed 10% of the maximum annual rated heat capacity of this boiler (1,178 tons per year on a dry basis or 1,296 tons per year as received).

[This condition replaces the previous plan approval limit of 4,000 tons per rolling 12-month period in Boiler 4]

II. TESTING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall either test each shipment of coal for the following or obtain a certification from the coal supplier stating the following coal characteristics:

1. Sulfur content (%S) using ASTM Method D4239 or equivalent
2. Ash content (%A) using ASTM Method D5142 or equivalent
3. Heat of combustion (btu/lb coal) using ASTM Method D3286 or equivalent

(b) The permittee shall perform a stack test, using the Department approved procedure for stack testing, 12-18 months prior to permit expiration. The stack test shall be performed with the source operating at no less than 90% of normal operating peak load. The stack test shall, at a minimum, test for the following to show compliance with their respective emission limitation:

1. Sulfur Oxide (SO_x) (lb/mmmbtu)
2. Nitrogen Oxide (NO_x) (lb/ton coal)

[Particulate matter testing conducted under Plan Approval 10-062F demonstrates compliance with the particulate matter emission limits for this source and subsequent testing is not needed based on a reasonable assurance of compliance with the limit based on the monitoring, recordkeeping, and work practice requirements for the fabric collector.]

(c) [25 Pa. Code § 139.53(a)(3)] At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all requirements specified in the most current version of the Department's Source Testing Manual.

(d) [25 Pa. Code § 139.53(a)(3)] At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(e) [25 Pa. Code § 139.53(a)(3)] Within 15 calendar days after completion of the on-site testing portion of an emission test

**SECTION D. Source Level Requirements**

program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(f) [40 CFR Part 60.8(a)] A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(g) [25 Pa. Code Section 139.53(b)] A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.
5. Sulfur Oxide as SO₂ (lb/mmBtu)
7. Nitrogen Oxide as NO₂ (lb/ton coal)

(h) [25 Pa. Code § 139.3] All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(i) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(j) [25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3)] All submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp> when it becomes available. If internet submittal can not be accomplished, one electronic copy of the submittal shall be sent to both PSIMS Administration in Central Office and to the Regional Office AQ Program Manger. Electronic copies shall be sent to the following e-mail addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 10-062F]

(a) The permittee shall monitor, on a continuous basis, the following:

1. Flue gas oxygen;
2. Natural gas usage;
3. Exhaust boiler temperature;

**SECTION D. Source Level Requirements**

4. Furnace draft;
5. Steam flow; and
6. Steam pressure

[Plan Approval 10-062F]

(b) The permittee shall monitor the following:

1. Coal consumption on an as loaded basis

[Plan Approval 10-062F]

(c) The permittee shall monitor the opacity of the common stack at least once day during daylight hours. The person monitoring the opacity shall be a certified Method 9 observer, but may use Method 22 for the monitoring. The university shall have the option to install a Continuous Opacity Monitor, which shall be certified by the Department.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Authorization from Plan Approval 10-062E, Condition #006]

(a) The permittee shall maintain an on-site facility log of all scheduled preventative maintenance inspections performed of the source and control device. These records shall, at a minimum, contain the following:

1. The dates of the inspections;
2. Any problems or defects;
3. The actions taken to correct the problem or defects; and
4. Any routine maintenance performed.

[Authorization from Plan Approval 10-062D, Condition # 021]

(b) The permittee shall keep records in an on-site facility log whenever routine service is being performed on Boiler #4 during operation, i.e., ash removal, soot blowdown, etc. The log shall include the date and the time duration that the service is being performed.

[Authorization from Plan Approval 10-062D, Condition #015]

(c) The permittee shall keep a log of coal usage whenever Boiler #4 is operating. The current monthly total of coal usage shall be added to the previous eleven (11) months to assure compliance with coal restriction.

[Authorization from Plan Approval 10-062D, Condition #017]

(d) The permittee shall use data from the most recent stack test in determining NOx emissions. The facility shall keep a monthly log of NOx emissions from Boiler #4. The monthly total will be added to the previous eleven and two months. This number shall be added to the emissions from all other NOx emitting sources to assure compliance with the facility-wide Synthetic Minor RACT limitation of 99 tpy and 25 tons per quarter based on a 12-month rolling and a 3-month rolling totals respectively.

(e) The permittee shall maintain all records in an on-site facility log.

[Plan Approval 10-062F]

(f) The permittee shall record the following daily:

1. The visible emission checks
2. Coal consumption on an as loaded basis

**SECTION D. Source Level Requirements**

[Plan Approval 10-062F]

(g) The permittee shall record the following on an hourly basis:

1. Flue gas oxygen;
2. Natural gas consumption;
3. Exhaust boiler temperature;
4. Furnace draft;
5. Steam flow; and
6. Steam pressure

[Plan Approval 10-062D, Condition #005]

(h) The permittee shall record the following based on an hourly average:

1. The heat input for coal to Boiler #4
2. The total heat input (coal plus gas) to Boiler #4

The hourly coal totals are based on the daily totals divided by the hours of operation. The natural gas is based on the hourly total used.

[Plan Approval 10-062D, Condition #022]

(i) The permittee shall record the following on a monthly basis:

1. Hours of operation of Boiler #4
2. Amount of coal burned in Boiler #4

[Plan Approval 10-062D, Condition #022]

(j) The permittee shall record the following for each coal shipment:

1. The sulfur content (%S)
2. The ash content (%A)
3. The heat of combustion (btu/lb coal)

(k) All on-site facility logs shall be kept for a period of five (5) years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall notify the Department, within seven (7) days, if any daily visible emission checks exceeds the limitation. The notification shall include:

1. The opacity reading
2. The reason for the exceedance; and
3. The corrective action taken

**SECTION D. Source Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall notify the Department, within thirty (30) days, if the heat of combustion is below 13,200 btu/lb coal (dry basis). The notification shall include:

1. Sulfur content of coal shipment
2. Ash content of coal shipment
3. Weight of coal shipment
4. Heat of combustion of coal shipment
5. Calculation of PM (lb/mmbtu) emission from the equation in part (b).
6. Calculation of SO_x (lb/mmbtu) emission from the equation in part (c).

(b) The permittee shall notify the Department, within thirty (30) days, if the ash content of the coal exceeds 12% (dry basis). The notification shall include:

1. Ash content of coal shipment
2. Weight of coal shipment
3. Heat of combustion of coal shipment
4. Calculation of PM (lb/mmbtu) emission from the following equation:

$$PM \text{ (lb/mmbtu)} = (260 \times AC / HC) * (1 - BE/100)$$

where:

AC = ash content (%A)

HC = heat of combustion (btu/lb coal)

BE = baghouse efficiency of 95%

(c) The permittee shall notify the Department, within thirty (30) days, if the sulfur content of the coal exceeds 1.6% (dry basis). The notification shall include:

1. Sulfur content of coal shipment
2. Weight of coal shipment
3. Heat of combustion of coal shipment
4. Calculation of SO_x (lb/mmbtu) emission from the following equation:

$$SO_x \text{ (lb/mmbtu)} = 19,000 \times SC / HC$$

where:

SC = sulfur content (%S)

HC = heat of combustion (btu/lb coal)

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Authorization from Plan Approval 10-062E]

**SECTION D. Source Level Requirements**

(a) The source and air pollution control device shall be maintained and operated in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

(b) All coal fuel not stored in the coal hoppers at the boiler plant shall be stored in the coal storage building.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

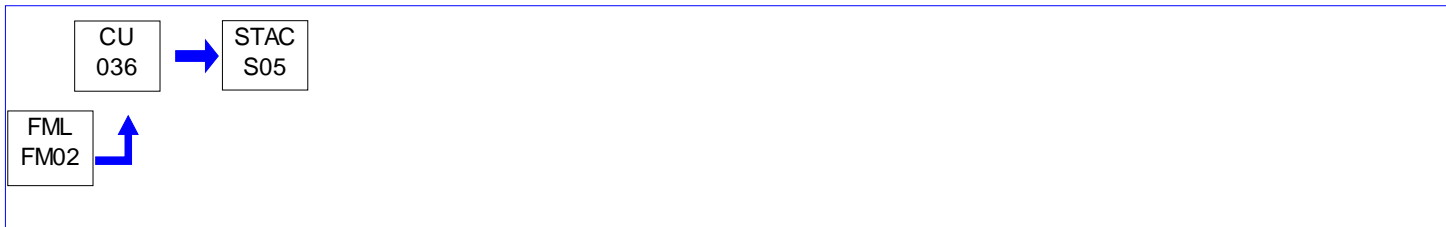
Source ID: 036

Source Name: BOILER 5

Source Capacity/Throughput: 21.000 MMBTU/HR

21,000.000 CF/HR

Natural Gas

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

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

(2) Not applicable

(3) Not applicable

(b) Allowable emissions under subsection (a) are graphically indicated in Appendix A.

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 a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

003 [25 Pa. Code §127.601]**Scope.**

(a) NO_x emissions from the source shall be less than or equal to 30 ppmv on a dry basis at 3% O₂.

(b) CO emissions from the source shall be less than or equal to 300 ppmv on a dry basis at 3% O₂.

[From GP1-10-062B authorized October 20, 2017]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [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**

(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(2)-(4) Not applicable.

(b) - (f) Not Applicable.

(g)

(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in § 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in § 60.42C to use fuel certification to demonstrate compliance with the SO₂ standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

(h) Not applicable

(i) [Condition streamlined with the requirement in Section B requiring records be kept for 5 years]

(j) Not applicable

[72 FR 32759, June 13, 2007, as amended at 74 FR 5091, Jan. 28, 2009]

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.601]

Scope.

The permittee shall notify the Department in writing, within 24 hours of the discovery during a business day or by 5:00 pm on the first business day after a weekend or holiday, of any malfunction of the combustion unit which results in, or may result in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III (relating to air resources).

[From GP1-10-062B authorized October 20, 2017]

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions**Address.**

This source is subject to Subpart Dc of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR § 60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director; Air, Toxics and Radiation Division
US EPA, Region III;
Mail Code 3AP00

**SECTION D. Source Level Requirements**

1650 Arch Street
Philadelphia, PA 19103-2029

VI. WORK PRACTICE REQUIREMENTS.**# 007 [25 Pa. Code §127.601]****Scope.**

The combustion unit and any associated air cleaning devices shall be:

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

[From GP1-10-062B authorized October 20, 2017]

008 [25 Pa. Code §127.601]**Scope.**

The permittee shall install and maintain the necessary meter(s) to determine and to record amount of fuel usage.

[From GP1-10-062B authorized October 20, 2017]

VII. ADDITIONAL REQUIREMENTS.**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units****Applicability and delegation of authority.**

(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

(c) Steam generating units that meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO₂) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in §60.41c.

(d) Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under §60.14.

(e)-(g) Not applicable.

[72 FR 32759, June 13, 2007, as amended at 74 FR 5090, Jan. 28, 2009; 77 FR 9461, Feb. 16, 2012]



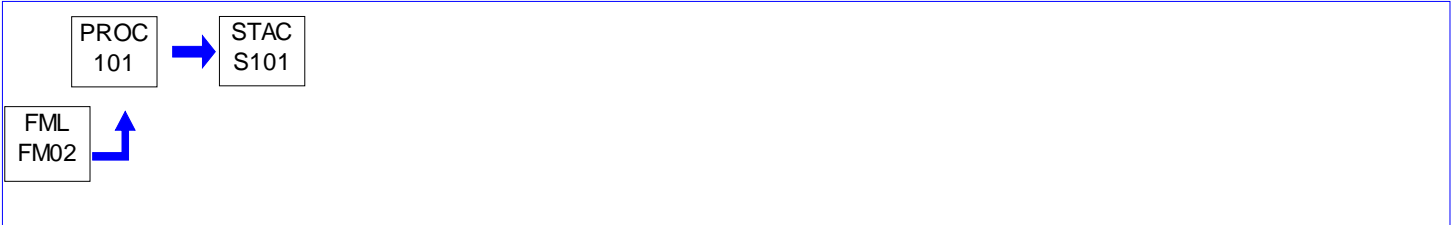
SECTION D. Source Level Requirements

Source ID: 101

Source Name: EMERGENCY ENGINES BUILT PRIOR TO 1/1/2009

Source Capacity/Throughput: 3,000.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 3 - ALL NATURAL GAS FUELED ENGINES



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

Source ID: 104

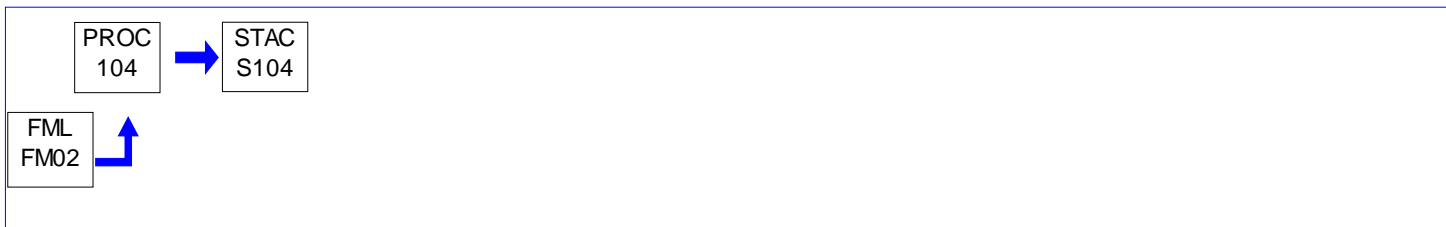
Source Name: EMERGENCY ENGINES BUILT AFTER 1/1/2009

Source Capacity/Throughput:

1.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: 3 - ALL NATURAL GAS FUELED ENGINES
4 - NSPS FOR ENGINES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

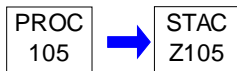
Source ID: 105

Source Name: PARTS WASHER

Source Capacity/Throughput:

1.000 Gal/HR

STODDARD SOLVENT

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a)(1) through (a)(4) and (a)(7) are found under Work Practice requirements for this source.

(5) On and after December 22, 2002, 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).

(6) A person who operates a cold cleaning machine shall maintain for at least 5 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

(a) Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

**SECTION D. Source Level Requirements**

- (1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.
 - (2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:
 - (i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). 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.
 - (3) 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.
 - (4) After December 22, 2002, 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.
 - (5) and (6) are found under Recordkeeping requirements for this source.
 - (7) Paragraph (4) does not apply:
 - (i) To cold cleaning machines used in extreme cleaning service.
 - (ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.
 - (iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.
- (b), (c), (d), and (e) are not applicable.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: 1 - PA 10-062F BAGHOUSE

Group Description: Requirements from plan approval 10-062F for Boilers 1, 2, & 4

Sources included in this group

ID	Name
031	BOILER 1
032	BOILER 2
034A	RETROFITTED BOILER 4

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-062F]

(a) A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the baghouse.

[Plan Approval 10-062F]

(b) A thermocouple or equivalent shall be maintained and operated to monitor the inlet temperature to the baghouse.

[Plan Approval 10-062F]

(c) A Tribo guard bag failure indicator system or equivalent shall be maintained and operated to monitor bag failure.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 10-062F]

(a) The permittee shall maintain a record of all preventive maintenance inspections of the control device. The records of the maintenance inspections shall include, at a minimum, the dates of the inspections, the name of the person performing the inspection, any problems or defects identified, any actions taken to correct the problems or defects, and any routine maintenance performed.

[Plan Approval 10-062F]

(b) The permittee shall record the following operational data from the baghouse (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

1. Pressure differential - daily (defined as once per calendar day)
2. Inlet temperature to baghouse - continuously (defined as once every 15 minutes)
3. Tribo guard bag failure indicator system - daily that the system is operational (defined as once per calendar day)

[Plan Approval 10-062F]

(c) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

[Plan Approval 10-062F]

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

**SECTION E. Source Group Restrictions.**

[Plan Approval 10-062F]

(e) The permittee shall record all inspections, repairs, and maintenance performed on the monitoring equipment.

[Plan Approval 10-062F]

(f) All records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 10-062F]

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and probable causes, every six (6) months.

[Plan Approval 10-062F]

(b) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, probable causes and corrective actions taken, every six (6) months.

[Plan Approval 10-062F]

(c) The permittee shall report the following information to the Department every six (6) months:

1. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
2. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
3. If applicable, a description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 10-062F]

(a) The permittee shall perform a daily operational inspection of the control device.

[Plan Approval 10-062F]

(b) All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

[Plan Approval 10-062F]

(c) The permittee shall operate the control device at all times that the source is in operation.

[Plan Approval 10-062F]

(d) The permittee shall maintain and operate the source and control device in accordance with the manufacturer's specifications and in accordance with good air pollution control practices.

[Plan Approval 10-062F]

(e) The permittee shall adhere to the approved indicator range for the baghouse so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop of 0.5" to 8.0" wg as specified by the manufacturer

**SECTION E. Source Group Restrictions.**

2. Inlet temperature of less than 475F

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range or new maximum inlet temperature.

[Plan Approval 10-062F]

(f) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the control devices.

1. The permittee shall install detectors or sensors at a Department approved location for obtaining data that is representative of the monitored indicator.

(a) The pressure gauges are to be positioned in locations for obtaining data that is representative of the monitored indicator. The permittee shall check the pressure gauges and recalibrate semi-annually, or whenever the range of a sensor is exceeded, or a new sensor is installed.

(b) The thermocouples are to be positioned in locations for obtaining data that is representative of the monitored indicator and are to be shielded from direct flame exposure. The permittee shall check the position of the thermocouples and recalibrate semi-annually, or whenever the range of a sensor is exceeded, or a new sensor is installed.

2. The permittee shall develop verification procedures to confirm that the operational status of the monitoring devices is within the expected range. (Operational status pertains to the accuracy of the measured values. The permittee may compare the data with any Department approved standardized data at a specific time interval.)

3. For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment, according to the manufacturer's recommended procedures. (For example, the thermocouple shall be checked for accuracy (+/- 20°F) each calendar quarter.)

[Plan Approval 10-062F]

(g) The permittee shall maintain all monitoring equipment and stock spare parts as necessary for routine onsite repairs.

[Plan Approval 10-062F]

(h) The permittee shall ensure that at least 90% of the approved monitoring data has been properly and accurately collected.

[Plan Approval 10-062F]

(i) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after startup of source.

[Plan Approval 10-062F]

(j) The permittee shall perform monthly external inspections of the control system and annual internal inspections of the baghouse. An excursion is defined as a failure to perform and record the monthly external or annual internal inspections.

[Plan Approval 10-062F]

(k) Commencement of operation. The owner or operator shall conduct the monitoring required under this part upon issuance of a part 70 or 71 permit that includes such monitoring.

[Plan Approval 10-062F]

(l) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide

**SECTION E. Source Group Restrictions.**

valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

[Plan Approval 10-062F]

(m) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

[Plan Approval 10-062F]

(n) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 10-062F]

(a) [Condition (a) pertained to the submittal of information under the plan approval shake-out which was already completed and therefore omitted from the permit.]

[Plan Approval 10-062F]

(b) [Condition (b) contained the requirements for demonstration of the plan approval leading up to the amendment of the permit which have been met and were therefore omitted from the permit.]

[Plan Approval 10-062F]

(c) The permittee shall develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable if any of the following occur:

1. For properly and accurately collected data, accumulated excursions exceed two percent (2%) of the data.
2. Six (6) excursions occur in a six (6) month reporting period.
3. The Department determines after review of all reported information that the permittee has not responded acceptable to an excursion.

[Plan Approval 10-062F]

(d) The QIP plan should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.

**SECTION E. Source Group Restrictions.**

[Plan Approval 10-062F]

(e) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to inspections, repairs, and maintenance performed on the monitoring equipment.

[Plan Approval 10-062F]

(f) The QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP and provide the Department with a copy, to include procedures for conducting more frequent, or improved, monitoring in conjunction with one or more of the following:

1. Improved preventive maintenance practices
2. Process operation changes
3. Appropriate improvements to the control methods
4. Other steps appropriate to correct performance.

[Plan Approval 10-062F]

(g) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

1. Address the cause of the control device performance problem.
2. Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

[Plan Approval 10-062F]

(h) Implementation of a QIP, shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

**SECTION E. Source Group Restrictions.**

Group Name: 2 - 40 CFR 63 SUBPART JJJJJJ

Group Description: Requirements from 40 CFR Part 63 Subpart JJJJJJ - Area Source Boiler MACT.

Sources included in this group

ID	Name
031	BOILER 1
032	BOILER 2
034A	RETROFITTED BOILER 4

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]****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?**

[Paragraphs (a) through (b) and (e) through (g) of the regulation are printed under the Reporting Requirements in this section of permit.]

(c) You must maintain the records specified in paragraphs (c)(1) through (7) of this section.

(1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by §63.11214 and §63.11223 as specified in paragraphs (c)(2)(i) through (vi) of this section.

(i) 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.

(ii) - (v) Not applicable.

(vi) For each boiler that meets the definition of limited-use boiler, you must keep a copy of the federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent and records of fuel use for the days the boiler is operating.

(3) Not applicable.

(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

**SECTION E. Source Group Restrictions.**

(6) - (7) Not applicable.

(d) Your records must be in a form suitable and readily available for expeditious review. You must keep each record for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7511, Feb. 1, 2013; 81 FR 63127, Sept. 14, 2016]

V. REPORTING REQUIREMENTS.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

(a) [The applicable notification requirements of paragraph (a) have already been met.]

(1) Not Applicable.

(2) No longer applicable. [The Initial Notification was submitted to the EPA on September 12, 2011; a copy is on file with the Department.]

(3) Not Applicable.

(4) No longer applicable. [The Notification of Compliance Status is a one-time requirement that has already been met. The permittee submitted the notification using the EPA's CEDRI as required by this subsection. A notification of the submittal was emailed to the Department on July 2, 2015.]

(5) Not Applicable.

(b) You must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (b)(1) through (4) of this section. You must submit the report by March 15 if you had any instance described by paragraph (b)(3) of this section. For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to § 63.11223(a) and not subject to emission limits or operating limits, you may prepare only a biennial or 5-year compliance report as specified in paragraphs (b)(1) and (2) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with the official's name, title, phone number, email 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 this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility complies with the requirements in §63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

(ii) - (iii) Not Applicable.

(3) 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.

(4) Not applicable.

(c) - (d) [See Record Keeping Requirements]

(e) - (f) Not applicable.

**SECTION E. Source Group Restrictions.**

(g) If you have switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJ, in the boiler becoming subject to subpart JJJJJ, or in the boiler switching out of subpart JJJJJ due to a change to 100 percent natural gas, or you have taken a permit limit that resulted in you being subject to subpart JJJJJ, you must provide notice of the date upon which you switched fuels, made the physical change, or took a permit limit within 30 days of the change. The notification must identify:

(1) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice.

(2) The date upon which the fuel switch, physical change, or permit limit occurred.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7511, Feb. 1, 2013; 81 FR 63127, Sept. 14, 2016]]

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]**Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

(a) All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted to the appropriate Regional Office of the U.S. Environmental Protection Agency indicated in the following list of EPA Regional Offices. [Non-Pennsylvania Regions omitted from this permit section.]

EPA Region III Director
Air Protection Division
1650 Arch Street
Philadelphia, PA 19103.

(b) All information required to be submitted to the Administrator under this part also shall be submitted to the appropriate State agency of any State to which authority has been delegated under section 112(l) of the Act. [Non-applicable text is omitted from this paragraph.]

[Address of State agency for submittals follows.]

Bureau of Air Quality
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335

(c) If any State requires a submittal that contains all the information required in an application, notification, request, report, statement, or other communication required in this part, an owner or operator may send the appropriate Regional Office of the EPA a copy of that submittal to satisfy the requirements of this part for that communication.

[59 FR 12430, Mar. 16, 1994, as amended at 63 FR 66061, Dec. 1, 1998; 67 FR 4184, Jan. 29, 2002; 68 FR 32601, May 30, 2003; 68 FR 35792, June 17, 2003; 73 FR 24871, May 6, 2008; 75 FR 69532, Nov. 12, 2010; 76 FR 49673, Aug. 11, 2011]

VI. WORK PRACTICE REQUIREMENTS.**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]****SUBPART JJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

(a) Not Applicable.

(b) You must comply with each work practice standard, emission reduction measure, and management practice specified in Table 2 to this subpart that applies to your boiler.

[Excerpt from Table 2]

Item 10 - Existing limited-use boilers shall conduct an initial tune-up as specified in §63.11214, and conduct a tune-up of the boiler every 5 years as specified in § 63.11223. [See below for tune-up dates.]



SECTION E. Source Group Restrictions.

(c) Not Applicable.

(d) These standards apply at all times the affected boiler is operating, except during periods of startup and shutdown as defined in § 63.11237, during which time you must comply only with Table 2 to this subpart.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

Note:

Initial tune-ups on the Slippery Rock University boilers were conducted on the following dates. The 5-year tune-up is due according to §63.11223(f) as follows.

Boiler 1 (Source 031): Initial tune-up conducted on Dec. 4, 2014. Subsequent tune-up on January 15, 2020. Next tune-up due no later than Feb. 15, 2025.

Boiler 2 (Source 032): Initial tune-up conducted on Feb. 4, 2015. Subsequent tune-up on March 11, 2020. Next tune-up due no later than April 11, 2025.

Boiler 4 (Source 034A): Initial tune-up conducted on Jan. 15, 2015. Subsequent tune-up on May 28, 2020. Next tune-up due no later than June 28, 2025.

005 [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?

(a) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) - (c) Not Applicable.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11210]

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

What are my initial compliance requirements and by what date must I conduct them?

(a) - (b) Not Applicable.

(c) For existing affected boilers that have applicable work practice standards, management practices, or emission reduction measures, you must demonstrate initial compliance no later than the compliance date that is specified in § 63.11196 and according to the applicable provisions in § 63.7(a)(2), except as provided in paragraph (j) of this section.

(d) - (g) Not Applicable.

(h) For affected boilers that ceased burning solid waste consistent with § 63.11196(d) and for which your initial compliance date has passed, you must demonstrate compliance within 60 days of the effective date of the waste-to-fuel switch as specified in § 60.2145(a)(2) and (3) of subpart CCCC or § 60.2710(a)(2) and (3) of subpart DDDD. If you have not conducted your compliance demonstration for this subpart within the previous 12 months, you must complete all compliance demonstrations for this subpart before you commence or recommence combustion of solid waste.

(i) For affected boilers that switch fuels or make a physical change to the boiler that results in the applicability of a different subcategory within subpart JJJJJJ or the boiler becoming subject to subpart JJJJJJ, you must demonstrate compliance

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within 180 days of the effective date of the fuel switch or the physical change. Notification of such changes must be submitted according to § 63.11225(g).

(j) - (k) Not Applicable.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7507, Feb. 1, 2013; 81 FR 63125, Sept. 14, 2016]

007 [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?

(a) For affected sources subject to the work practice standard or the management practices of a tune-up, you must conduct a performance tune-up according to paragraph (b) of this section and keep records as required in §63.11225(c) to demonstrate continuous compliance. You must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

(b) Except as specified in paragraphs (c) through (f) of this section, you must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (7) of this section. [Non-applicable language from the regulation is omitted from this paragraph.]

[These sources are Limited-Use boilers, refer to paragraph (f) for frequency and due dates of tune-ups.]

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).

(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 (you may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).

(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

(5) Measure the concentrations in the effluent stream of CO 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). Measurements may be taken using a portable CO analyzer.

(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(6)(i) through (iii) of this section.

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up 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 tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

(c) - (e) Not Applicable.

(f) Limited-use boilers must conduct a tune-up every 5 years as specified in paragraphs (b)(1) through (7) of this section.

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Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed limited-use boiler, the first 5-year tune-up must be no later than 61 months after the initial startup. You may delay the burner inspection specified in paragraph (b)(1) of this section and inspection of the system controlling the air-to-fuel ratio specified in paragraph (b)(3) of this section until the next scheduled unit shutdown, but you must inspect each burner and system controlling the air-to-fuel ratio at least once every 72 months. Limited-use boilers are not subject to the emission limits in Table 1 to this subpart, the energy assessment requirements in Table 2 to this subpart, or the operating limits in Table 3 to this subpart.

(g) Not applicable.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7509, Feb. 1, 2013; 81 FR 63127, Sept. 14, 2016]

VII. ADDITIONAL REQUIREMENTS.**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11194]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What is the affected source of this subpart?**

(a) This subpart applies to each new, reconstructed, or existing affected source as defined in paragraphs (a)(1) and (2) of this section.

(1) The affected source is the collection of all existing industrial, commercial, and institutional boilers within a subcategory, as listed in § 63.11200 and defined in § 63.11237, located at an area source.

(2) Not Applicable.

(b) An affected source is an existing source if you commenced construction or reconstruction of the affected source on or before June 4, 2010.

(c) - (d) Not Applicable.

(e) An existing dual-fuel fired boiler meeting the definition of gas-fired boiler, as defined in § 63.11237, that meets the applicability requirements of this subpart after June 4, 2010 due to a fuel switch from gaseous fuel to solid fossil fuel, biomass, or liquid fuel is considered to be an existing source under this subpart as long as the boiler was designed to accommodate the alternate fuel.

(f) Not Applicable.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11196]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my compliance dates?**

(a) If you own or operate an existing affected boiler, you must achieve compliance with the applicable provisions in this subpart as specified in paragraphs (a)(1) through (3) of this section.

(1) If the existing affected boiler is subject to a work practice or management practice standard of a tune-up, you must achieve compliance with the work practice or management standard no later than March 21, 2015. [The original compliance date for this MACT was extended by 1 year to allow the facility to establish a Federally Enforceable condition of "Limited-Use" and to conduct the initial tune-up of the boilers.]

[The initial tune-ups of the boilers were conducted as follows. Boiler 1: 12/4/2014; Boiler 2: 2/4/2015; Boiler 4: 1/15/2015.]

(2) - (3) Not Applicable.

(b) - (d) Not Applicable.

**SECTION E. Source Group Restrictions.**

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7506, Feb. 1, 2013]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11200]

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

What are the subcategories of boilers?

The subcategories of boilers, as defined in §63.11237 are:

(a) - (f) Not applicable.

(g) Limited-use boilers.

[78 FR 7506, Feb. 1, 2013]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11235]

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

What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you.

[Refer to regulation for Table 8 to 40 CFR Part 63 Subpart JJJJJJ.]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11237]

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

What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act, in § 63.2 (the General Provisions), and in this section and can be found in 40 CFR §63.11237.

[Selected definitions are printed here.]

Deviation

- (1) Means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:
- (i) Fails to meet any applicable requirement or obligation established by this subpart including, but not limited to, any emission limit, operating limit, or work practice standard; or
 - (ii) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit.
- (2) A deviation is not always a violation.

Limited-use boiler means any boiler that burns any amount of solid or liquid fuels and has a federally enforceable average annual capacity factor of no more than 10 percent.

[76 FR 15591, Mar. 21, 2011, as amended at 78 FR 7513, Feb. 1, 2013; 81 FR 63128, Sept. 14, 2016]

**SECTION E. Source Group Restrictions.**

Group Name: 3 - ALL NATURAL GAS FUELED ENGINES

Group Description: Operating permit conditions for all natural gas fired emergency generators

Sources included in this group

ID	Name
101	EMERGENCY ENGINES BUILT PRIOR TO 1/1/2009
104	EMERGENCY ENGINES BUILT AFTER 1/1/2009

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 any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

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

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

The permittee shall limit the hours of operation of Each stationary internal combustion engine to 250 hours in any consecutive 12-month period.

[Compliance with this operating permit restriction will assure that all NO_x emissions from all exempt engines on site, combined, remain below the thresholds for plan approval exemption.]

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 maintain a non-resettable hour meter on each emergency stationary engine.

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

(a) The owner or operator shall keep monthly records of the hours of operation of each engine. For each engine, the monthly records shall show the total number of operating hours of the previous 12 consecutive months.

(b) The records shall adequately demonstrate that each engine which is subject to 40 CFR Part 60 Subpart JJJJ complies with the operating hour restrictions of §60.4243(d) in order to be considered to be an 'Emergency Stationary ICE' as defined in §60.4248.

[Compliance with this operating permit condition demonstrates that NO_x emissions from all exempt generator engines on site fall below the thresholds for exemption from plan approval. Compliance with this operating permit condition also demonstrates that each generator which is subject to 40 CFR Part 60 Subpart JJJJ continues to function as an "Emergency" engine for the purposes of that regulation. Emergency engine is defined in §60.4248 and printed under Additional Requirements in Group 4 of Section E in this permit.]

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall notify the Department, within 30 days, if the hours of operation for any internal combustion Engine will exceed 250 hours in a consecutive 12-month period. The notification shall include:

- the Engine identification;
- the hours of operation for that engine; and
- the reason for the exceedance.

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

The permittee shall operate and maintain this source in accordance with the manufacturer's specifications and in accordance with accepted air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: 4 - NSPS FOR ENGINES

Group Description: New Natural gas fueled emergency generators manufactured after January 1, 2009

Sources included in this group

ID	Name
104	EMERGENCY ENGINES BUILT AFTER 1/1/2009

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

001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1] Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines Table 1 to Subpart JJJJ of Part 60.--

[Non-applicable text and non-applicable categories from Table 1 of the regulation are omitted from this condition.]

For Emergency engine with 25 < Maximum engine horsepower < 130, the Emission Standards are:

NO_x: 10 g/hp-hr (See notes a & c.)

CO: 387 g/hp-hr (See note a.)

For Emergency engine with Maximum engine horsepower >= 130, the Emission Standards are:

NO_x: 2.0 g/hp-hr (160 ppmvd at 15% O₂) (See note a.)

CO: 4.0 g/hp-hr (540 ppmvd at 15% O₂) (See note a.)

VOC: 1.0 g/hp-hr (86 ppmvd at 15% O₂) (See notes a & d.)

Note a: Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O₂.

Note c: The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NO_x + HC.

Note d: For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

[76 FR 37975, June 28, 2011]

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) - (3) [Not applicable.]

(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

(i) - (iii) [Not applicable.]

(iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

(5) - (6) [Paragraphs (5) and (6) of the regulation are not applicable to this source.]

(b) -(f) [Paragraphs (b) through (f) of the regulation are not applicable to this source.]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972, June 28, 2011; 86 FR 34360, June 29, 2021]

**SECTION E. Source Group Restrictions.****# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4231]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines stationary SI internal combustion engines or equipment containing such engines?**

[Only paragraph (a) of §60.4231 applies to this source as referenced by §60.4233(a).]

(a) Stationary SI internal combustion engine manufacturers must certify their stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008 to the certification emission standards and other requirements for new nonroad SI engines in 40 CFR part 1054, as follows:

(1) If engine displacement is below 225 cc and manufacturing dates are July 1, 2008, to December 31, 2011, the engine must meet emission standards and related requirements for nonhandheld engines under 40 CFR Part 1054 (phase 2).

(2) If engine displacement is below 225 cc and manufacturing dates are January 1, 2012, or later, the engine must meet emission standards and related requirements for nonhandheld engines under 40 CFR Part 1054 (phase 3).

(3) If engine displacement is at or above 225 cc and manufacturing dates are July 1, 2008, to December 31, 2010, the engine must meet emission standards and related requirements for nonhandheld engines under 40 CFR Part 1054 Phase 2).

(4) If engine displacement is at or above 225 cc and manufacturing dates are January 1, 2011, or later, the engine must meet emission standards and related requirements for nonhandheld engines under 40 CFR Part 1054 (phase 3).

(b) - (g) [Not applicable to this source.]

[Refer to regulation for 40 CFR Part 1054.]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59175, Oct. 8, 2008; 76 FR 37973, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34360, June 29, 2021]

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?**

(a) Owners and operators of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008, must comply with the emission standards in §60.4231(a) for their stationary SI ICE.

(b) - (c) [Paragraphs (b)-(c) of the regulation are not applicable to this source.]

(d) Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE. Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) and less than 75 KW (100 HP) manufactured prior to January 1, 2011, that were certified to the standards in Table 1 to this subpart applicable to engines with a maximum engine power greater than or equal to 100 HP and less than 500 HP, may optionally choose to meet those standards. [Non-applicable text from the regulation which pertained to non-emergency engines has been omitted from this paragraph.]

[Table 1 emission standards are printed in a separate condition in this section of permit.]

(e) Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.

(f) - (h) [Paragraphs (f) through (h) of the regulation are not applicable to this source.]

**SECTION E. Source Group Restrictions.**

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.

[Source: 73 FR 3591, Jan. 18, 2008]

Operation Hours Restriction(s).**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) – (c) [Paragraphs (a) through (c) are printed under RECORDKEEPING in this section of permit.]

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

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

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

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

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

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

**SECTION E. Source Group Restrictions.**

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

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

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

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

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

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

(ii) [Reserved]

(e) Owners and operators of stationary SI natural gas fired engines may operate their engines 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. 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 owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of §60.4233.

(f) - (g) [Paragraphs (f) and (g) are printed under WORK PRACTICES in this section of permit.]

(h) - (i) [Paragraphs (h) and (i) are printed under RECORDKEEPING in this section of permit.]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

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.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]

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

What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

(a) Starting on July 1, 2010, if the emergency stationary SI internal combustion engine that is greater than or equal to 500 HP that was built on or after July 1, 2010, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter.

(b) Starting on January 1, 2011, if the emergency stationary SI internal combustion engine that is greater than or equal to 130 HP and less than 500 HP that was built on or after January 1, 2011, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter.

(c) If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

**SECTION E. Source Group Restrictions.**

[Source: 73 FR 3591, Jan. 18, 2008]

IV. RECORDKEEPING REQUIREMENTS.**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in §60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in §60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) If you are an owner or operator of a stationary SI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup to demonstrate compliance.

(iii) If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in §60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) [Paragraph 60.4243(b)(2) is not applicable to this source.]

(c) [Paragraph 60.4243(c) is not applicable to this source.]

(d) - (e) [Paragraphs (d) and (e) are printed under RESTRICTIONS in this section of permit.]

(f) - (g) [Paragraphs (f) and (g) are printed under WORK PRACTICES in this section of permit.]

(h) If you are an owner/operator of an stationary SI internal combustion engine with maximum engine power greater than or

**SECTION E. Source Group Restrictions.**

equal to 500 HP that is manufactured after July 1, 2007 and before July 1, 2008, and must comply with the emission standards specified in sections 60.4233(b) or (c), you must comply by one of the methods specified in paragraphs (h)(1) through (h)(4) of this section.

(1) Purchasing an engine certified according to 40 CFR part 1048. The engine must be installed and configured according to the manufacturer's specifications.

(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.

(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(i) [Paragraph 60.4243 (i) is not applicable to this source.]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must 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.

(c) - (e) [Paragraphs 60.4245(c) through (e) are not applicable to this source.]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021]]

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 E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.**

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) – (c) [Paragraphs (a) through (c) are printed under RECORDKEEPING in this section of permit.]

(d) - (e) [Paragraphs (d) and (e) are printed under RESTRICTIONS in this section of permit.]

(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine undergoes rebuild, major repair or maintenance. Engine rebuilding means to overhaul an engine or to otherwise perform extensive service on the engine (or on a portion of the engine or engine system). For the purpose of this paragraph (f), perform extensive service means to disassemble the engine (or portion of the engine or engine system), inspect and/or replace many of the parts, and reassemble the engine (or portion of the engine or engine system) in such a manner that significantly increases the service life of the resultant engine.

(g) It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.

(h) - (i) [Paragraphs (h) and (i) are printed under RECORDKEEPING in this section of permit.]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

VII. ADDITIONAL REQUIREMENTS.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What parts of the General Provisions apply to me?**

Table 3 to this subpart shows which parts of the General Provisions in §§60.1 through 60.19 apply to you.

[Refer to regulation 40 CFR Part 60 Subpart JJJJ Table 3 for the General Part 60 Subpart A Provisions applicable to Subpart JJJJ.]

[Source: 73 FR 3591, Jan. 18, 2008]

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4248]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What definitions apply to this subpart?**

[Selected definitions are printed below. Refer to regulation for remaining definitions applicable to 40 CFR Part 60 Subpart JJJJ.]

Emergency stationary internal combustion engine means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary ICE must comply with the requirements specified in §60.4243(d) in order to be considered emergency stationary ICE. If the engine does not comply with the requirements specified in §60.4243(d), then it is not considered to be an emergency stationary ICE under this subpart.

[§60.4243(d) is printed under RESTRICTIONS in this section of the permit.]

(1) The stationary ICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary ICE used to pump water in the case of fire or flood, etc.

(2) The stationary ICE is operated under limited circumstances for situations not included in paragraph (1) of this

**SECTION E. Source Group Restrictions.**

definition, as specified in §60.4243(d).

(3) The stationary ICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in §60.4243(d)(2)(ii) or (iii) and §60.4243(d)(3)(i).

[Source: 73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 76 FR 37974, June 28, 2011; 78 FR 6698, Jan. 30, 2013; 86 FR 34363, June 29, 2021]



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
031	BOILER 1		
Emission Limit			
15.000	Lbs/Tons	of coal	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.400	Lbs/MMBTU		TSP
032	BOILER 2		
Emission Limit			
15.000	Lbs/Tons	of coal	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.400	Lbs/MMBTU		TSP
033A	BOILER 3		
Emission Limit			
0.100	Lbs/MMBTU		CO
2.640	Lbs/Hr		CO
11.600	Tons/Yr	calculated on a 12-month rolling sum	CO
0.036	Lbs/MMBTU		NOX
0.980	Lbs/Hr		NOX
4.290	Tons/Yr	calculated on a 12-month rollign sum	NOX
4.000	Lbs/MMBTU	Over any 1-hour period	SOX
0.400	Lbs/MMBTU		TSP
034A	RETROFITTED BOILER 4		
Emission Limit			
0.570	Lbs/MMBTU		NOX
51.500	Tons/Yr	calculated as a 12-month rolling sum	NOX
4.000	Lbs/MMBTU	over any 1-hour period	SOX
0.400	Lbs/MMBTU		TSP
36.100	Tons/Yr	calculated as a 12-month rolling sum	TSP
036	BOILER 5		
Emission Limit			
300.000	PPMV	on a dry basis at 3% O2	CO
30.000	PPMV	on a dry basis at 3% O2	NOX
4.000	Lbs/MMBTU	over any 1-hr period	SOX
0.400	Lbs/MMBTU		TSP
101	EMERGENCY ENGINES BUILT PRIOR TO 1/1/2009		
Emission Limit			
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
104	EMERGENCY ENGINES BUILT AFTER 1/1/2009

Emission Limit	Pollutant
500.000 PPMV dry basis	SOX
0.040 gr/DRY FT3	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
25.000 Tons/QTRLY based on a consecutive 3-month period	NOX
99.000 Tons/Yr based on a consecutive 12-month period	NOX
93.700 Tons/Yr based on a consecutive 12-month period	SOX

**SECTION H. Miscellaneous.**

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restrictions section for each source and source group and in Section C. The emission limitations contained in Section G of this permit are for informational purposes and are not to be considered as enforceable limits.

- (b) Source ID: Department assigned ID number for the source
 Source Name: Department assigned name for the source
 Capacity/Throughput: The maximum capacity or throughput for the source (not a limit)
 Fuel/Material: The fuel/material assigned to SCC for the source
 Schematics:
 FML: Fuel material location
 CU: Combustion Unit source
 PROC: Process
 CNTL: Control device
 STAC: Emission point / Stack

(c) All reports, submittals, and other communications required by this permit shall be submitted to the following office.

Bureau of Air Quality
 Department of Environmental Protection
 230 Chestnut Street
 Meadville, PA 16335
 814-332-6940 (phone)
 814-332-6117 (fax)

(d) The following is a list of the stationary engines on site, exempt from plan approval, listed by Asset number, Engine Type, Location, Manufacturer & hp rating, serial number, and model number.

- (1) Emg-000-20, Natural Gas Emergency Generator, McKay Education Building, Onan 30 hp, 174732311, 12.5 RJC-3R31;
- (2) Emg-000-21, Natural Gas Emergency Generator, Vincent Science Hall, Cummins 25 hp, L090079246, GGLB-1490051;
- (3) Emg-000-30, Natural Gas Emergency Generator, University Police & Parking Office, Onan 126 hp, J050840443 Spec-E, GGHE-5742312;
- (4) Emg-000-350, Natural Gas Emergency Generator, Rock Apartment - Bldg. 5, Kohler 26 hp, 2012791, 20RZ;
- (5) Emg-000-510, Natural Gas Emergency Generator, Building A, Cummins 126 hp, A060875067, GGHE-5747916;
- (6) Emg-000-520, Natural Gas Emergency Generator, Building B, Cummins 126 hp, S10C622-12/A060875066, GGHE-5747916;
- (7) Emg-000-530, Natural Gas Emergency Generator, Building C (Watson Hall), Cummins 126 hp, A060875068, GGHE-5747916;
- (8) Emg-000-540, Natural Gas Emergency Generator, Building D, Cummins 126 hp, A060875069, GGHE-5747916;
- (9) Emg-000-550, Natural Gas Emergency Generator, Building E, Cummins 126 hp, H070099361, GGHE-5929617;
- (10) Emg-000-560, Natural Gas Emergency Generator, Building F, Cummins 126 hp, H070099362, GGHE-5929617;
- (11) Emg-001-16, Natural Gas Emergency Generator, Miller Auditorium, Onan 20 hp, L910439538, 15RJCJ;
- (12) Emg-001-35, Natural Gas Emergency Generator (Mech Room), University Union, Onan 30 hp, 0572438256, RJC;
- (13) Emg-001a-41, Natural Gas Emergency Generator, Stores Building 1, Kohler 12 hp, 2077214, 15RYG;
- (14) Emg-002-13, Natural Gas Emergency Generator, West Gym, Wisconsin 20 hp, 118232, 15RM62;
- (15) Emg-002-23, Natural Gas Emergency Generator) Eisenberg Classroom Building, Kohler 25 hp, 5419906, VG4D;
- (16) Emg-005-22, Natural Gas Emergency Generator, Spotts World Culture Building, Cummins 77 hp, 422420, GGPB;
- (17) Emg-, Natural Gas Emergency Generator, Spotts World Culture Building, Onan 60 hp, D140660318, GGHG;
- (18) Emg-006-25, Natural Gas Emergency Generator, Bailey Library, Onan 66 hp, 037242485, C5PF;
- (19) Emg-0081-27, Natural Gas Emergency Generator, Boozel Dining Hall, Cummins 30 hp, J080215384, GGMA-7256411;
- (20) Emg-, Natural Gas Emergency Generator, Maltby Building (IT Equip.), Kohler 566 hp, 2316420, 300REZX;
- (21) Emg-011-24, Natural Gas Emergency Generator, Maltby Building, Onan 100 hp, A990849199-SPEC 01, 80GGHC 41915B;
- (22) Emg-013-28, Natural Gas Emergency Generator, Art Building (Art), Kohler 12 hp, 47776, K301EP;
- (23) Emg-017-06, Natural Gas Emergency Generator, North Hall, Ford 45 hp, 15963 T-7-TH, CSG-6491-6005-F;
- (24) Emg-037a-54, Natural Gas Emergency Generator, Swope Music Hall, Kohler 12 hp, 0760316, 10RY;
- (25) Emg-1041-40, Natural Gas Emergency Generator, Heating Plant (Main Plant), Cummins 965 hp, 25298683, GTA38-G2;
- (26) Emg-, Natural Gas Emergency Generator, Advanced Technology & Science Hall, Cummins 190 hp, GGJH-1514728, WSG-1068;

**SECTION H. Miscellaneous.**

- (27) Emg-117-18, Natural Gas Emergency Generator, Advanced Technology & Science Hall, Detroit 44 hp, 2026687, 30G5G;
- (28) Emg-124-44, Natural Gas Emergency Generator, Physical Therapy Complex, Kohler 136 hp, 0691964, 100RZ;
- (29) Emg-140-38, Natural Gas Emergency Generator, Campus Rec - Arc, Kohler 48 hp, 611534, 35RZ72;
- (30) Emg-162-07, Natural Gas Emergency Generator, Rhoads Hall, Onan 66 hp, 36724-T-29-H, 30EK-ONAN;
- (31) Emg-000-07, Natural Gas Emergency Generator, Rhoads Hall, Cummins 77 hp, K130-598600, GGPA-1341585;
- (32) Emg-000-090, Natural Gas Emergency Generator, Smith Center, Cummins 383 hp, FM09H204401, GTA855E;
- (33) Emg-, Natural Gas Emergency Generator, Rizza, Kohler 20.5 hp, SGV322Z8R, 14RESA;
- (34) Emg-, Natural Gas Emergency Generator, Heating Plant (Baghouse), Cummins 1098 hp, FX11D140863, GTA-50G3;

(e) The following sources have minor emissions and no applicable emission, operational, testing, monitoring, recordkeeping, or reporting requirements, other than the requirements listed in Section C of this permit:

- Training incinerator (Sproncz model RL 20 HD);
- Portable emergency air compressor in Boiler House (John Deere 52 hp diesel-fueled engine)
- Bio-diesel fuel production unit and methanol recovery system consisting of a 75-gal processor to convert used cooking oil into biodiesel fuel for used in small non-road power equipment (weed trimmers, gas blowers, lawnmowers, etc.); these units were determined to be insignificant on the August 6, 2010, RFD approval.

(f) This Operating Permit No. TV 10-00062 was originally issued on August 5, 1997, effective on August 31, 1997, and expires on August 31, 2002. The Operating Permit was reissued on August 27, 2002, effective on August 27, 2002, and expires on July 31, 2007.

(g) This Operating Permit is being reissued on June 2, 2010 and expires on May 31, 2015. As part of the renewal process, plan approval 10-062C, 10-062D and 10-062E conditions were incorporated.

(h) This permit was administratively amended on July 10, 2012 to incorporate the requirements of plan approval 10-062F.

(i) This permit was modified on August 27, 2014 to incorporate a Federally Enforceable condition of "Limited-Use" and the requirements of 40 CFR 63 Subpart JJJJJJ were added to the permit.

(j) This permit renewal, effective June 29, 2016, is issued on June 29, 2016.

(k) At the permit renewal, the facility was converted from a TVOP to a SOOP based on elective emission restrictions for SOx emissions. The permit also now contains the requirements of GP1 for Boiler 5. The New SOOP was issued to the facility on January 3, 2022.



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