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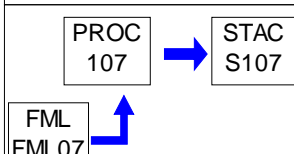
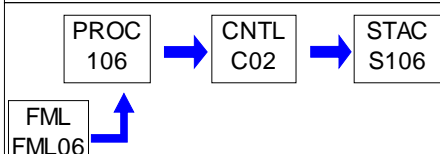
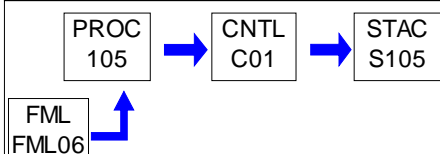
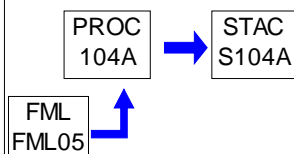
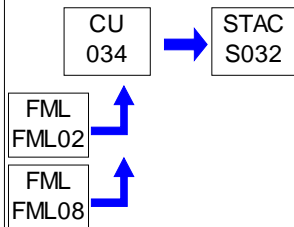
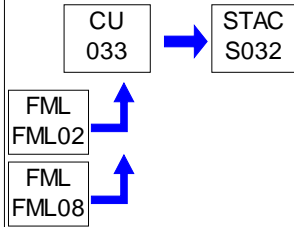
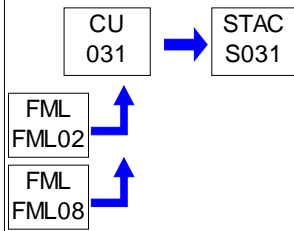
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER 1 (B21 A-K1)	31.000 MMBTU/HR	
		31.000 MMBTU/HR	Natural Gas
		221.430 Gal/HR	#2 Oil
033	BOILER 3 (B21 A-K3)	23.600 MMBTU/HR	
		23.600 MMBTU/HR	Natural Gas
		168.570 Gal/HR	#2 Oil
034	25 MMBTU BOILER (B21 A-K4)	25.000 MMBTU/HR	
		24.510 MCF/HR	Natural Gas
		180.000 Gal/HR	#2 Oil
103A	200 KW EMER GEN (446 HP ENG) NG CUMMINS GTA19 CC (B21-G1)	4.160 MMBTU/HR	
		4,075.000 CF/HR	Natural Gas
104A	200 KW EMER GEN (310 HP ENG) CUMMINS DSHAC (B60-IT)	2.250 MMBTU/HR	
		16.400 Gal/HR	Diesel Fuel
105	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-17 (B067-G1)	21.630 MMBTU/HR	
		157.900 Gal/HR	Diesel Fuel
106	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-17 (B067-G2)	21.630 MMBTU/HR	
		157.900 Gal/HR	Diesel Fuel
107	200 KW EMER GEN MTU 6R0120 (224 KW ENG) (B070-G1)	12.000 Gal/HR	Diesel Fuel
108	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-G17 (B067-G3)	150.000 Gal/HR	Diesel Fuel
202	SOLVENT CLEANING STATIONS	30.000 Gal/HR	SOLVENT
C01	SCR SYSTEM FOR SOURCE 105		
C02	SCR SYSTEM FOR SOURCE 106		
C03	SCR SYSTEM FOR SOURCE 108		
FML02	NATURAL GAS LINE		
FML05	275 GALLON DIESEL AST		
FML06	25,000 GALLON DIESEL AST		
FML07	400 GAL TANL FOR SOURCE 107		
FML08	20,000 GAL AST NO. 2 FUEL OIL		
S031	BOILER 1 STACK		
S032	COMBINED BOILERS 3&4 STACK		
S103A	200KW EMERG GEN STACK (B21-G1)		
S104A	200KW EMERG GEN STACK (B60-IT)		
S105	2,250 KW STANDBY EMERGENCY GENERATOR 1 STACK		
S106	2,250 KW STANDBY EMERGENCY GENERATOR 2 STACK		
S107	STACK FOR SOURCE 107		
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Z01	FUGITIVE EMISSIONS		

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)]**Permit Renewal.**

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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- (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**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution; and
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a) (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 (3) minutes in any one (1) hour.
- (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 any of the following instances:

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

**SECTION C. Site Level Requirements**

(c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions).

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

The permittee shall ensure that the total emissions of nitrogen oxides (NOx) from this facility shall not exceed 24.9 ton per year, as a twelve (12) month rolling sum.

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

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) 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, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, 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.
- (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);

**SECTION C. Site Level Requirements**

- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(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.

(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 (if applicable), complaints, monitoring results, and/or Department findings.

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

The permittee shall monitor the total nitrogen oxides (NOx) emissions from the facility on a monthly basis, and as a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.**# 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) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

014 [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.

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

The permittee shall calculate and maintain records of the total nitrogen oxides (NOx) emissions from the facility, on a monthly basis and as a 12-month rolling sum.

016 [25 Pa. Code §129.82]**Control of VOCs from gasoline dispensing facilities (Stage II)**

The owners or operators of gasoline dispensing facilities shall maintain records of monthly gasoline throughput, the type and duration of any failures of the system (Stage II Vapor Recovery System) and maintenance and repair records. The records shall be kept for at least five (5) years and shall be made available for inspection by the Department.

**SECTION C. Site Level Requirements****# 017 [25 Pa. Code §135.5]****Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code §§ 135.3 and 135.21 (relating to reporting; and emission statements). These 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
 - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
 - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
 - (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit

**SECTION C. Site Level Requirements**

the RMP or a revised plan pursuant to 40 CFR Part 68.

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

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
- (1) Name, permit or authorization number, and location of the facility;
 - (2) Nature and cause of the malfunction, emergency or incident;
 - (3) Date and time when the malfunction, emergency or incident was first observed;
 - (4) Expected duration of excess emissions;
 - (5) Estimated rate of emissions; and
 - (6) Corrective actions or preventative measures taken.
- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.
- (e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.
- (f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.
- (g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

020 [25 Pa. Code §135.3]**Reporting**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department

**SECTION C. Site Level Requirements**

may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 021 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 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.
- (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.

022 [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.

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures which may include the application for the installation of 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 this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

024 [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 this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

025 [25 Pa. Code §129.82]**Control of VOCs from gasoline dispensing facilities (Stage II)**

The owners or operators, or both, of gasoline dispensing facilities subject to the requirements of this section shall:

- (a) Install necessary Stage II vapor collection and control systems, provide necessary maintenance and make modifications necessary to comply with the requirements.
- (b) Provide adequate training and written instructions to the operator of the affected gasoline dispensing facility to assure proper operation of the system.
- (c) Immediately remove from service and tag any defective nozzle or dispensing system until the defective component is replaced or repaired. A component removed from service may not be returned to service until the defect is corrected. If the Department finds that a defective nozzle or dispensing system is not properly tagged during an inspection, the component may not be returned to service until the defect is corrected, and the Department approves its return to service.
- (d) Conspicuously post operating instructions for the system in the gasoline dispensing area which, at a minimum, include;

**SECTION C. Site Level Requirements**

(1) A clear description of how to correctly dispense gasoline with the vapor recovery nozzles utilized at the site.

(2) A warning that continued attempts to dispense gasoline after the system indicates that the vehicle fuel tank is full may result in spillage or recirculation of the gasoline into the vapor collection system.

026 [25 Pa. Code §129.82]**Control of VOCs from gasoline dispensing facilities (Stage II)**

The owners or operators of gasoline dispensing facilities shall comply with the functional testing and certification requirements specified in EPA's Stage II Enforcement and Technical Guidance Document developed under Section 182 of the Clean Air Act to meet the Clean Air Act requirements.

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.

#027 29-DEC-23

(a) The facility shall provide emissions data from a similar engine to the engine powering the 200 kW natural gas fueled generator, Source ID 103A, within 3 months of issuance of the permit.

(b) If the facility cannot provide the information required under Paragraph (a) of this milestone, the facility shall do the initial stack test of the 200 kW natural gas fuel generator, Source ID 103A, to satisfy the requirements of 40 CFR § 60.4243. Testing shall be done according to Conditions #005 and #006 under Section D, Source ID 103A. Testing shall be completed within 18 months of permit issuance. Subsequent testing is not required beyond the initial test.

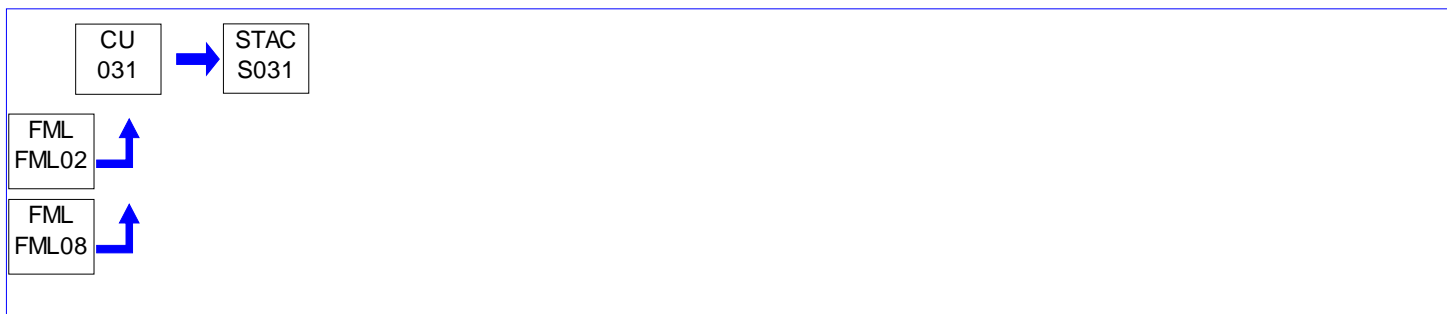
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: BOILER 1 (B21 A-K1)

Source Capacity/Throughput:	31.000	MMBTU/HR	
	31.000	MMCF/HR	Natural Gas
	221.430	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: BOILERS

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Boiler 1 (B21-A-K1) (Source ID: 031) is a 31 MMBtu/hr unit manufactured by Keeler Dorr-Oliver, model no. Keeler DK-10-9 VP-16 installed in 1958.

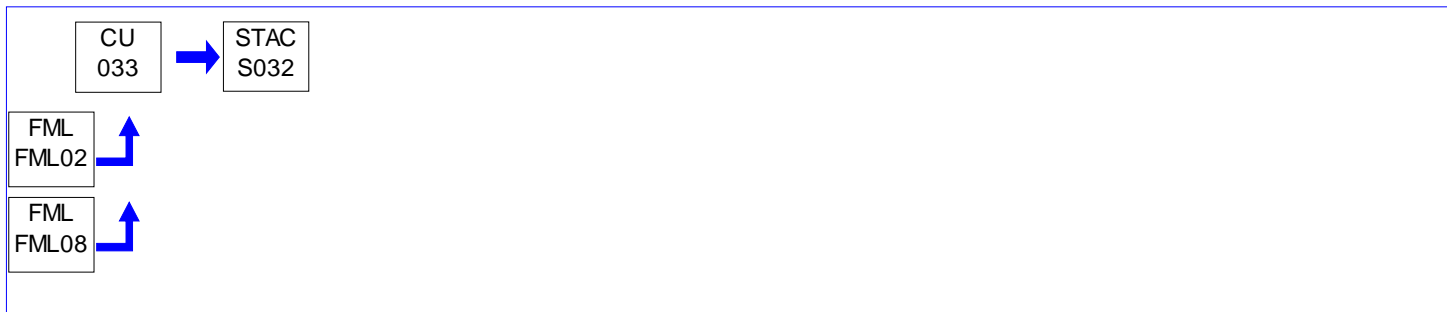
**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: BOILER 3 (B21 A-K3)

Source Capacity/Throughput:	23.600	MMBTU/HR	
	23.600	MMCF/HR	Natural Gas
	168.570	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: BOILERS

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Boiler 3 (B21-A-K3) (Source ID: 033) is a 23.6 MMBtu/hr unit manufactured by Keeler Dorr-Oliver, model no. Keeler WB-1-14 1/2 VP-14 installed in 1964.



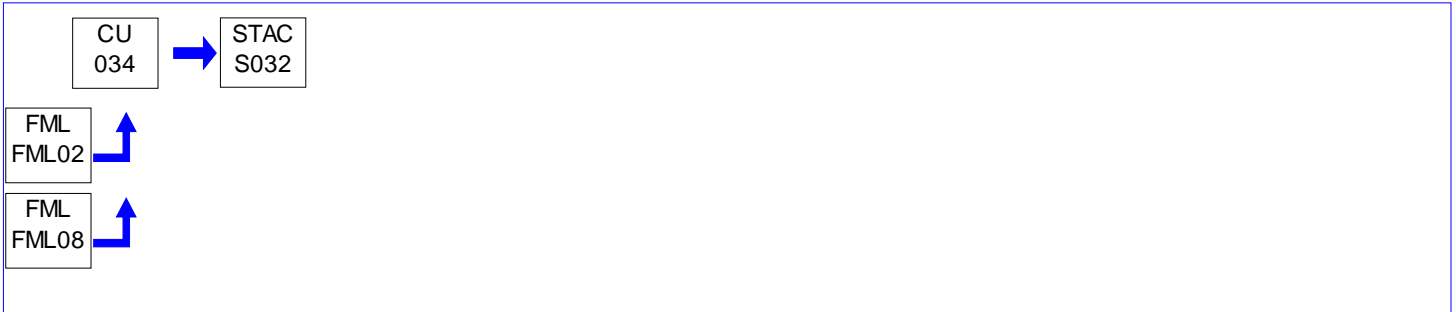
SECTION D. Source Level Requirements

Source ID: 034

Source Name: 25 MMBTU BOILER (B21 A-K4)

Source Capacity/Throughput:	25.000	MMBTU/HR	
	24.510	MCF/HR	Natural Gas
	180.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: BOILERS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

This boiler shall meet the following emissions limits:

- (a) 30 ppm_{dv} NO_x @ 3% O₂ when firing natural gas;
- (b) 90 ppm_{dv} NO_x @ 3% O₂ when firing No. 2 fuel oil; and
- (c) 300 ppm_{dv} CO @ 3% O₂ for all fuels.

[Authority for this condition from requirement of GP1-15-0110 used as a plan approval.]

II. TESTING REQUIREMENTS.

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

GP1-15-0110 used as a plan approval requires a source test to confirm compliance of Source ID 034 (Boiler B21 A-K4) with the following emissions limits:

- NO_x - 30 ppm_{dv} @ 3% O₂ when firing natural gas
- NO_x - 90 ppm_{dv} @ 3% O₂ when firing No. 2 fuel oil
- CO - 300 ppm_{dv} @ 3%O₂

A source test was conducted on 11/13/2023 and the source test report was received by DEP on 12/8/2023. The permittee's test report received on 12/8/2023 indicates that the source test results demonstrate compliance with plan approval requirements; however, DEP Source Testing Program has not completed a formal review of the source test report to determine if the test results are acceptable to use for compliance purposes at this time. Plan Approval No.GP1-15-0110 terms and conditions are incorporated into this permit based upon a preliminary review of the source test report. If DEP Source Testing Program determines that the source test is not acceptable to use for compliance purposes, the permittee will be required to retest in accordance with conditions specified in Plan Approval No. GP1-15-0110 and other such conditions, within the capacity of the equipment, which may be requested by DEP.

III. MONITORING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.**

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Boiler 4 (B21-A-K4) is a Cleaver Brooks, 2022 model FLX-200-2500-150ST, with a rated heat input of 25 MMBtu/hr and incorporates both Low NOx Burners and Flue Gas Recirculation (FGR) for emissions control.

**SECTION D. Source Level Requirements**

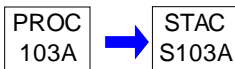
Source ID: 103A

Source Name: 200 KW EMER GEN (446 HP ENG) NG CUMMINS GTA19 CC (B21-G1)

Source Capacity/Throughput: 4.160 MMBTU/HR

4,075.000 CF/HR

Natural Gas

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

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

002 [25 Pa. Code §123.21]**General**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.14(a)(8).]

(a) The permittee shall ensure that the total, combined NO_x emissions from all exempted engines on site, currently Source IDs 103A and 104A, shall not exceed the following limits:

- (1) 100 lbs/hr
- (2) 1,000 lbs/day
- (3) 2.75 tons per ozone season, and
- (4) 6.6 tpy, as a 12-month rolling sum.

(b) If new engine containing equipment is installed under RFD or as an exempt engine, emissions from the engine shall be counted toward the limits in paragraph (a) of this condition.

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

The permittee shall ensure that the 200-kW Emergency Generator (Source ID: 103A) only burns natural gas when operating.

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

[Additionally authority from 40 CFR § 60.4243]

(a) The generator engine is subject to initial performance testing under 40 CFR § 60.4243(b)(2)(i). No subsequent performance testing is required unless the engine is rebuilt or undergo extensive repairs, which requiring the disassembly and reassembly of the engine, in order to extend the service life of the engine as defined in 40 CFR § 60.4243(f).

(b) The stack test shall, at a minimum, test for NO_x, CO and non-formaldehyde VOCs. Tests shall be conducted in accordance with the provisions of EPA Methods 7, 10, ALT-106 or other Department approved methodology and 25 Pa. Code Chapter 139. Tests shall also be conducted in accordance with the provisions of the current version of the DEP

**SECTION D. Source Level Requirements**

Source Testing Manual and the EPA Clean Air Act National Stack Testing Guidance.

(c) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies) an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- For protocols, provide the proposed date on which testing will commence or "TBD"
- For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Identification Requirements:

- Operating permit number: 15-00095
- Applicable federal subpart: 40 CFR § 60 Subpart JJJJ

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

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

[Additional authority from 40 CFR § 60.4243(d)]

**SECTION D. Source Level Requirements**

The permittee shall monitor the following for the 200-kW Emergency Generator (Source ID: 103A):

- (a) The emissions of VOC, NO_x, and CO on a monthly basis and 12-month rolling basis
- (b) The number of hours spent for emergency operation and reason for operation.
- (c) The number of hours spent for non-emergency usage and reason for operation.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority from 40 CFR § 60.4243(d)]

The permittee shall maintain records of the following for the 200-kW Emergency Generator (Source ID: 103A):

- (a) The emissions of VOC, NO_x, and CO on a monthly basis and 12-month rolling basis
- (b) The number of hours spent for emergency operation and reason for operation.
- (c) The number of hours spent for non-emergency usage and reason for operation.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

- (a) The permittee shall maintain records of all testing, maintenance and repairs perform on this generator engine.
- (b) The permittee shall maintain all records necessary to show compliance with the engine emissions standards in Condition #011 under this Section D source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]

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

[Additional authority from 40 CFR §§ 60.4233(e) and 60.4234]

The engine powering this generator must meet the following emissions limits for the life of the engine:

NO_x – 2.0 g/hp-hr
 CO – 4.0 g/hp-hr
 VOC* - 1.0 g/hp-hr

*- under 40 CFR § 60 Subpart JJJJ, Table 1, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

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

**SECTION D. Source Level Requirements****What are my compliance requirements if I am an owner or operator of a stationary SI 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 60.4243(d).
- (b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 60.4243(d), the engine will not be considered an emergency engine under 40 C.F.R. Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

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

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

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

The emergency generator engine is a 446 HP 2009 Cummins natural gas engine, model number GTA19G1, and is used to provide emergency power to the boiler room.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

For an engine to be classified emergency, it may be operated only according to the following:

- (a) The engine may be operated for an unlimited time during an emergency.
- (b) The engine may be operated for up to 100 hr/yr for recommended maintenance and readiness checks.
- (c) The engine may operate for 50 hr/yr for non-emergency use as long as the following conditions are met:
- (1) The operation is counted toward the 100 hr/yr limit in paragraph (b).
 - (2) The engine is not operated for peak shaving or other revenue generating financial arrangement except when all the following conditions are met:
 - (i) The engine is dispatched by the local transmission and distribution authority.
 - (ii) The dispatched operation is intended to prevent voltage collapse or line overload that could lead to interruption of the local or regional electrical supply.
 - (iii) The dispatch follows the reliability, emergency or similar protocols that follow specific NERC, utility commission, state or regional standards or guidelines
 - (iv) The engine is operated to power only the facility itself or support the local transmissions and distribution system.
 - (v) The facility shall identify and record entity that dispatched the engine and under what standard or guidelines was it dispatched. The local transmission and distribution authority may maintain these records on the behalf of the facility.

**SECTION D. Source Level Requirements**

[Information above is derived from 40 CFR § 60.4243(d) on 11/09/2023 and is provided as courtesy. The permittee is responsible to comply with the most recent version of the regulation.]

**SECTION D. Source Level Requirements**

Source ID: 104A

Source Name: 200 KW EMER GEN (310 HP ENG) CUMMINS DSHAC (B60-IT)

Source Capacity/Throughput:

2.250 MMBTU/HR

16.400 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: UNDER 560 KW DIESEL GEN

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.14(a)(8).]

(a) The permittee shall ensure that the total, combined NO_x emissions from all exempted engines on site, currently Source IDs 103A and 104A, shall not exceed the following limits:

- (1) 100 lbs/hr
- (2) 1,000 lbs/day
- (3) 2.75 tons per ozone season, and
- (4) 6.6 tpy, as a 12-month rolling sum.

(b) If new engine containing equipment is installed under RFD or as an exempt engine, emissions from the engine shall be counted toward the limits in paragraph (a) of this condition.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The emergency generator engine is a 2008 365 HP Cummins, model number QSL9-G2, NR3 Tier 3 certified (certificate CEX-NRCI-08-38), and is used to provide backup power to the Nuttery Building Data Center.

This engine has the following emissions from Tier 3 certification testing:

NO_x - 3.2 g/kW-hr (2.38 g/bhp-hr)

CO - 1.2 g/kW-hr (0.89 g/bhp-hr)

PM - 0.15 g/kW-hr (0.11 g/bhp-hr)

**SECTION D. Source Level Requirements**

CO - 0.9 g/kW-hr (0.67 g/bhp-hr)
PM - 0.07 g/kW-hr (0.05 g/bhp-hr)

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is consisted a standby, non-emergency unit and as such must comply with all the applicable part of 40 CFR Part 60 Subpart IIII and Part 63 Subpart ZZZZ.

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: 2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-17 (B067-G2)

Source Capacity/Throughput: 21.630 MMBTU/HR

157.900 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: 2,250 KW GEN

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source, Source ID 106, consists of a standby generator equipped with a 2016 Cummins 2,447 kW (3,282HP) model QSK60-G17 Tier 4 certified (certificate GCEXL60.0AAB-28) engine with NOx controlled by a Cummins model CA452 Selective Catalytic Reduction unit. The SCR uses a vanadium pentoxide catalyst and diesel injection fluid (DEF) which consists of 32.5% urea.

This engine with controls has the following emissions from Tier 4 certification testing :

NOx - 0.51 g/kW-hr (0.38 g/bhp-hr)

NMHC - 0.01 g/kW-hr (0.007 g/bhp-hr)

**SECTION D. Source Level Requirements**

CO - 0.9 g/kW-hr (0.67 g/bhp-hr)
PM - 0.07 g/kW-hr (0.05 g/bhp-hr)

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is consisted a standby, non-emergency unit and as such must comply with all the applicable part of 40 CFR Part 60 Subpart IIII and Part 63 Subpart ZZZZ

**SECTION D. Source Level Requirements**

Source ID: 107 Source Name: 200 KW EMER GEN MTU 6R0120 (224 KW ENG) (B070-G1)
 Source Capacity/Throughput: 12.000 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: UNDER 560 KW DIESEL GEN

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This MTU Onsite Engergy generator consists of a 2019 268 HP (200kW) Mercedes Benz Tier 3 certified engine (certificate KMBXL07.2RJC-010), model OM926LA located at the production greenhouses.

This engine has the following emissions from Tier 3 certification testing:

NOx - 3.23 g/kW-hr (2.41 g/bhp-hr)

NMHC - 0.07 g/kW-hr (0.05 g/bhp-hr)

CO - 1.4 g/kW-hr (1.04 g/bhp-hr)

PM - 0.13 g/kW-hr (0.10 g/bhp-hr)

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: 2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-G17 (B067-G3)

Source Capacity/Throughput: 150.000 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: 2,250 KW GEN

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source, Source ID 108, consists of a standby generator equipped with a 2023 Cummins 2,447 kW (3,282HP) model QSK60-G17 Tier 4 certified (certificate PCEXL78.0AAA-003) engine with NO_x controlled by a Cummins model CA452 Selective Catalytic Reduction unit. The SCR uses a vanadium pentoxide catalyst and diesel injection fluid (DEF) which consists of 32.5% urea.

This engine with controls has the following emissions from Tier 4 certification testing:

NO_x - 0.54 g/kW-hr (0.403 g/bhp-hr)

NMHC - 0.02 g/kW-hr (0.015 g/bhp-hr)

**SECTION D. Source Level Requirements**

CO - 1.4 g/kW-hr (1.044 g/bhp-hr)
PM - 0.001 g/kW-hr (0.0007 g/bhp-hr)

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is consisted a standby, non-emergency unit and as such must comply with all the applicable part of 40 CFR Part 60 Subpart IIII and Part 63 Subpart ZZZZ.

**SECTION D. Source Level Requirements**

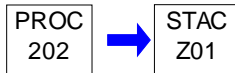
Source ID: 202

Source Name: SOLVENT CLEANING STATIONS

Source Capacity/Throughput:

30.000 Gal/HR

SOLVENT

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) Except for those subject to the federal National Emissions Standards for Hazardous Air Pollutants (NESHAP) for halogenated solvent cleaners under §40 CFR 63, this subsection applies to cold cleaning machines that use two (2) gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

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

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

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

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

**SECTION D. Source Level Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

(6) A person who operates a cold cleaning machine shall maintain for at least two (2) years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Safety Data Sheet (SDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Solvent Cleaning Stations (Source ID: 202) consists of the following:

(a) Maintenance Shop consisting of two (2) cleaning stations with the following:

**SECTION D. Source Level Requirements**

- (1) One (1) 16-gallon station
- (2) One (1) 7.27-gallon station
- (3) One (1) 30-gallon drum

(b) Boiler Room consisting of one (1) cleaning station with the following:

- (1) One (1) 26-gallon station
- (2) One (1) 30-gallon drum

(c) Main Fountain Garden Pump House consisting of one (1) cleaning station with the following:

- (1) One (1) 30-gallon drum

**SECTION E. Source Group Restrictions.**

Group Name: 2,250 KW GEN

Group Description: All generators with engines equal to or greater than 2,447 kW (3282 HP) output

Sources included in this group

ID	Name
105	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-17 (B067-G1)
106	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-17 (B067-G2)
108	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-G17 (B067-G3)

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 a source in this group in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

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

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

The permittee shall ensure that the engines in this group burn only diesel fuel when operating.

004 [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**

(a) The engines in this group may only use diesel fuel meeting the following:

- (1) Maximum sulfur content = 15 ppm; and
- (2) Minimum cetane index = 40 or Maximum aromatic content = 35 % by volume

[Fuel supplier certifications may be used to demonstrate compliance with these standards. Compliance with the requirements of the paragraph above also demonstrates compliance with the applicable requirements of 25 Pa. Code § 123.21.]

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

The permittee shall ensure that the each engine in this group is not be operated for more than 500 hours per generator, per year, as a twelve (12) month rolling sum.

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

[Additional authority for this condition comes from the General Permits 2700-PM-AQ0209 6/2006, GP-9 Condition 7(b)(II)]

Ammonia slip from the SCR of any engine in this group shall be limited to 10 ppm or less corrected at 15% O₂.

**SECTION E. Source Group Restrictions.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure the attached SCR NOx control is operated whenever a generator in this group is operated.

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

(a) The permittee shall perform stack tests on engines in this group according to the following:

(1) One engine shall be tested every five (5) years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later.

(2) No one engine shall be tested repeatedly for each consecutive five (5) year period. The permittee must alternate between engines for stack tests.

(3) Each engine must be tested at least once in the 15 year period (three 5-year periods).

(4) If the permittee fails to comply with Condition #014 of Section E group, all engines shall be subject to stack testing as required under 40 CFR 60.4211(g)(3) and for all subsequent stack tests, all engines will need to be tested in the same 5-year period.

(b) In accordance with 25 Pa. Code § 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(c) The stack test shall, at a minimum, test for NOx, CO, and VOC. Tests shall be conducted in accordance with the provisions of EPA Methods 7,10, 25 or other Department approved methodology and 25 Pa. Code Chapter 139. Tests shall also be conducted in accordance with the provisions of the current version of the DEP Source Testing Manual and the EPA Clean Air Act National Stack Testing Guidance.

(d) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(e) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(f) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(g) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office

**SECTION E. Source Group Restrictions.**

RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Identification Requirements:

- (a) Operating permit number: 15-00095
- (b) Applicable federal subpart: 40 CFR § 60 Subpart IIII

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the emissions of nitrogen oxide (NOx) and carbon monoxide (CO) from each generator in this group on a monthly basis and as a twelve (12) month rolling sum.

(b) The permittee shall monitor the hours of operation for each generator in this group on a monthly basis and as a twelve (12) month rolling sum.

(c) The permittee shall monitor the fuel usage for each generator in this group on a daily and monthly basis, when operated.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and maintain records of the emissions of nitrogen oxide (NOx) and carbon monoxide (CO) from each generator in this group on a monthly basis and as a twelve (12) month rolling sum.

(b) The permittee shall maintain records of the hours of operation for each generator in this group on a monthly basis and as a twelve (12) month rolling sum.

(c) The permittee shall maintain records of the fuel usage for each generator in this group on a daily and monthly basis, when operated.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority from 40 CFR § 60.4211(g)]

The permittee shall maintain records of all testing, maintenance and repairs perform on generator engines in this group.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The generator engines in this group must meet the following emissions limits for the life of the engines:

NO_x – 0.67 g/kW-hr
CO – 3.5 g/kW-hr
NMHC (VOC) – 0.19 g/kW-hr
PM* – 0.10 g/kW-hr

* - PM limit is based on allowable Family Emission Limit (FEL) under 40 CFR Part 1039.

[Additional authority from 40 CFR §§ 60.4201 and 60.4206. Compliance with this condition is satisfied by purchase, proper installation and configuration of a an engine certified to the limits.]

**# 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?**

[Additional authority from 40 CFR § 60.4211(g)(3)]

The permittee shall do the following for each engine in this group:

(a) The permittee shall install, configure, operate, and maintain the engines and control devices according to the manufacturer's emission-related written instructions. The permittee may only change emission-related settings in a way that is permitted by the manufacturer.

(b) Failure to follow the requirement in paragraph (a) of this condition for each engine will result in the permittee being required to conduct a stack test on the non-compliant engine within 1 year of failure to comply with paragraph (a) and to conduct subsequent stack test every 8,760 operating hours or 3 years, whichever comes first, for all engines in this group.

VII. ADDITIONAL REQUIREMENTS.

**# 015 [25 Pa. Code §129.203]
Stationary internal combustion engines.**

The owner or operator of a stationary internal combustion engine rated at greater than 1,000 horsepower and located in Bucks, Chester, Delaware, Montgomery or Philadelphia County shall comply with this section and 25 Pa. Code § 129.204 (relating to emission accountability).

(a) By October 31 of each year, the permittee shall calculate the difference between the actual emissions from each unit during the period from May 1 through September 30, and the allowable emissions for the same period.

(b) The permittee shall calculate allowable emissions by multiplying the cumulative hours of operations for each unit for the period by the horsepower rating of the unit and by 2.3 grams of NO_x per brake horsepower-hour for diesel fueled engines.

**# 016 [25 Pa. Code §129.204]
Emission accountability.**

The following is applicable to stationary internal combustion engines greater than 1,000 HP and located in Bucks, Chester,

**SECTION E. Source Group Restrictions.**

Delaware, Montgomery or Philadelphia County:

(a) If the affected source(s) has NO_x CEMS, the permittee shall determine actual emissions in accordance with the CEMS data reported to the Department. Any data invalidated under Chapter 139 (relating to sampling and testing) shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

(b) If the permittee is not required to monitor NO_x emissions with a CEMS, one of the following shall be used to determine actual emissions of NO_x:

(1) The 1-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NO_x.

(2) The maximum hourly allowable NO_x emission rate contained in the permit or the higher of the following:

(i) The highest rate determined by use of the emission factor for the unit class contained in the most up-to-date version of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors."

(ii) The highest rate determined by use of the emission factor for the unit class contained in the most up-to-date version of EPA's "Factor Information Retrieval (FIRE)" data system.

(3) CEMS data, if the permittee elects to monitor NO_x emissions with a CEMS. The permittee shall monitor emissions and report the data from the CEMS in accordance with Chapter 139 or Chapter 145 (relating to interstate pollution transport reduction). Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

(4) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The permittee shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. In regard to obtaining the Department's approval for an alternate calculation method and recordkeeping procedure for actual emissions, the permittee may request an adjustment to the allowable emissions calculations set forth in § 129.201—129.203. An allowable emission adjustment may not overestimate a unit's allowable emissions and must be based upon the parameters and procedures proposed in the alternate calculation method for actual emissions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

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

The following applies to the total excessive emissions, as calculated for each engine by the methods stated in Conditions and of the Section E 2,250 kW GEN group:

(a) 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.

(b) If the combined allowable emissions from units subject to this section at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this section at the facility during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual emissions from units subject to this section at the permittee's other facilities.

(c) By November 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.

**SECTION E. Source Group Restrictions.**

(d) If the permittee fails to comply with subsection (c), the permittee shall by December 31 surrender three NOx allowances of the current or later year vintage for each NOx allowance that was required to be surrendered by November 1 of that year.

(e) The surrender of NOx allowances under subsection (d) does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered.

(2) Each ton of excess emissions is a separate violation.

[Note: On July 6, 2011, EPA promulgated the Cross-State Air Pollution Rule (CSAPR) to replace CAIR. The CSAPR provisions of 40 CFR Part 97, Subpart AAAAA (relating to CSAPR NOx Annual Trading Program), replaced the provisions of 40 CFR Part 96, Subpart AA (relating to CAIR NOx Annual Trading Program General Provisions), and remain in effect. On October 26, 2016, EPA promulgated the CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart EEEEE (relating to CSAPR NOx Ozone Season Group 2 Trading Program), to replace the previously-established CAIR NOx Ozone Season Trading Program and CSAPR NOx Ozone Season Group 1 Trading Program for certain states, including Pennsylvania, beginning with the 2017 ozone season. On April 30, 2021, EPA promulgated the Revised CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart GGGGG (relating to CSAPR NOx Ozone Season Group 3 Trading Program), to replace the provisions of 40 CFR Part 97, Subpart EEEEE, for certain states, including Pennsylvania, beginning with the 2021 ozone season (though DEP will accept CSAPR NOx Ozone Season Group 2 allowances of current year vintage from other states, if available). Accordingly, the permittee shall surrender CSAPR NOx Annual allowances and either CSAPR NOx Ozone Season Group 2 allowances or CSAPR NOx Ozone Season Group 3 allowances, as defined in 40 CFR §§ 97.402, 97.802, and 97.1002, respectively, instead of the CAIR NOx allowances and CAIR NOx Ozone Season allowances indicated in 25 Pa. Code § 129.204(c), as the latter are no longer available.]

**SECTION E. Source Group Restrictions.**

Group Name: BOILERS

Group Description: All Boilers greater than 10 MMBtu and less than 100 MMBtu

Sources included in this group

ID	Name
031	BOILER 1 (B21 A-K1)
033	BOILER 3 (B21 A-K3)
034	25 MMBTU BOILER (B21 A-K4)

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 any combustion unit in this group 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**

A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit in this group in excess of 1.2 pounds per million Btu of heat input, in accordance with 25 Pa. Code § 123.22(e)(1).

[Compliance with the fuel sulfur content requirements of 25 Pa Code § 123.22(e)(2)(i) ensure compliance with this condition.]

Fuel Restriction(s).**# 003 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2 fuel oil, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

[Compliance with this condition assures compliance with the sulfur emission rate of 1.2/1.0 lb SO₂/MMBtu as found in 25 Pa. Code § 123.22(e)(1) for the outer/inner zone, while firing No. 2 fuel oil and with federal regulation 40 CFR § 60.42c(d).]

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

The permittee shall use only natural gas as the primary and No. 2 fuel oil as a backup fuel for all sources in this group.

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

[Authority for this permit condition is derived from 25 Pa. Code § 127.35 and 40 CFR § 63.11195(e).]

(a) This boiler shall burn gaseous fuels not combined with any solid fuels, and liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

(b) Fuel switching from natural gas to solid fossil fuel, biomass, or liquid fuel, except for reasons stated above, will result in the facility being subject to the requirements of 40 CFR Part 63 Subpart JJJJJJ: National Emission Standards for Hazardous

**SECTION E. Source Group Restrictions.**

Air Pollutants for Industrial, Commercial, and Institutional Boilers located at Area Sources.

II. TESTING REQUIREMENTS.**# 006 [25 Pa. Code §123.22]****Combustion units**

The actual sulfur content of commercial fuel oil shall be determined:

- (a) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or
- (b) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

007 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

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

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

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

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

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

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

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

The permittee shall monitor the following for each boiler in this source group on a daily basis, when operating:

- (a) The amount and type of fuel used.
- (b) The hours of operation.

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §123.22]****Combustion units**

(A) The permittee shall maintain in electronic or paper format the record provided by the transferor for the shipment of commercial fuel oil as it changed hands to the permittee (ultimate consumer). This record must legibly and conspicuously contain the following information, in accordance with 25 Pa. Code § 123.22(g)(1) and (5):

- (1) The date of the sale or transfer.
- (2) The name and address of the transferor.
- (3) The name and address of the transferee.
- (4) The volume of commercial fuel oil being sold or transferred.

**SECTION E. Source Group Restrictions.**

(5) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1) and § 139.16, expressed as one of the following statements:

(a). For a shipment of No. 2 and lighter commercial fuel oil:

i. Prior to September 1, 2020 -“The sulfur content of this shipment is 500 ppm or below.”

ii. On and after September 1, 2020 -“The sulfur content of this shipment is 15 ppm or below.”

(6) The location of the commercial fuel oil at the time of transfer.

(C) The permittee shall provide an electronic or written copy of the commercial fuel oil shipment record to the Department upon request, in accordance with 25 Pa. Code § 123.22(g)(4)(ii).

(B) In the event that a delivery is made, and no receipt is obtained, the permittee shall perform testing in accordance with Condition #007, of Section E, Boilers source group.

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

The permittee shall maintain records of the following for each boiler in this source group on a daily basis, when operating:

(a) The amount and type of fuel used.

(b) The hours of operation.

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

Each adjustment conducted under the tune-up procedures for each source in this group, shall be recorded in a paper log book or in a Department approved electronic equivalent, and contain the following:

(a) the date of the tuning procedure;

(b) the name of the service company and technician;

(c) the final operating rate or load;

(d) the final CO and NOx emission rates; and

(e) the final excess oxygen rate.

V. REPORTING REQUIREMENTS.**# 012 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

Results of the fuel oil sulfur test shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

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

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

(1) inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer;

(2) inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO; and

(3) inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: UNDER 560 KW DIESEL GEN

Group Description: All diesel engines rated between 130 and 560 kW Tier 3 rated

Sources included in this group

ID	Name
104A	200 KW EMER GEN (310 HP ENG) CUMMINS DSHAC (B60-IT)
107	200 KW EMER GEN MTU 6R0120 (224 KW ENG) (B070-G1)

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 an engine in this group in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

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

Fuel Restriction(s).**# 003 [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**

(a) The engines in this group may only use diesel fuel meeting the following:

- (1) Maximum sulfur content = 15 ppm; and
- (2) Minimum cetane index = 40 or Maximum aromatic content = 35 % by volume

[Fuel supplier certifications may be used to demonstrate compliance with these standards. Compliance with the requirements of the paragraph above also demonstrates compliance with the applicable requirements of 25 Pa. Code § 123.21.]

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.**

[Additional authority from 40 CFR § 60.4211(f)]

The permittee shall monitor the following for each generator in this group:

- (a) The emissions of VOC, NO_x, and CO on a monthly basis and 12-month rolling basis
- (b) The fuel usage on a monthly basis.
- (c) The number of hours spent for emergency operation and reason for operation.
- (d) The number of hours spent for non-emergency usage and reason for operation.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority from 60.4211(g)(2)]

(a) The permittee shall maintain records of all certifications, testing, maintenance and repairs perform on this generator engine.

(b) The permittee shall retain fuel delivery receipt and/or testing results that are used to demonstrate compliance with Condition #003 in this Section E Group - Under 560 KW Diesel Gen.

(c) All records shall be maintain for a minimum of 5 years in digital or paper format.

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

[Additional authority from 40 CFR § 60.4211(f)]

The permittee shall maintain records of the following for each engine in this group:

(a) The emissions of VOC, NO_x, and CO on a monthly basis and 12-month rolling basis

(b) The fuel usage on a monthly basis.

(c) The number of hours spent for emergency operation and reason for operation.

(d) The number of hours spent for non-emergency usage and reason for operation.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall operate and maintain a non-resettable hour meter on each generator of engines in this group.

008 [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?**

[Additional authority from 40 CFR §§ 60.4202 and 60.4206]

The engine powering this generator must meet the following emissions limits for the life of the engine:

NO_x+NMHC – 4.0 g/kW-hr

CO – 3.5 g/kW-hr

PM – 0.20 g/kW-hr

[Compliance with this condition is satisfied by purchase, proper installation and configuration of a an engine certified to the limits.]

009 [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?**

[Authority derived from 40 CFR § 60.4211(a.)]

a. The permittee shall at all times, operate and maintain these source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices for the minimizing emissions.

**SECTION E. Source Group Restrictions.**

- b. The permittee may develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of these engines in a manner consistent with good air pollution control practice for minimizing emissions.
- c. The permittee shall change only emissions related settings in a way that is permitted by the manufacturer.

010 [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.Es. 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 these engines according to the requirements of 40 C.F.R. Section 60.4211(f), these engines will not be considered emergency engines under 40 C.F.R. Part 60 Subpart III and must meet all requirements for non-emergency engines.

011 [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.**# 012 [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?**

For an engine to be classified emergency, it may be operated only according to the following:

- (a) The engine may be operated for an unlimited time during an emergency.
- (b) The engine may be operated for up to 100 hr/yr for recommended maintenance and readiness checks.
- (c) The engine may operate for 50 hr/yr for non-emergency use as long as the following conditions are met:
 - (1) The operation is counted toward the 100 hr/yr limit in paragraph (b).
 - (2) The engine is not operated for peak shaving or other revenue generating financial arrangement except when all the following conditions are met:
 - (i) The engine is dispatched by the local transmission and distribution authority.
 - (ii) The dispatched operation is intended to prevent voltage collapse or line overload that could lead to interruption of the local or regional electrical supply.
 - (iii) The dispatch follows the reliability, emergency or similar protocols that follow specific NERC, utility commission, state or regional standards or guidelines
 - (iv) The engine is operated to power only the facility itself or support the local transmissions and distribution system.
 - (v) The facility shall identify and record entity that dispatched the engine and under what standard or guidelines was it dispatched. The local transmission and distribution authority may maintain these records on the behalf of the facility.

[Information above is derived from 40 CFR § 60.4211(f) on 11/09/2023 and is provided as courtesy. The permittee is responsible to comply with the most recent version of the regulation.]

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
031	BOILER 1 (B21 A-K1)		
Emission Limit			
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
033	BOILER 3 (B21 A-K3)		
Emission Limit			
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
034	25 MMBTU BOILER (B21 A-K4)		
Emission Limit			
1.200	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
103A	200 KW EMER GEN (446 HP ENG) NG CUMMINS GTA19 CC (B21-G1)		
Emission Limit			
2.750	Tons/OZNESEAS	total, exempted ICE	NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr	total, exempted ICE	NOX
1,000.000	Lbs/Day	total, exempted ICE	NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
104A	200 KW EMER GEN (310 HP ENG) CUMMINS DSHAC (B60-IT)		
Emission Limit			
2.750	Tons/OZNESEAS	total, exempted ICE	NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr	total, exempted ICE	NOX
1,000.000	Lbs/Day	total, exempted ICE	NOX
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP
105	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-17 (B067-G1)		
Emission Limit			
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
106	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-17 (B067-G2)		
Emission Limit			
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor
107	200 KW EMER GEN MTU 6R0120 (224 KW ENG) (B070-G1)
Emission Limit	
500.000 PPMV	Pollutant SOX
0.040 gr/DRY FT3	TSP
108	2,250 KW GEN (2447 KW ENG) CUMMINS QSK60-G17 (B067-G3)
Emission Limit	
500.000 PPMV	dry basis Pollutant SOX
0.040 gr/DRY FT3	particulate matter TSP

Site Emission Restriction Summary

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

**SECTION H. Miscellaneous.**

(a) The following previously plan approvals, operating permits and Request For Determinations (RFD) serve as the basis for certain terms and conditions in this State Only Operating Permit No. 15-00095:

- (1) RFD No. 1013 (2-200 kW Emergency Generators)
- (2) Plan Approval No. PA-15-0095B (2-800 kW Emergency Generators)
- (3) GPA/GOP GP9-15-0028 (2-2,250 kW Diesel Fuel-Fired Internal Combustion Engines)

(b) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C of this permit, do not require limitations, monitoring, or recordkeeping:

Group 001 - Natural Gas Fired External Combustion Units (Rated Cap.<3 MMBtu/hr)

- (1) 2.1 MMBtu/hr natural gas boiler - Pierce DuPont house and garage
- (2) 2.2 MMBtu/hr natural gas boiler - Visitor's Center
- (3) 2-2.207 MMBtu/hr natural gas boilers - Greenhouse #36
- (4) 2.597 MMBtu/hr natural gas boiler - Maintenance Shop (Rt. 926)
- (5) 0.72 MMBtu/hr natural gas boiler - Maintenance Shop (Rt. 926)
- (6) 1.155 MMBtu/hr natural gas boiler - Open Air Theatre Dressing Room
- (7) 0.35 MMBtu/hr propane boiler - Webb Barn (Rte. 1 & 52)
- (8) 0.4 MMBtu/hr natural gas boiler - Nursery (Rte. 1 & 52)
- (9) 2-0.15 MMBtu/hr natural gas boiler - Nursery (Rte. 1 & 52)
- (10) 1.589 MMBtu/hr natural gas boiler - Dorm Corner (Rte. 1 & 52)
- (11) 0.8 MMBtu/hr natural gas boiler - Restaurant cooking
- (12) 0.1 MMBtu/hr natural gas boiler - Vegetable Garden
- (13) 10-0.491 MMBtu/hr natural gas boilers - Red Lion Dormitories
- (14) 8-0.17 MMBtu/hr natural gas heaters - Nursery Greenhouses
- (15) 4 -0.2 MMBtu/hr natural gas heaters - Nursery Greenhouses
- (16) 0.305 MMBtu/hr natural gas heaters - Open Air Theatre
- (17) 0.05 MMBtu/hr natural gas hot water heater - Open Air Theatre
- (18) 2 -0.05 MMBtu/hr natural gas heaters - Fountain Gardens
- (19) 0.175 MMBtu/hr natural gas heaters - Fountain Gardens
- (20) 0.3 MMBtu/hr natural gas heaters - Fountain Gardens
- (21) Various natural gas boilers and hot water heaters - Tenant Houses
(Total MMBtu/hr = 6.88 MMBtu/hr)
- (22) 0.3 MMBtu/hr natural gas hot water heater - Restaurant
- (23) 0.6 MMBtu/hr natural gas hot water heater - Restaurant
- (24) 0.5 MMBtu/hr natural gas hot water heater - Restaurant
- (25) 0.2 MMBtu/hr natural gas boiler - Tourist Center

Group 002 - No. 2 Oil Fired External Combustion Units (Rated Cap.<10 MMBtu/hr)

- (1) 4.184 MMBtu/hr Auxiliary Port Boiler
- (2) 3.8 gal/hr No. 2 oil burner - Anvil Shop (Rte. 1 & 52)
- (3) 2-10,500 Btu/hr No. 2 oil burners - Red Lion Dormitories
- (4) 0.105 MMBtu/hr No. 2 oil burner - Sewage Treatment Plant
- (5) 0.42 MMBtu/hr No. 2 oil burner AABGA office
- (6) Various No. 2 oil burners and hot water heaters - Tenant House
(Total MMBtu/hr = 0.43 MMBtu/hr)

Group 003 - Propane Fired External Combustion Units (Rated Cap.<2.5 MMBtu/hr)

- (1) 6-0.15 MMBtu/hr propane heaters - Nursery Greenhouses
- (2) 0.125 MMBtu/hr propane heater - Sewage Treatment Plant office
- (3) 0.033 MMBtu/hr hot water heater - Tenant House

Group 004 - Fuel Storage Tanks

- (1) 2-150,000 gallon concrete AST used to store No. 6 fuel
- (2) 1,500 gallon AST used to preheat No. 6 fuel prior to feeding to boilers

**SECTION H. Miscellaneous.**

- (3) 2-275 gallon AST used to store Diesel Fuel for the 2-stage generator
- (4) 1,000 gallon AST used to store No. 2 fuel oil for the auxiliary port boiler
- (5) 6,000 gallon AST used to store Diesel Fuel for the generators
- (6) 1,000 gallon AST used to store propane
- (7) 500 gallon AST used to store Diesel fuel (Maintenance Bldg. on Rte. 926)
- (8) 3,000 gallon AST used to store gasoline (Maintenance Bldg. on Rte. 926)
- (9) 2-1,000 gallon AST used to store propane for the boiler that heats the Webb Barn
- (10) 2,000 gallon AST used to store gasoline (Webb barn)
- (11) 2,000 gallon AST used to store diesel fuel (Webb barn)
- (12) 275 gallon AST used to store gasoline (Nursery)
- (13) 150 gallon AST used to store Diesel Fuel (Nursery on Rte. 1 & 52)
- (14) 275 gallon AST used to store Diesel Fuel (Nursery);
- (15) 275 gallon AST used to store Diesel Fuel (Anvil Bldg.)
- (16) 275 gallon AST used to store Kersone (Anvil Bldg.)
- (17) 2,000 gallon UST used to store No. 2 fuel oil for the boiler (Anvil Bldg.)
- (18) 275 gallon AST used to store Diesel Fuel (Abbondi area)
- (19) 500 gallon AST used to store Diesel Fuel (Horticulture area)
- (20) 1000 gallon AST used to store gasoline (Horticulture area)
- (21) 2-250 gallon AST used to store propane for boiler (Vegetable Garden Bldg.)
- (22) 3-1,000 gallon UST used to store propane (Red Lion Dormitories)
- (23) 275 gallon AST used to store No. 2 fuel oil (Sewage Treatment Plant)
- (24) 1,100 gallon UST used to store No. 2 fuel oil (AABGA office)
- (25) 3-1,000 gallon UST used to store No. 2 fuel oil (Tenant Houses)

Other Insignificant Sources

- (1) Spray Paint Booth (Bldg. 51) (RFD 15-A01-888)
 - (2) Wood burning stove (vegetable garden)
 - (3) 2 shot blast cabinets for metal parts cleaning
 - (4) Facility-wide gasoline dispensing operations
 - (5) Facility-wide diesel fuel and kerosene dispensing operations
- (c) The State-Only Operating Permit No. 15-00095 incorporates regulatory conditions from the following:
- (1) Plan Approval PA-15-0095B (2-800 kW Diesel-Fired Emergency Generators)
- (d) The State-Only Operating Permit No. 15-00095 (APS ID: 345471, Auth ID: 706538) has been renewed.
- (e) The State-Only Operating Permit No. 15-00095 (APS ID: 345471, Auth ID: 955292) has been renewed.
- (f) The State-Only Operating Permit No. 15-00095 (APS ID: 345471, Auth ID: 1213738) has been renewed.
- (e) The State-Only Operating Permit No. 15-00095 (APS ID: 345471, Auth ID: 1213738) has been renewed.

February 2024 AUTH ID 1415738 APS 345471:

Renewal of SMOP; added 3 new sources to permit - Source ID 107 for 200 kW generator, Source ID 108 for 2,250 kW generator and Source ID 034 for new 25 MMBtu/hr boiler. Boiler has been performance tested but the test has not been reviewed by Central Office Stack Testing Group. Proper testing condition has been listed under new boiler referencing the GP-1 and unreviewed test..

Review of regulatory requirements has lead to corrections in permit for the generator engines. All engines are now classified by actual engine size and corrected regulations applied.

Due to being installed under RFD, Source 103A did not have an initial stack test as required under 40 CFR 60 JJJJ, a milestone has been placed in Section C requiring emissions data from similar unit or to stack test the unit with 1 yr of permit issuance.

In addition, 2 sources - Source IDs 101 and 102, the 800 kW generators- have been removed from the site. All boilers onsite have replaced #6 fuel oil with #2 fuel oil as a backup fuel. The boilers primary fuel is natural gas.



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