



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: February 5, 2020

Effective Date: February 5, 2020

Expiration Date: February 5, 2025

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

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

State Only Permit No: 15-00132

Synthetic Minor

Federal Tax Id - Plant Code: 13-3454858-2

Owner Information

Name: TEVA BRANDED PHARM PROD R & D INC
Mailing Address: 145 BRANDYWINE PKWY
WEST CHESTER, PA 19380-4249

Plant Information

Plant: TEVA BRANDED PHARMACEUTICAL/W CHESTER
Location: 15 Chester County 15963 West Goshen Township
SIC Code: 8731 Services - Commercial Physical Research

Responsible Official

Name: MEHRAN YAZDANIAN
Title: SR DIR SCIENTIFIC STR
Phone: (610) 738 - 6828

Permit Contact Person

Name: JAMES GALLOWAY
Title: ASSOCIATE DIRECTOR
Phone: (610) 738 - 6692

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

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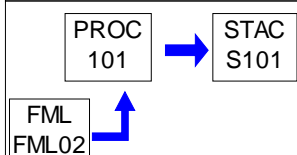
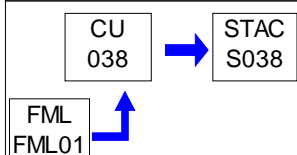
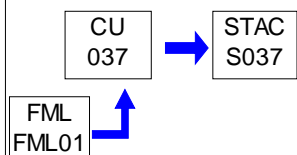
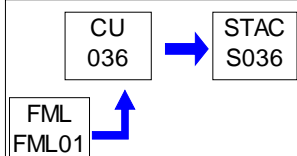
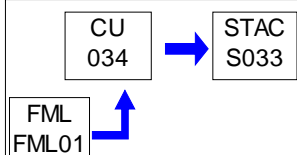
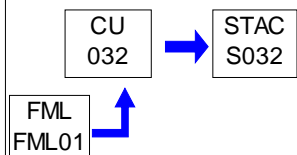
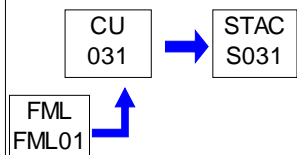
Section G. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER 1	9.900 MMBTU/HR	
		9.400 MCF/HR	Natural Gas
032	BOILER 2	9.900 MMBTU/HR	
		9.400 MCF/HR	Natural Gas
034	BOILER 4	6.000 MMBTU/HR	
		5.700 MCF/HR	Natural Gas
036	MISC GAS FIRED COMBUSTION SOURCES	5.217 MMBTU/HR	
		5.000 MCF/HR	Natural Gas
037	BOILER 6	5.100 MMBTU/HR	
		0.005 MMCF/HR	Natural Gas
038	BOILER 7	5.100 MMBTU/HR	
		0.005 MMCF/HR	Natural Gas
101	750KW EGEN #9	52.700 Gal/HR	#2 Oil
102	EGEN #4 (75 KW)	0.960 MCF/HR	Natural Gas
103	EGEN #5 (180 KW)	2.370 MCF/HR	Natural Gas
104	EGEN #6 (180 KW)	2.370 MCF/HR	Natural Gas
105	EGEN #7 (500 KW)	34.700 Gal/HR	Diesel Fuel
106	EGEN #8 (350 KW)	24.300 Gal/HR	Diesel Fuel
108	EGEN 500 (250 KW)	17.800 Gal/HR	Diesel Fuel
109	(2) 563 KW EGENS	73.200 Gal/HR	Diesel Fuel
110	MTU EGEN #1	51.940 Gal/HR	Diesel Fuel
111	MTU EGEN #2	51.940 Gal/HR	Diesel Fuel
112	EGEN CUMMINS (200KW)	14.500 Gal/HR	Diesel Fuel
FML01	NATURAL GAS		
FML02	NO.2 OIL/DIESEL FUEL		
S031	BOILER 1 STACK		
S032	BOILER 2 STACK		
S033	BOILER 4 STACK		
S036	MISC HEATER STACKS		
S037	BOILER 6 STACK		
S038	BOILER 7 STACK		
S101	750KW EGEN #9 STACK		
S102	EGEN #4 STACK		
S103	EGEN #5 STACK		
S104	EGEN #6 STACK		
S105	EGEN #7 STACK		
S106	EGEN #8 STACK		
S108	EGEN 500 STACK		
S109	(2) 563 KW EGEN STACKS		
S110	MTU EGEN #1 STACK		
S111	MTU EGEN #2 STACK		

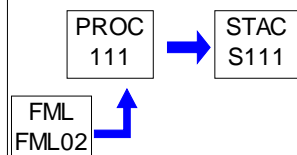
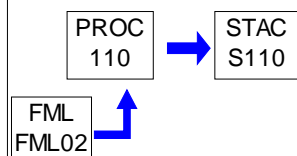
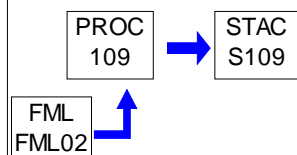
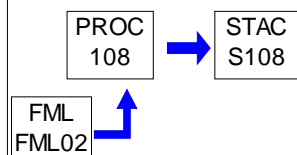
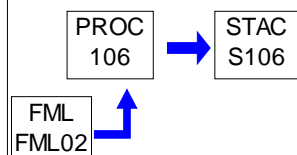
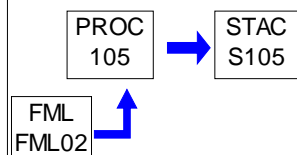
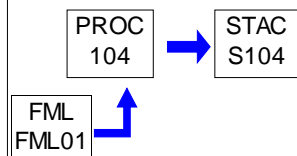
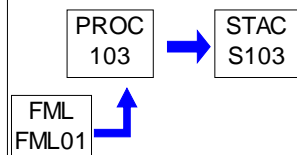
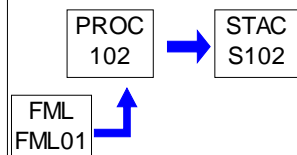
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S112	EGEN 112 STACK		

PERMIT MAPS

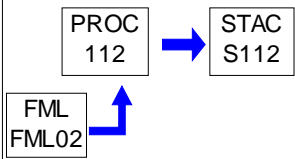


PERMIT MAPS





PERMIT MAPS



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

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

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

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).

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

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

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

(a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION 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. Section 4003).

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

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

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

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit total nitrogen oxides (NO_x) emissions from the entire facility to 24.9 tons per year, or less, in any consecutive 12-month rolling period.

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

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

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

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

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

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

Visible emissions may be measured using either of the following:

- (a) a device approved by the Department and maintained to provide accurate opacity measurements; or
- (b) observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) Odors which may be objectionable (as per 25 Pa. Code §123.31).
 - (2) Visible Emissions (as per 25 Pa. Code §§123.41 and 123.42).
 - (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).

**SECTION C. Site Level Requirements**

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

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

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

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

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

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform and maintain records of NOx emissions calculations on a monthly, and 12 month rolling basis.

V. REPORTING REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

**SECTION C. Site Level Requirements**

- (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

VI. WORK PRACTICE REQUIREMENTS.**# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

(a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;

(b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;

(c) paving and maintenance of roadways; and

(d) prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

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

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

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of this permit, is causing the emission of air

**SECTION C. Site Level Requirements**

contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III, or any other applicable rule promulgated under the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 031

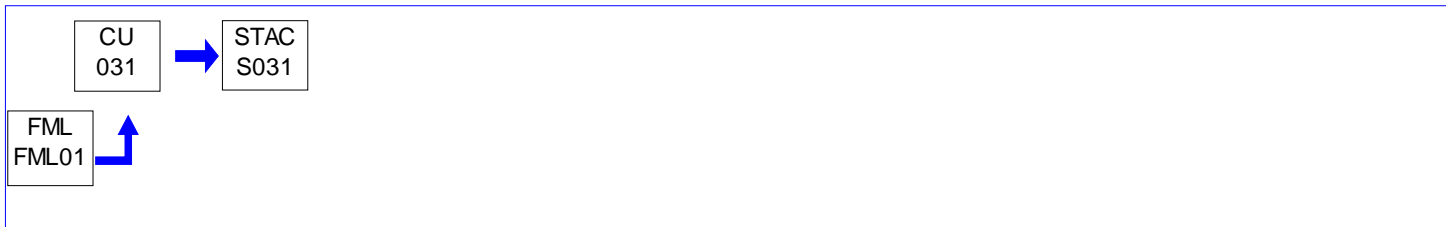
Source Name: BOILER 1

Source Capacity/Throughput:

9.900 MMBTU/HR

9.400 MCF/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 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

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

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

The Permittee shall operate this source using a low NO_x burner capable of reducing NO_x and CO emissions to or below:

- (a) 30 ppm_dv NO_x at 3% O₂; and
- (b) 300 ppm_dv CO at 3% O₂.

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

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the amount of natural gas used by this source on a monthly basis.

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

1. The permittee shall maintain records of the amount of natural gas used by this source on a monthly basis.
2. The permittee shall perform and maintain records of NO_x emissions calculations on a monthly, and 12-month rolling basis.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This source consists of a natural gas fired, 9.90 MMBtu/hr, Cleaver Brooks Boiler, Flextube 1260 model.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

As specified in 40 CFR § 63.11195(e), the affected boiler under this source identification shall not be subject to the requirements of Subpart JJJJJJ if it meets the definition of a Gas-fired boiler under 40 CFR § 63.11237.

A Gas-fired boiler is defined as any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or for periodic testing that does not exceed 48 hours during any calendar year.

Should the permittee operate this boiler in contrary to this definition, the boiler shall be subject to all applicable requirements of Boiler MACT Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

Source ID: 032

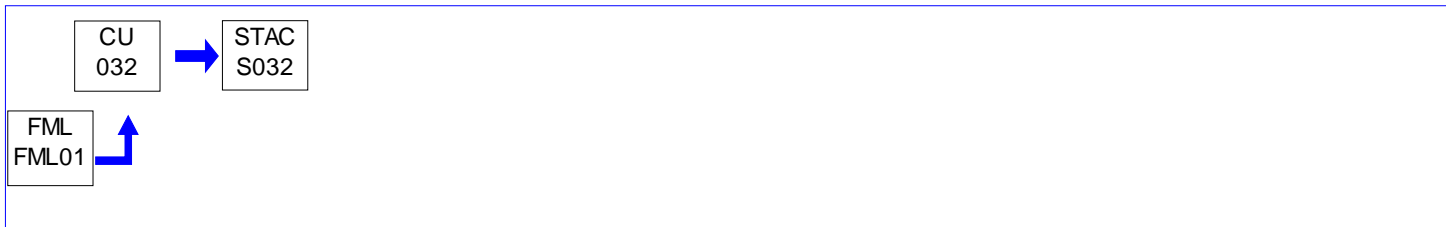
Source Name: BOILER 2

Source Capacity/Throughput:

9.900 MMBTU/HR

9.400 MCF/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 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

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

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

The Permittee shall operate this source using a low NO_x burner capable of reducing NO_x and CO emissions to or below:

- (a) 30 ppm_dv NO_x at 3% O₂; and
- (b) 300 ppm_dv CO at 3% O₂.

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

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the amount of natural gas used by this source on a monthly basis.

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

1. The permittee shall maintain records of the amount of natural gas used by this source on a monthly basis.
2. The permittee shall perform and maintain records of NO_x emissions calculations on a monthly, and 12-month rolling basis.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This source consists of a natural gas fired, 9.90 MMBtu/hr, Cleaver Brooks Boiler, Flextube 1260 model.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

As specified in 40 CFR § 63.11195(e), the affected boiler under this source identification shall not be subject to the requirements of Subpart JJJJJJ if it meets the definition of a Gas-fired boiler under 40 CFR § 63.11237.

A Gas-fired boiler is defined as any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or for periodic testing that does not exceed 48 hours during any calendar year.

Should the permittee operate this boiler in contrary to this definition, the boiler shall be subject to all applicable requirements of Boiler MACT Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

Source ID: 034

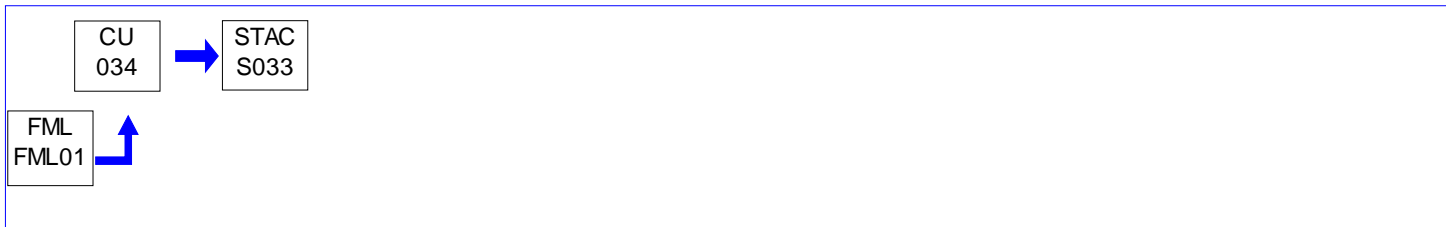
Source Name: BOILER 4

Source Capacity/Throughput:

6.000 MMBTU/HR

5.700 MCF/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 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

1. The permittee shall maintain records of the amount of fuel used by this source on a monthly basis.
2. The permittee shall calculate and maintain records of NO_x emissions for this source on a monthly and 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a 6.0 MMBtu/hr, Cleaver Brooks Boiler, Model No. M4HP-6000.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]

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

As specified in 40 CFR § 63.11195(e), the affected boiler under this source identification shall not be subject to the requirements of Subpart JJJJJJ if it meets the definition of a Gas-fired boiler under 40 CFR § 63.11237.

A Gas-fired boiler is defined as any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or for periodic testing that does not exceed 48 hours during any calendar year.

Should the permittee operate this boiler in contrary to this definition, the boiler shall be subject to all applicable requirements of Boiler MACT Subpart JJJJJJ.

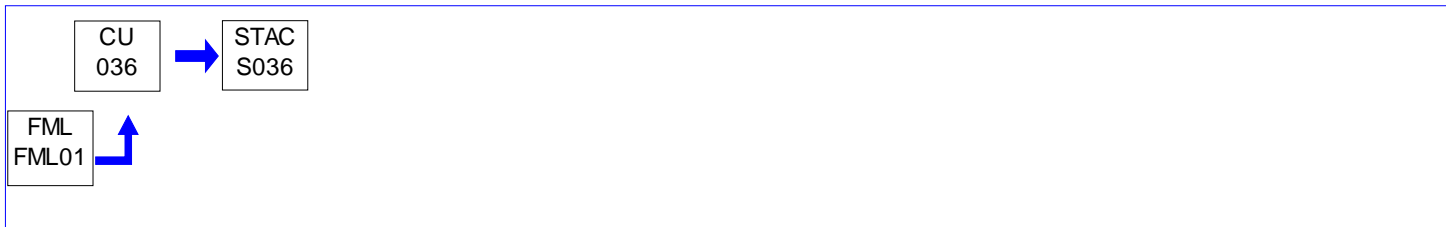
**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: MISC GAS FIRED COMBUSTION SOURCES

Source Capacity/Throughput: 5.217 MMBTU/HR

5.000 MCF/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 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

1. The permittee shall maintain records of the amount of fuel used by this source on a monthly basis.
2. The permittee shall calculate and maintain records of NO_x emissions for this source on a monthly and 12-month rolling basis.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep an updated list of the combustion units (minus heaters) with the location and combustion rates.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This source consists of various natural gas fired HVAC units and hot water heaters, totaling 4.818 MMBtu/hr of heat input and one 0.399 MMBtu/hr Columbia Boiler, Model No. CT-10. The total heat input of this source is 5.217 MMBtu/hr.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****Are any boilers not subject to this subpart?**

As specified in 40 CFR § 63.11195(e), the affected boiler under this source identification shall not be subject to the requirements of Subpart JJJJJJ if it meets the definition of a Gas-fired boiler under 40 CFR § 63.11237.

A Gas-fired boiler is defined as any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or for periodic testing that does not exceed 48 hours during any calendar year.

Should the permittee operate this boiler in contrary to this definition, the boiler shall be subject to all applicable requirements of Boiler MACT Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

Source ID: 037

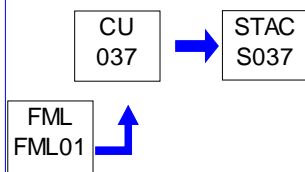
Source Name: BOILER 6

Source Capacity/Throughput:

5.100 MMBTU/HR

0.005 MMCF/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 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

002 [25 Pa. Code §123.22]

Combustion units

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

1. The permittee shall maintain records of the amount of fuel used by this source on a monthly basis.
2. The permittee shall calculate and maintain records of NO_x emissions for this source on a monthly and 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a 5.1 MMBtu/hr, Cleaver Brooks Boiler, Model No. CBLE-700-125-125HW.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]

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

Are any boilers not subject to this subpart?

As specified in 40 CFR § 63.11195(e), the affected boiler under this source identification shall not be subject to the requirements of Subpart JJJJJJ if it meets the definition of a Gas-fired boiler under 40 CFR § 63.11237.

A Gas-fired boiler is defined as any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or for periodic testing that does not exceed 48 hours during any calendar year.

Should the permittee operate this boiler in contrary to this definition, the boiler shall be subject to all applicable requirements of Boiler MACT Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

Source ID: 038

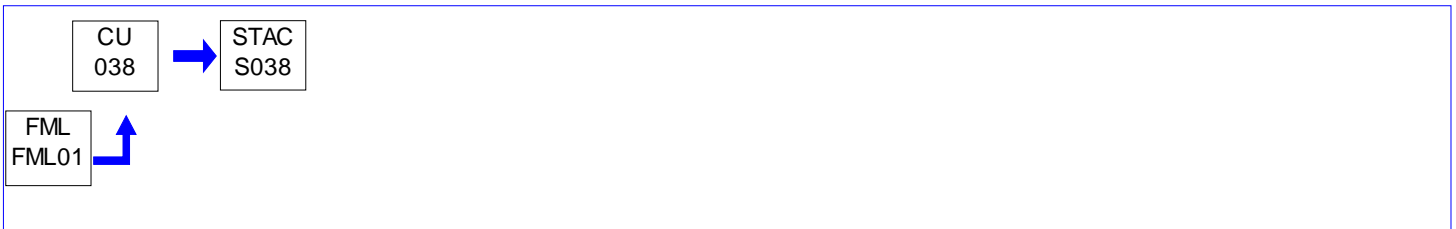
Source Name: BOILER 7

Source Capacity/Throughput:

5.100 MMBTU/HR

0.005 MMCF/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 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

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

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

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

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

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

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

1. The permittee shall maintain records of the amount of fuel used by this source on a monthly basis.
2. The permittee shall calculate and maintain records of NO_x emissions for this source on a monthly and 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a 5.1 MMBtu/hr, Cleaver Brooks Boiler, Model No. CBLE-700-125-125HW.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]

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

As specified in 40 CFR § 63.11195(e), the affected boiler under this source identification shall not be subject to the requirements of Subpart JJJJJJ if it meets the definition of a Gas-fired boiler under 40 CFR § 63.11237.

A Gas-fired boiler is defined as any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or for periodic testing that does not exceed 48 hours during any calendar year.

Should the permittee operate this boiler in contrary to this definition, the boiler shall be subject to all applicable requirements of Boiler MACT Subpart JJJJJJ.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: 750KW EGEN #9

Source Capacity/Throughput:

52.700 Gal/HR

#2 Oil

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from this generator do not exceed the following rates:

Pollutant(s)	gm/bhp-hr*	Lbs/hr*	Tons/yr
CO	0.53	1.29	0.32
HCS	0.10	0.25	0.06
NOx	4.57	11.09	2.77
PM	0.14	0.34	0.08

Tons/yr = Tons per twelve (12)-month rolling period, calculated monthly.

CO = Carbon monoxide.

HCS = Hydrocarbons. All HC emissions from this unit shall be treated as VOC emissions.

NOx = Nitrogen oxides.

PM = Particulate matter.

*Note: The gm/bhp-hr limits applies only at 100% operating load. The Lb/hr limit applies under all operating loads.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 CFR §§ 89.113(a) and 1039.105(b).]

Visible emissions from this generator set shall not exceed the following limitations:

- (a) 20% during the acceleration mode;
- (b) 15% during the lugging mode; and
- (c) 50% during the peaks in either the acceleration or lugging modes.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.4207(a) - (c) and 80.510(c).]

a) The diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for non-road diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

Throughput Restriction(s).**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the total amount of fuel used by this generator does not exceed 26,350 gals/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

The permittee shall monitor the following on a daily basis, when operating:

(a) The hours of operation.

(b) The amount of diesel fuel used (gallons).

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

The permittee shall maintain records of the following emissions from this generator, calculated using Department-approved methods:

**SECTION D. Source Level Requirements**

- (a) The CO emissions, on a monthly and 12-month rolling basis.
- (b) The HC emissions, on a monthly and 12-month rolling basis.
- (c) The NOx emissions, on a monthly, ozone season (i.e., the period from May 1 through September 30 of each year), and 12-month rolling basis.
- (d) The PM emissions, on a monthly and 12-month rolling basis.

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

The permittee shall maintain records of the following on a daily basis, when operating:

- (a) The hours of operation.
- (b) The amount of diesel fuel used (gallons).

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

For each shipment of diesel fuel received for this engine, the permittee shall maintain records that the diesel fuel delivered to be used in the engine does not exceed the limits contained in Condition #005 of this Section. The information can be obtained either by laboratory analysis or from the fuel supplier's certification:

- (a) The sulfur content; and
- (b) The cetane index or aromatic content.

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

The permittee shall calculate the following emissions from this generator set using Department-approved methods:

- (a) The CO emissions, on a monthly and 12-month rolling basis.
- (b) The HC emissions, on a monthly and 12-month rolling basis.
- (c) The NOx emissions, on a monthly, ozone season, and 12-month rolling basis.
- (d) The PM emissions, on a monthly and 12-month rolling basis.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.4201(a) and 60.4204(b).]

The permittee shall ensure that the engine of this generator set is certified to the Tier 2 and opacity emission standards specified in 40 C.F.R. §§ 89.112(a) and 89.113(a)(1) - (3), respectively.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 CFR §§ 60.4206 and 4211(a).]

The permittee shall operate and maintain this source according to one of the following:

- (1) Manufacturer's written instructions, or
- (2) Permittee developed procedures that are approved by the engine manufacturer. The permittee may only change those settings that are permitted by the manufacturer.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.4209(a).]

The permittee shall ensure that a non-resettable hour meter is installed on this generator set.

016 [25 Pa. Code §129.203]**Stationary internal combustion engines.**

(a) The permittee shall calculate the difference between the actual emissions from the unit during the period from May 1 through September 30 and the allowable emissions for that period.

(b) The permittee shall calculate allowable emissions by multiplying the cumulative hours of operations for the unit for the period by the horsepower rating of the unit and by the applicable emission rate set forth below:

- (1) For a compression ignition stationary internal combustion engine firing diesel fuel, 2.3 grams of NO_x per brake horsepower-hour.

017 [25 Pa. Code §129.204]**Emission accountability.**

(a) The permittee shall determine actual emissions by the maximum hourly allowable NO_x emission rate (11.09 lb/hr) and the actual operating hours during the ozone season.

(b) The permittee shall surrender to the Department one CAIR NO_x allowance and one CAIR NO_x Ozone Season allowance, as defined in 40 CFR 96.102 and 96.302 (relating to definitions), for each ton of NO_x by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

(c) By November 1 of each year, the permittee shall surrender the required NO_x allowances to the Department's designated NO_x allowance tracking system account and provide to the Department, in writing, the following:

- (1) The serial number of each NO_x allowance surrendered.
- (2) The calculations used to determine the quantity of NO_x allowances required to be surrendered.

(d) If the permittee does not comply with (c)(1) - (2), above, in a given year, then the permittee shall surrender, on or before December 31 of that year, 3 NO_x allowances for each NO_x allowance that was required to be surrendered in (c)(1) - (2), above. The surrendered NO_x allowances may be of current or later year vintage.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of a generator set, model no. 750DQFAA, manufactured by Cummins, with the following engine information:

Model: Cummins Inc. QST30-G5 NR2
 Engine Nameplate HP: 1490
 Type: 4 Cycle, 50 degree V, 12-cylinder, diesel
 Turbocharged and Low Temperature Aftercooled (Air-to-Air)

Horsepower @ 1800 RPM (60Hz): 1102 BHP
 Fuel Consumption: 52.7 gal/hr

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

This generator set is subject to Subpart IIII of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

Director
 Air Protection Division
 U.S. EPA, Region III
 1650 Arch Street
 Philadelphia, PA 19103-2029

020 [25 Pa. Code §129.204]**Emission accountability.**

(a) If the combined allowable NO_x emissions exceed the combined actual NO_x emissions from this generator set during the ozone season, the permittee may deduct the difference or any portion of the difference from the amount of actual NO_x emissions from an engine(s) subject to 25 Pa. Code § 129.204 during the ozone season at any of the permittee's other facilities.

(b) If the combined allowable NO_x emissions exceed the combined actual NO_x emissions from an engine(s) subject to 25 Pa. Code § 129.204 during the ozone season at any of the permittee's other facilities, the permittee may deduct the difference or any portion of the difference from the amount of actual NO_x emissions from this generator set during the ozone season.

021 [25 Pa. Code §129.205]**Zero emission renewable energy production credit.**

In calculating actual emissions from a facility under 25 Pa. Code § 129.204 (relating to emission accountability), the permittee may deduct 1.5 pounds of NO_x per MWH of electricity or thermal power equivalent for each MWH of zero emission renewable energy produced, if the following conditions are met:

- (1) The zero emission renewable energy production is certified in a tradable renewable certificate.
- (2) The zero emission renewable energy was generated by a power source that produced zero emissions and used 100% renewable energy, such as solar or wind power, in producing the renewable energy. For hydropower, the power must be generated without the use of a dam.
- (3) The zero emission renewable energy power source was originally brought into production on or after December 11, 2004.

**SECTION D. Source Level Requirements**

- (4) The zero emission renewable energy power source is located in Bucks, Chester, Delaware, Montgomery or Philadelphia County.
- (5) The owner or operator surrenders the renewable tradable certificate to the Department.
- (6) The owner or operator certifies that the conditions of this section have been satisfied.

**SECTION D. Source Level Requirements**

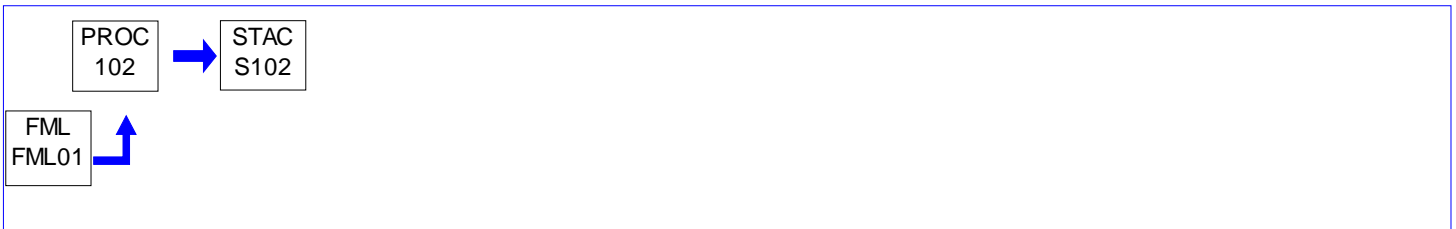
Source ID: 102

Source Name: EGEN #4 (75 KW)

Source Capacity/Throughput:

0.960 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

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

Sources 102, 103, 104, 105, 106, 108 and 112 shall not exceed the following combined NOx emission limits:

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

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

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

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

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

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

- The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.
- The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for non-emergency engines.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a 75 KW, Onan Generator, Model No. 75 ENAD with an estimated heat input rating of 1.008 MMBtu/hr.

**SECTION D. Source Level Requirements**

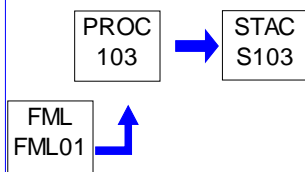
Source ID: 103

Source Name: EGEN #5 (180 KW)

Source Capacity/Throughput:

2.370 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

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

Sources 102, 103, 104, 105, 106, 108 and 112 shall not exceed the following combined NOx emission limits:

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

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

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

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

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

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

- The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.
- The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for non-emergency engines.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a 180 KW, Kohler Generator, Model No. 180RZD with an estimated heat input rating of 2.5 MMBtu/hr.

**SECTION D. Source Level Requirements**

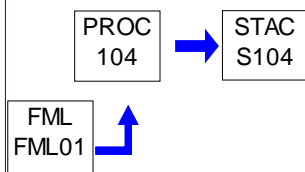
Source ID: 104

Source Name: EGEN #6 (180 KW)

Source Capacity/Throughput:

2.370 MCF/HR

Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

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

Sources 102, 103, 104, 105, 106, 108 and 112 shall not exceed the following combined NOx emission limits:

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

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

The permittee shall use only natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

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

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

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

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

- The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.
- The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for non-emergency engines.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a 180 KW, Kohler Generator, Model No. 180RZD with an estimated heat input rating of 2.5 MMBtu/hr.

**SECTION D. Source Level Requirements**

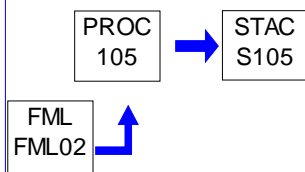
Source ID: 105

Source Name: EGEN #7 (500 KW)

Source Capacity/Throughput:

34.700 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

Sources 102, 103, 104, 105, 106, 108 and 112 shall not exceed the following combined NO_x emission limits:

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

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the emission standards in Table 1 of Subpart IIII, as listed below:

- HC - 1.3 g/kW-hr, (1.0 g/hp-hr)
- NO_x - 9.2 g/kW-hr, (6.9 g/hp-hr)
- CO - 11.4 g/kW-hr, (8.5 g/hp-hr)
- PM - 0.54 g/kW-hr, (0.40 g/hp-hr)

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

The permittee shall use only diesel fuel as fuel for this source.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(c), as listed below on a per gallon basis:

- Maximum sulfur content = 15 parts per million (ppm)
- Minimum cetane index = 40, or maximum aromatic content = 35 volume percent

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

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

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

1. The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.

2. The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

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

The permittee shall keep records of one of the following:

(a) A copy of the certification, showing the percent sulfur in the fuel, the cetane index or aromatic content of the fuel, and name of the supplier, or

(b) The chemical analysis of the fuel oil sample, showing sample location and results.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

1. The permittee shall demonstrate compliance with the emissions standards having purchased an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

2. The permittee shall keep records of engine manufacturer data indicating compliance with the emission standards.

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.**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion**

**SECTION D. Source Level Requirements****engine?**

The permittee shall operate and maintain this source according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

[Compliance with this streamlined condition assures compliance with 40 CFR § 60.4211(a).]

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

This source shall be equipped with a non-resettable hour meter.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart IIII and must meet all requirements for non-emergency engines.

VII. ADDITIONAL REQUIREMENTS.

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

This source consists of a 500 KW Cummins generator with diesel engine, model no. DFEK-5754763. The engine is rated at 732 BHP.

**SECTION D. Source Level Requirements**

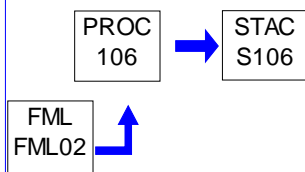
Source ID: 106

Source Name: EGEN #8 (350 KW)

Source Capacity/Throughput:

24.300 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

Sources 102, 103, 104, 105, 106, 108 and 112 shall not exceed the following combined NO_x emission limits:

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

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the emission standards in Table 1 of Subpart III, as listed below:

- HC - 1.3 g/kW-hr, (1.0 g/hp-hr)
- NO_x - 9.2 g/kW-hr, (6.9 g/hp-hr)
- CO - 11.4 g/kW-hr, (8.5 g/hp-hr)
- PM - 0.54 g/kW-hr, (0.40 g/hp-hr)

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

The permittee shall use only diesel fuel as fuel for this source.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(c), as listed below on a per gallon basis:

- Maximum sulfur content = 15 parts per million (ppm)
- Minimum cetane index = 40, or maximum aromatic content = 35 volume percent

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

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

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

1. The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.

2. The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

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

The permittee shall keep records of one of the following:

(a) A copy of the certification, showing the percent sulfur in the fuel, the cetane index or aromatic content of the fuel, and name of the supplier, or

(b) The chemical analysis of the fuel oil sample, showing sample location and results.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

1. The permittee shall demonstrate compliance with the emissions standards having purchased an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

2. The permittee shall keep records of engine manufacturer data indicating compliance with the emission standards.

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.**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion**

**SECTION D. Source Level Requirements****engine?**

The permittee shall operate and maintain this source according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

[Compliance with this streamlined condition assures compliance with 40 CFR § 60.4211(a).]

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

This source shall be equipped with a non-resettable hour meter.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart IIII and must meet all requirements for non-emergency engines.

VII. ADDITIONAL REQUIREMENTS.

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

This source consists of a 350 KW Cummins generator with diesel engine, model no. DFEG-5768767. The engine is rated at 520 BHP.

**SECTION D. Source Level Requirements**

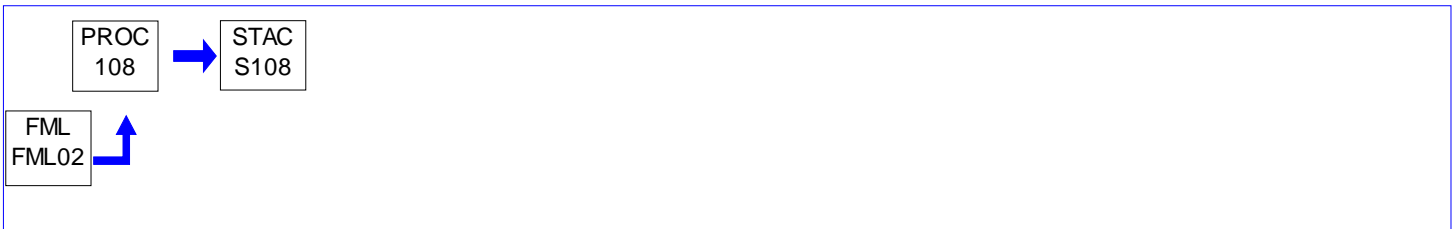
Source ID: 108

Source Name: EGEN 500 (250 KW)

Source Capacity/Throughput:

17.800 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

Sources 102, 103, 104, 105, 106, 108 and 112 shall not exceed the following combined NO_x emission limits:

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

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the emission standards in Table 1 of Subpart IIII, as listed below:

- HC - 1.3 g/kW-hr, (1.0 g/hp-hr)
- NO_x - 9.2 g/kW-hr, (6.9 g/hp-hr)
- CO - 11.4 g/kW-hr, (8.5 g/hp-hr)
- PM - 0.54 g/kW-hr, (0.40 g/hp-hr)

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

The permittee shall use only diesel fuel as fuel for this source.

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(c), as listed below on a per gallon basis:

- Maximum sulfur content = 15 parts per million (ppm)
- Minimum cetane index = 40, or maximum aromatic content = 35 volume percent

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

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

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

1. The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.

2. The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

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

The permittee shall keep records of one of the following:

(a) A copy of the certification, showing the percent sulfur in the fuel, the cetane index or aromatic content of the fuel, and name of the supplier, or

(b) The chemical analysis of the fuel oil sample, showing sample location and results.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

1. The permittee shall demonstrate compliance with the emissions standards having purchased an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

2. The permittee shall keep records of engine manufacturer data indicating compliance with the emission standards.

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.**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion**

**SECTION D. Source Level Requirements****engine?**

The permittee shall operate and maintain this source according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

[Compliance with this streamlined condition assures compliance with 40 CFR § 60.4211(a).]

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

This source shall be equipped with a non-resettable hour meter.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for non-emergency engines.

VII. ADDITIONAL REQUIREMENTS.

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

This source consists of a 500 KW Cummins generator with diesel engine, model no. QSL9-G5. The engine is rated at 400 BHP.

**SECTION D. Source Level Requirements**

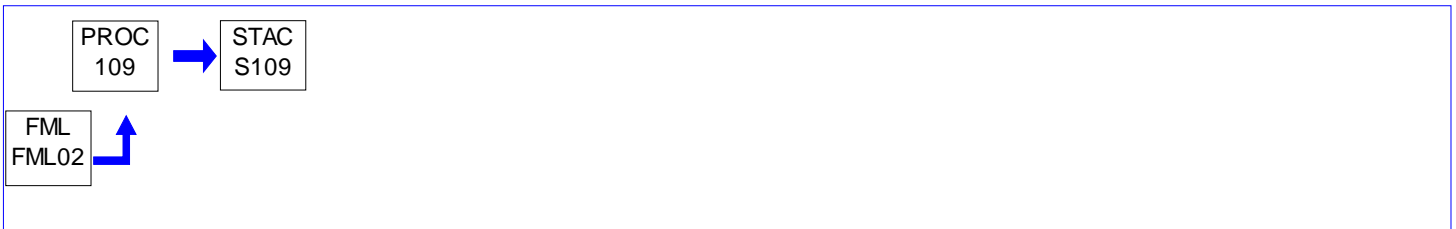
Source ID: 109

Source Name: (2) 563 KW EGENS

Source Capacity/Throughput:

73.200 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §123.41]**Limitations**

Visible emissions from each engine stack shall not exceed the following limitations:

- Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and
- Equal to or greater than 30% at any time.

[Compliance with the above streamlined permit condition assures compliance with the provisions found in 40 CFR §§ 89.113(a).]

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The following pollutants from each engine/generator set shall not exceed the following emission rates:

Pollutant(s)	gm/bhp-hr	Lbs/hr	Tons/yr*
CO	0.52	0.86	0.22
HCS	0.20	0.33	0.08
NOx	5.74	9.55	2.39
PM	0.09	0.15	0.04

Tons/yr = Tons per twelve (12)-month rolling period, calculated monthly.

CO = Carbon monoxide.

HCS = Hydrocarbons. All HC emissions from this unit shall be treated as VOC emissions.

NOx = Nitrogen oxides.

PM = Particulate matter.

* The annual emission limit (in tons per year) also represents a combined emission limit for both emergency electric generators.

(b) The permittee shall limit formaldehyde emissions from each engine/generator set to 2,000 ppbv, dry at 15% O₂ and 0.022 lb/hr. The Department may revise this emission limit based on the stack testing results.

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

[Additional authority for this plan approval condition is also derived from 40 C.F.R. §§ 60.4207(a) - (c) and 80.510(c).]

a) The diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for non-road diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

Throughput Restriction(s).**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The total amount of fuel used by both engines combined, shall not exceed 18,300 gals/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

The permittee shall monitor the following on a daily basis, when operating:

(a) The hours of operation.

(b) The amount of diesel fuel used (gallons).

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

The permittee shall maintain records of the following on a daily basis, when operating:

**SECTION D. Source Level Requirements**

- (a) The hours of operation.
- (b) The amount of diesel fuel used (gallons).

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

The permittee shall maintain records of emission calculations for NO_x, CO, VOC, SO_x, PM and formaldehyde for each generator set on a monthly and 12-month rolling basis, using Department-approved methods.

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

For each shipment of diesel fuel received for this engine, the permittee shall maintain records that the diesel fuel delivered to be used in the engine does not exceed the limits contained in Section D, Condition #005. The information can be obtained either by laboratory analysis or from the fuel supplier's certification:

- (a) The sulfur content; and
- (b) The cetane index or aromatic content.

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

This generator set is subject to 40 CFR Part 60, Subpart IIII, of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

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

The permittee shall calculate emissions of NO_x, CO, VOC, SO_x, PM and formaldehyde for each generator set on a monthly and 12-month rolling basis, using Department-approved methods.

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

[Additional authority for this condition is also derived from 40 CFR §§ 60.4206 and 4211(a).]

The permittee shall operate and maintain this source according to one of the following:

- (1) Manufacturer's written instructions, or
- (2) Permittee developed procedures that are approved by the engine manufacturer. The permittee may only change those settings that are permitted by the manufacturer.

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

[Additional authority for this plan approval condition is also derived from 40 C.F.R. § 60.4209(a).]

- a. Each engine shall be equipped with a non-resettable hour meter.
- b. Each engine shall be equipped with its own fuel meter.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is also derived from 40 C.F.R. §§ 60.4202(a)(2) and 60.4205(b).]

The permittee shall ensure that the engines of these generator sets are certified to the Tier 2 and opacity emission standards specified in 40 C.F.R. §§ 89.112(a) and 89.113(a)(1) - (3), respectively.

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

These electric generators shall only be used to provide emergency back up power and for periodic testing and routine maintenance purposes only.

VII. ADDITIONAL REQUIREMENTS.**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of two (2) 563 KW electric generator sets with the following rated specifications:

Make: Cummins

Engine Horsepower: 755 bhp (each)

Power Output: Maximum 563 KW (each)

Fuel Type: No. 2/Diesel fuel oil

Fuel Consumption: 36.6 gal/hr, diesel (each), or 73.2 gal/hr total

**SECTION D. Source Level Requirements**

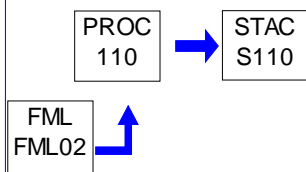
Source ID: 110

Source Name: MTU EGEN #1

Source Capacity/Throughput:

51.940 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

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

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

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

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

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

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the emission standards of 40 CFR 60.4205 (40 CFR 89.112, Table 1) and the GP9- 15-0024, which are:

NO_x + NMHC – 6.4 g/kw-hr (4.8 g/hp-hr)

CO – 2.7 g/kw-hr (2.0 g/hp-hr)

PM – 0.20 g/kw-hr (0.15 g/hp-hr)

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

The permittee shall use only diesel fuel as fuel for this source.

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

Additional authority for this plan approval condition is also derived from 40 C.F.R. §§ 60.4207(a) - (c) and 80.510(c).]

a) The diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for non-road diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

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

The permittee shall use only diesel fuel as fuel for this source.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(c), as listed below on a per gallon basis:

a. Maximum sulfur content = 15 parts per million (ppm)

b. Minimum cetane index = 40, or maximum aromatic content = 35 volume percent

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

The permittee shall keep records of one of the following:

(a) A copy of the certification, showing the percent sulfur in the fuel, the cetane index or aromatic content of the fuel, and name of the supplier, or

(b) The chemical analysis of the fuel oil sample, showing sample location and results.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

1. The permittee shall demonstrate compliance with the emissions standards having purchased an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.
2. The permittee shall keep records of engine manufacturer data indicating compliance with the emission standards.

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.**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall operate and maintain this source according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

[Compliance with this streamlined condition assures compliance with 40 CFR § 60.4211(a).]

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

This source shall be equipped with a non-resettable hour meter.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for non-emergency engines.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary compression ignition internal combustion engine according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for nonemergency engines.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of a MTU generator with diesel engine, model no. R123-8A36 12V2000 G84 3D The engine is rated at 986 BHP.

**SECTION D. Source Level Requirements**

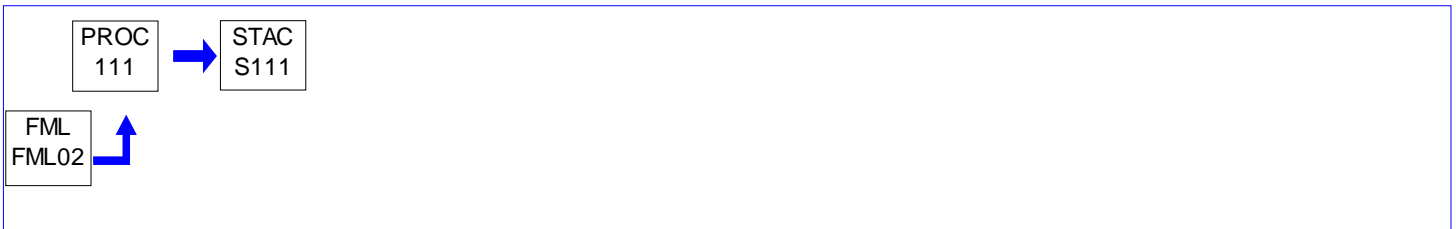
Source ID: 111

Source Name: MTU EGEN #2

Source Capacity/Throughput:

51.940 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

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

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

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

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

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

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the emission standards of 40 CFR 60.4205 (40 CFR 89.112, Table 1) and the GP9- 15-0024, which are:

NO_x + NMHC – 6.4 g/kw-hr (4.8 g/hp-hr)

CO – 2.7 g/kw-hr (2.0 g/hp-hr)

PM – 0.20 g/kw-hr (0.15 g/hp-hr)

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

The permittee shall use only diesel fuel as fuel for this source.

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

Additional authority for this plan approval condition is also derived from 40 C.F.R. §§ 60.4207(a) - (c) and 80.510(c).]

a) The diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for non-road diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

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

The permittee shall use only diesel fuel as fuel for this source.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(c), as listed below on a per gallon basis:

a. Maximum sulfur content = 15 parts per million (ppm)

b. Minimum cetane index = 40, or maximum aromatic content = 35 volume percent

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

The permittee shall keep records of one of the following:

(a) A copy of the certification, showing the percent sulfur in the fuel, the cetane index or aromatic content of the fuel, and name of the supplier, or

(b) The chemical analysis of the fuel oil sample, showing sample location and results.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

1. The permittee shall demonstrate compliance with the emissions standards having purchased an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

2. The permittee shall keep records of engine manufacturer data indicating compliance with the emission standards.

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.**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall operate and maintain this source according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

[Compliance with this streamlined condition assures compliance with 40 CFR § 60.4211(a).]

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

This source shall be equipped with a non-resettable hour meter.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for non-emergency engines.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary compression ignition internal combustion engine according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart III and must meet all requirements for nonemergency engines.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of a MTU generator with diesel engine, model no. R123-8A36 12V2000 G84 3D The engine is rated at 986 BHP.

**SECTION D. Source Level Requirements**

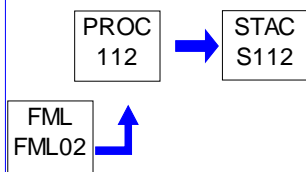
Source ID: 112

Source Name: EGEN CUMMINS (200KW)

Source Capacity/Throughput:

14.500 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

Sources 102, 103, 104, 105, 106, 108 and 112 shall not exceed the following combined NO_x emission limits:

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

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the emission standards in Table 1 of Subpart III, as listed below:

- NO_x + NMHC - 4.0 g/kW-hr, (3.0 g/hp-hr)
- CO - 3.5 g/kW-hr, (2.6 g/hp-hr)
- PM - 0.20 g/kW-hr, (0.15 g/hp-hr)

Fuel Restriction(s).**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(c), as listed below on a per gallon basis:

- Maximum sulfur content = 15 parts per million (ppm)
- Minimum cetane index = 40, or maximum aromatic content = 35 volume percent

II. TESTING REQUIREMENTS.**# 006 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

**SECTION D. Source Level Requirements**

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

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

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

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

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

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

1. The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.

2. The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of one of the following:

(a) A copy of the certification, showing the percent sulfur in the fuel, the cetane index or aromatic content of the fuel, and name of the supplier, or

(b) The chemical analysis of the fuel oil sample, showing sample location and results.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

1. The permittee shall maintain records of the amount of fuel used and the hours of operation for this source on a monthly basis.

2. The permittee shall perform and maintain records of NOx emissions calculations in units of lbs/hr, lbs/day, tons per ozone season, and tons per year on a monthly and 12-month rolling basis.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall operate and maintain this source according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

**SECTION D. Source Level Requirements**

[Compliance with this streamlined condition assures compliance with 40 CFR § 60.4211(a).]

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

This source shall be equipped with a non-resettable hour meter.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart IIII and must meet all requirements for non-emergency engines.

VII. ADDITIONAL REQUIREMENTS.

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

This source consists of a 200 KW Cummins generator with diesel engine, model no. DSGAE. The engine is rated at 303 BHP.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor			
031	BOILER 1			
Emission Limit				Pollutant
300.000	PPMV	at 3% O2		CO
30.000	PPMV	dry, at 3% O2, firing NG		NOX
1.200	Lbs/MMBTU			SO2
0.400	Lbs/MMBTU			TSP
032	BOILER 2			
Emission Limit				Pollutant
300.000	PPMV	at 3% O2		CO
30.000	PPMV	dry, at 3% O2, firing NG		NOX
1.200	Lbs/MMBTU			SO2
0.400	Lbs/MMBTU			TSP
034	BOILER 4			
Emission Limit				Pollutant
1.200	Lbs/MMBTU			SO2
0.400	Lbs/MMBTU			TSP
036	MISC GAS FIRED COMBUSTION SOURCES			
Emission Limit				Pollutant
1.200	Lbs/MMBTU			SO2
0.400	Lbs/MMBTU			TSP
037	BOILER 6			
Emission Limit				Pollutant
1.200	Lbs/MMBTU			SO2
0.400	Lbs/MMBTU			TSP
038	BOILER 7			
Emission Limit				Pollutant
1.200	Lbs/MMBTU			SO2
0.400	Lbs/MMBTU			TSP
101	750KW EGEN #9			
Emission Limit				Pollutant
0.320	Tons/Yr	12-month rolling		CO
0.060	Tons/Yr	12-month rolling		Hydrocarbon
2.770	Tons/Yr	12-month rolling		NOX
500.000	PPMV	dry basis		SO2
0.100	Tons/Yr	12-month rolling		SOX
0.040	gr/DRY FT3			TSP
0.080	Tons/Yr	12-month rolling		TSP

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
102	EGEN #4 (75 KW)		
Emission Limit		Pollutant	
2.750	Tons	Combined Limit, Ozone season	NOX
6.600	Tons/Yr	Combined Limit, 12-month rolling	NOX
100.000	Lbs/Hr	Combined Limit	NOX
1,000.000	Lbs/Day	Combined Limit	NOX
0.040	gr/DRY FT3		TSP
103	EGEN #5 (180 KW)		
Emission Limit		Pollutant	
2.750	Tons	Combined Limit, Ozone season	NOX
6.600	Tons/Yr	Combined Limit, 12-month rolling	NOX
100.000	Lbs/Hr	Combined Limit	NOX
1,000.000	Lbs/Day	Combined Limit	NOX
0.040	gr/DRY FT3		TSP
104	EGEN #6 (180 KW)		
Emission Limit		Pollutant	
2.750	Tons	Combined Limit, Ozone season	NOX
6.600	Tons/Yr	Combined Limit, 12-month rolling	NOX
100.000	Lbs/Hr	Combined Limit	NOX
1,000.000	Lbs/Day	Combined Limit	NOX
0.040	gr/DRY FT3		TSP
105	EGEN #7 (500 KW)		
Emission Limit		Pollutant	
8.500	GRAMS/HP-Hr		CO
1.000	GRAMS/HP-Hr		Hydrocarbon
2.750	Tons	Combined Limit, Ozone season	NOX
6.600	Tons/Yr	Combined Limit, 12-month rolling	NOX
6.900	GRAMS/HP-Hr		NOX
100.000	Lbs/Hr	Combined Limit	NOX
1,000.000	Lbs/Day	Combined Limit	NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
0.400	GRAMS/HP-Hr		TSP
106	EGEN #8 (350 KW)		
Emission Limit		Pollutant	
8.500	GRAMS/HP-Hr		CO
1.000	GRAMS/HP-Hr		Hydrocarbon
2.750	Tons	Combined Limit, Ozone season	NOX
6.600	Tons/Yr	Combined Limit, 12-month rolling	NOX
6.900	GRAMS/HP-Hr		NOX
100.000	Lbs/Hr	Combined Limit	NOX
1,000.000	Lbs/Day	Combined Limit	NOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Descriptor		
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
0.400	GRAMS/HP-Hr		TSP
108	EGEN 500 (250 KW)		
Emission Limit			Pollutant
8.500	GRAMS/HP-Hr		CO
1.000	GRAMS/HP-Hr		Hydrocarbon
2.750	Tons	Combined Limit, Ozone season	NOX
6.600	Tons/Yr	Combined Limit, 12-month rolling	NOX
6.900	GRAMS/HP-Hr		NOX
100.000	Lbs/Hr	Combined Limit	NOX
1,000.000	Lbs/Day	Combined Limit	NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3		TSP
0.400	GRAMS/HP-Hr		TSP
109	(2) 563 KW EGENS		
Emission Limit			Pollutant
0.220	Tons/Yr	12-month rolling sum, each and combined	CO
0.520	GRAMS/HP-Hr	each unit	CO
0.860	Lbs/Hr	each unit	CO
2.390	Tons/Yr	12-month rolling sum, each and combined	NOX
5.740	GRAMS/HP-Hr	each unit	NOX
9.550	Lbs/Hr	each unit	NOX
500.000	PPMV	dry basis	SO2
0.040	Tons/Yr	12-month rolling sum, each and combined	TSP
0.040	gr/DRY FT3		TSP
0.090	GRAMS/HP-Hr	each unit	TSP
0.150	Lbs/Hr	each unit	TSP
0.080	Tons/Yr	12-month rolling sum, each and combined	VOC
0.200	GRAMS/HP-Hr	each unit	VOC
0.330	Lbs/Hr	each unit	VOC
110	MTU EGEN #1		
Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX
111	MTU EGEN #2		
Emission Limit			Pollutant
500.000	PPMV	dry basis	SOX

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
112	EGEN CUMMINS (200KW)		
Emission Limit		Pollutant	
2.600	GRAMS/HP-Hr		CO
2.750	Tons	Combined Limit, Ozone season	NOX
6.600	Tons/Yr	Combined Limit, 12-month rolling	NOX
100.000	Lbs/Hr	Combined Limit	NOX
1,000.000	Lbs/Day	Combined Limit	NOX
0.040	gr/DRY FT3		TSP
0.150	GRAMS/HP-Hr		TSP

Site Emission Restriction Summary

Emission Limit		Pollutant
24.900 Tons/Yr	12-month rolling	NOX

**SECTION G. Miscellaneous.**

#001. This initial permit issuance is being processed under APS# 666661; AUTH# 758577, June 2009. General permit 15-302-098GP for the operation of two (2) 12.6 MMBtu/hr, dual-fired boilers, has been incorporated.

#002. This permit is being amended to incorporate plan approval 15-0132A, for a 750 kW electric generator #9. September 2010.

#003. This permit is being amended to incorporate plan approval 15-0132B, for two (2) 563 kW electric generators. April 2012. In addition, the following changes will also take place:

(a) Change in Responsible Official from Richard Kaplan, VP EH&S to Craig Heacock, Vice President CMC US GBP R&D.

(b) Source ID 031, Boiler 1 has been de-rated from 12.6 MMBtu/hr to 9.9 MMBtu/hr and can only be fired on natural gas. (RFD 2234)

(c) Source ID 032, Boiler 2 has been restricted to fire only natural gas.

#004. An operating permit renewal is being processed under APS No. 729171; and AUTH No. 1008684. The following changes have taken place:

(a) Incorporation of two (2) 5.1 MMBtu/hr natural gas-fired boilers (approved under RFD 2065). These units are identified Source ID 037 and 038.

(b) Source ID 032, Boiler 2 has been de-rated from 12.6 MMBtu/hr to 9.9 MMBtu/hr and can only be fired on natural gas. (RFD 3010).

(c) Sources 103 and 104, two (2) 2.5 MMBtu/hr natural gas-fired emergency generators, have had stack extensions added due of the construction of a lean-to structure covering both units. (RFD 2498).

(d) Source 033, a 6.0 MMBtu/hr natural gas-fired boiler has been permanently shut down and removed from the facility.

(e) Change in Responsible Official from Craig Heacock, Vice President CMC US GBP R&D to Robert McKean, PhD, Vice President Pharmaceutical Development.

(f) Permit renewal, AUTH #1261509. GP9-15-0024 incorporated into permit (source #110 and #111). Incorporated RFD 6596 - now source #112. RFD 5231, the addition of two (2) new Columbia MPH-50 natural gas-fired boilers each rated at 2.1 MMBtu/hr heat input added to Section G.



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