



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: March 6, 2024

Effective Date: March 6, 2024

Expiration Date: March 5, 2029

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

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

State Only Permit No: 23-00052

Synthetic Minor

Federal Tax Id - Plant Code: 81-1507712-2

Owner Information

Name: PROSPECT CCMC LLC
Mailing Address: 1 MEDICAL CENTER BLVD
CHESTER, PA 19013-3902

Plant Information

Plant: PROSPECT CCMC/CROZER CHESTER MED CTR
Location: 23 Delaware County 23832 Upland Borough
SIC Code: 8062 Services - General Medical And Surgical Hospitals

Responsible Official

Name: CARSON TURNER
Title: DIR FAC & REAL EST
Phone: (215) 620 - 0952 Email: Carson.Turner@crozer.org

Permit Contact Person

Name: MICHAEL HERRON
Title: ASS DIR FAC SVCS
Phone: (610) 447 - 2452 Email: michael.herron@crozer.org

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



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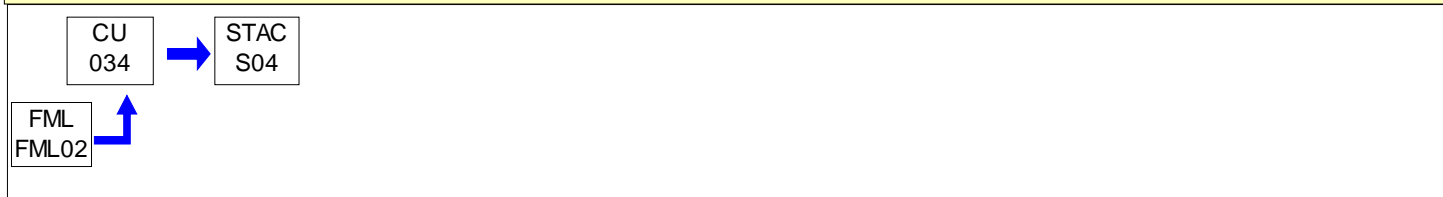
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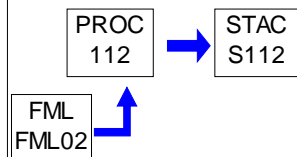
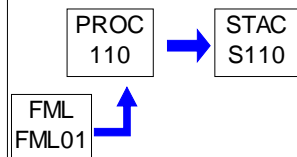
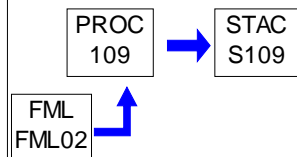
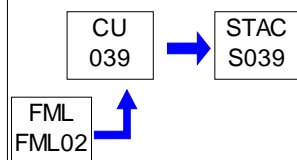
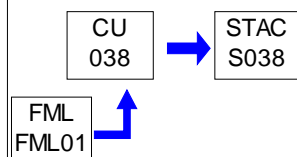
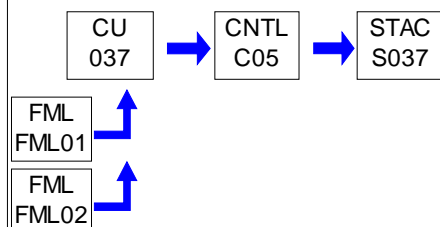
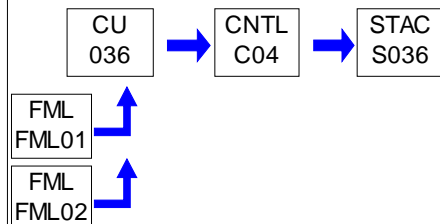
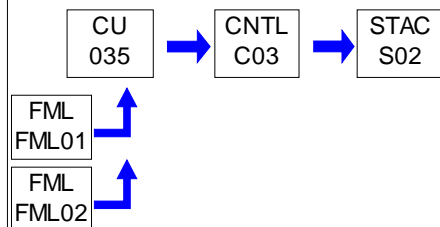
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
034	OLD MAIN BOILER	3.100 MMBTU/HR	
		22.630 Gal/HR	#2 Oil
035	BOILER 1	32.659 MMBTU/HR	
		217.700 Gal/HR	#2 Oil
		32.659 MCF/HR	Natural Gas
036	BOILER 2	16.740 MMBTU/HR	
		15.940 MCF/HR	Natural Gas
		119.600 Gal/HR	#2 Oil
037	BOILER 3	16.740 MMBTU/HR	
		15.940 MCF/HR	Natural Gas
		119.600 Gal/HR	#2 Oil
038	MISC. NG COMBUSTION SOURCES	3.773 MMBTU/HR	
		3,663.100 CF/HR	Natural Gas
039	MISC #2 FO COMBUSTION UNITS	1.720 MMBTU/HR	
		12.560 Gal/HR	#2 Oil
109	FUEL OIL FIRED EMER GENS	N/A	#2 Oil
110	NATURAL GAS FIRED EMER GENS	N/A	Natural Gas
112	750 KW CATERPILLAR EMER GEN	54.500 Gal/HR	#2 Oil
113	2.5 MW CUMMINS EMERG GEN	173.100 Gal/HR	#2 Oil
C03	BOILER 1 FLUE GAS RECIRCULATION		
C04	BOILER 2 FLUE GAS RECIRCULATION		
C05	BOILER 3 FLUE GAS RECIRCULATION		
FML01	NATURAL GAS		
FML02	#2 FUEL OIL STORAGE		
S02	BOILER 1 STACK		
S036	BOILER 2 STACK		
S037	BOILER 3 STACK		
S038	MISC NG COMBUSTION STACKS		
S039	MISC #2 FO COMBUSTION STACKS		
S04	OLD MAIN STACK		
S109	OIL FIRED EMER GENS STACK		
S110	NAT GAS FIRED EMER GEN STACK		
S112	750 KW CATERPILLAR GENERATOR STACK		
S113	2.5 MW CUMMINS EMERG GEN STACK		

PERMIT MAPS

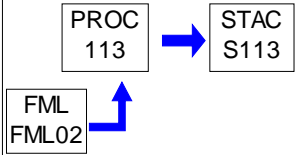


PERMIT MAPS





PERMIT MAPS



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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) construction or demolition of buildings or structures;
- (b) grading, paving and maintenance of roads and streets;
- (c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;
- (d) clearing of land;
- (e) stockpiling of materials;
- (f) open burning operations, as specified in 25 Pa. Code § 129.14;
- (g) sources and classes of sources other than those identified in (a)-(f), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (1) the emissions are of minor significance with respect to causing air pollution; and,
- (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

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

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

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

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

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

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

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

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

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

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

The aggregate NOx emissions from all sources, including the emissions from the sources in the Miscellaneous Section of this permit, shall not exceed 24.95 tons in any 12 consecutive month period.

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

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

Visible emissions may be measured using either of the following:

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

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
 - (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); 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:

**SECTION C. Site Level Requirements**

- (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 compile monthly NOx emission calculations.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Each month, the permittee shall record the monthly NOx emissions.

(b) The permittee shall calculate the 12 month rolling emission by aggregating the current month with the previous 11 months to demonstrate compliance with condition #007.

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 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.

V. REPORTING REQUIREMENTS.**# 016 [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.

**SECTION C. Site Level Requirements**

(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.

017 [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.

**SECTION C. Site Level Requirements**

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

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

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

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

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

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

018 [25 Pa. Code §135.3]**Reporting**

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

If the permittee has been previously advised by the Department to submit a source report, the permittee 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 may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

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

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

(c) paving and maintenance of roadways; and

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

020 [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.

**SECTION C. Site Level Requirements****# 021 [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.

022 [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.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 034

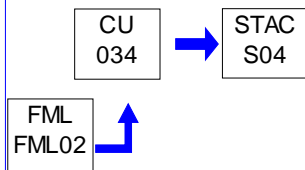
Source Name: OLD MAIN BOILER

Source Capacity/Throughput:

3.100 MMBTU/HR

22.630 Gal/HR

#2 Oil

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

001 [25 Pa. Code §123.11]

Combustion units

The Old Main Boiler shall not result in emissions of PM in excess of 0.4 lb/MMBtu.

Fuel Restriction(s).

002 [25 Pa. Code §123.22]

Combustion units

The maximum sulfur content in commercial fuel oil used in this boiler shall not exceed 0.0015% by weight, except as specified in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.22(e)(1).]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only No. 2 fuel oil or diesel fuel shall be burned in this boiler.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor fuel usage for Source ID 034 on a monthly basis.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

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

The permittee shall maintain the following records:

- (a) A copy of each notification and report submitted to comply with the Area Source Boiler MACT (6J) and all documentation supporting any Initial Notification and Notification of Compliance Status that you submitted.
- (b) Conformance with the work practices and management practices required by 40 CFR § 63.11214 and as specified in (b)(1) and (b)(2) below:
 - (1) Records must identify the boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned; and,
 - (2) Records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel and the total fuel usage amount with units of measure.
- (c) The occurrence and duration of each malfunction of the boiler or of the associated air pollution control and monitoring equipment;
- (d) Actions taken during periods of malfunction to minimize emissions, including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
- (e) The information identified below for each required inspection or monitoring:
 - (1) The date, place, and time of the monitoring event;
 - (2) Person conducting the monitoring;
 - (3) Technique or method used;
 - (4) Operating conditions during the activity;
 - (5) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation; and,
 - (6) Maintenance or corrective action taken (if applicable).

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

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

Records must be in a form suitable and readily available for expeditious review. These records shall be kept onsite for at least two (2) years after the date of each recorded action. The records may be kept off site for the remaining three (3) years.

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

**SECTION D. Source Level Requirements**

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

By March 1 of the year after the tuneup has been completed, the permittee must prepare, and submit to the Department and the US EPA upon request, a compliance certification report for the previous calendar year containing the information below:

(a) Company name and address.

(b) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements 40 CFR 63, Subpart JJJJJJ. Your notification must include the following certification(s) of compliance and be signed by a responsible official:

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

(2) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

(c) Unless requested by the Department, the permittee is not required to submit this report, but shall retain the record for a minimum of five (5) years.

(d) The permittee must submit the report by March 15 if the source experiences any deviations from the applicable requirements during the reporting period. The report shall include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

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

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

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

Oil-fired boilers with a heat input capacity of equal to or less than 5 million Btu per hour that are subject to 40 CFR Part 63, Subpart JJJJJJ, must conduct a tune-up every 5 years. Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up. Per 40 CFR § 63.11223(b), the permittee shall:

(a) Inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shut down, but you must inspect each burner at least once every 72 months);

(b) Inspect the flame pattern and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(c) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly (this may be delayed until the next scheduled unit shut down, but it must be performed at least once every 72 months);

(d) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.

(e) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in

**SECTION D. Source Level Requirements**

volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made);

(f) Maintain onsite and submit, if requested by the Administrator, a report containing the following information.

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

(2) A description of any corrective actions taken as a part of the tune-up of the boiler; and,

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

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

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 034 is a fuel oil-fired boiler, manufactured by Weil McLain, Model 88 Series, rated at 3.1 MMBtu/hr.

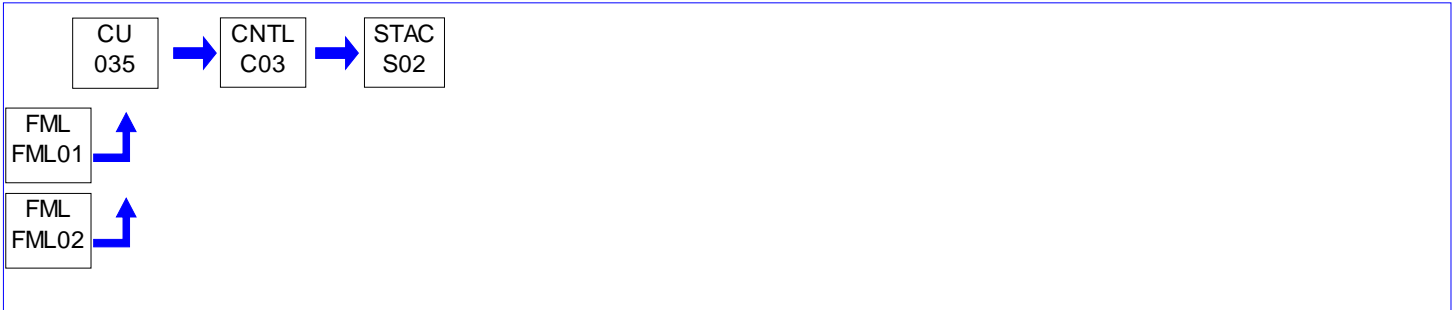
**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: BOILER 1

Source Capacity/Throughput: 32.659 MMBTU/HR
 217.700 Gal/HR #2 Oil
 32.659 MCF/HR Natural Gas

Conditions for this source occur in the following groups: NSPS BOILERS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Emissions from this boiler shall not exceed any of the following:

- (a) 30 ppm_dv NO_x at 3% O₂ when firing natural gas;
- (b) 90 ppm_dv NO_x at 3% O₂ when firing No. 2 fuel oil; and
- (c) 300 ppm_dv CO at 3% O₂.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Standard for particulate matter.**

- (a) The permittee shall not cause to be discharged into the atmosphere from this source any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.
- (b) This opacity standards applies at all times, except during periods of startup, shutdown, or malfunction.

II. TESTING REQUIREMENTS.**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.47c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Emission monitoring for particulate matter.**

The permittee shall conduct performance tests using Method 9 of appendix A of 40 CFR Part 60 and the procedures in §60.11 to demonstrate compliance with the applicable opacity limit in §60.43c(c) beginning April 29, 2011.

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

- (a) Fuel usage and type shall be monitored on a monthly basis.
- (b) The permittee shall use the monthly fuel usage and AP-42 emission factor or stack test data to determine NO_x monthly emissions.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each adjustment conducted under the tune-up procedures for this boiler, shall be recorded in a permanently bound log book, 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 NO_x emission rates; and
- (e) the final excess oxygen rate.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code 129.93(b)(3)]

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

The permittee shall keep records of the monthly NO_x emission calculations.

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

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

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

(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-3401/1-83-023) or equivalent procedures approved by the Department in writing.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code 129.93(b)(2)]

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

Boiler 1 is manufactured by Cleaver Brooks, Model CB-800.

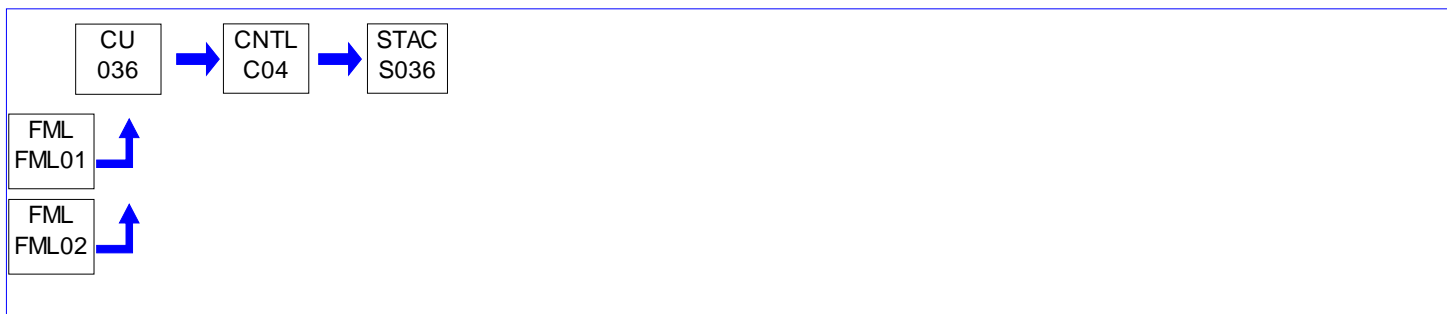
**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: BOILER 2

Source Capacity/Throughput:	16.740 MMBTU/HR	
	15.940 MCF/HR	Natural Gas
	119.600 Gal/HR	#2 Oil

Conditions for this source occur in the following groups: NSPS BOILERS

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the purposes of demonstrating compliance with Best Available Technology (BAT), as codified in 25 Pa. Code § 127.12, the permittee shall maintain the boiler stack test report emission data on file in order to demonstrate that the boiler meets the following emission limits.

- (a) 30 ppm_{dv} NO_x at 3% O₂ when firing natural gas
- (b) 90 ppm_{dv} NO_x at 3% O₂ when firing No. 2 fuel oil
- (c) 300 ppm_{dv} CO at 3% O₂.

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

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

VII. ADDITIONAL REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Boiler 2 is manufactured by Bryan, Model RW1700-S-150-FDA.

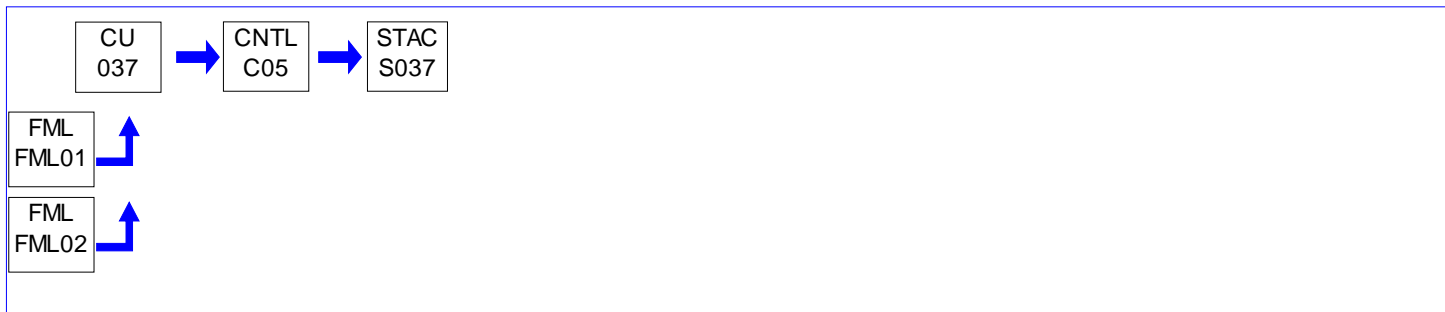
**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: BOILER 3

Source Capacity/Throughput:	16.740	MMBTU/HR	
	15.940	MCF/HR	Natural Gas
	119.600	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: NSPS BOILERS

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

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

For the purposes of demonstrating compliance with Best Available Technology (BAT), as codified in 25 Pa. Code § 127.12, the permittee shall maintain the boiler stack test report emission data on file in order to demonstrate that the boiler meets the following emission limits.

- (a) 30 ppm_{dv} NO_x at 3% O₂ when firing natural gas
- (b) 90 ppm_{dv} NO_x at 3% O₂ when firing No. 2 fuel oil
- (c) 300 ppm_{dv} CO at 3% O₂.

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

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

VII. ADDITIONAL REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Boiler 3 is manufactured by Bryan, Model RW1700-S-150-FDA.

**SECTION D. Source Level Requirements**

Source ID: 038

Source Name: MISC. NG COMBUSTION SOURCES

Source Capacity/Throughput: 3.773 MMBTU/HR

3,663.100 CF/HR

Natural Gas

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

001 [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 a combustion unit rated less than 250 MMBtu/hr and located in the Inner Zone, in excess of 1.0 pounds per million Btu of heat input.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only natural gas shall be burned in the boilers, heaters, and water heaters identified under Source ID 038.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall have the means to monitor the natural gas usage from the sources identified under Source 038.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record the amount of natural gas used in the sources identified under Source ID 38 on a monthly basis.

(b) The permittee shall record emissions of NO_x on a monthly basis and as a 12-month rolling sum.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 038 consists of the following sources:

Location	Source Type	Make	Model	BTU Rating (Input)
Silverman Bldg.	Boiler	Hydro-Therm	1200BP	1,200,000
Presidents House	Water Heater	Bradford White	MI4076FBN	40,000
Pollard House	Water Heater	Bradford White	MI403S6FBN	40,000
Chec House	Boiler	Weil-McLain	Unknown	249,000
Chec House	Water Heater	Bradford White	MI5036FBN7	40,000
Evans Hall	Heater	Bryant	394HAD060130	126,000
Evans Hall	Heater	Bryant	394HAD060130	126,000
EMS Building	Heater	Reznor	F-300	300,000
EMS Building	Heater	Trane	TUD060C936KA	60,000
Grounds Bldg.	Heater	Reznor	F-300	300,000
Davis House	Water Heater	Bradford White	MI403T6EN12	40,000
Lewis House	Heater	Bryant	395CA	132,000
Lewis House	Water Heater	Bradford White	MI403T6EN12	40,000
Kitchen	Fryers	Pitco	SG-14	330,000
Kitchen	Stove	South Bend	Unknown	230,000
Kitchen	Braiser	Groen	Unknown	120,000
Kitchen	Ovens	Blodgett	Unknown	300,000
Kitchen	Char Broiler	Wolf	Unknown	100,000

**SECTION D. Source Level Requirements**

Source ID: 039

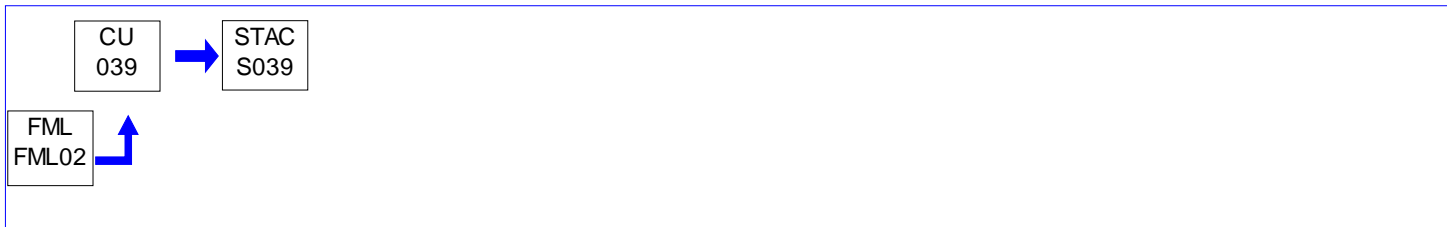
Source Name: MISC #2 FO COMBUSTION UNITS

Source Capacity/Throughput:

1.720 MMBTU/HR

12.560 Gal/HR

#2 Oil

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

The maximum sulfur content in commercial fuel oil used in the boilers and heaters identified under Source ID 039 shall not exceed 0.0015% by weight, except as specified in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.22(e)(1).]

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

Only No. 2 fuel oil or diesel fuel shall be burned in the boilers and heaters identified under Source ID 039.

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

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

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

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

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

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

The permittee shall monitor fuel usage for Source ID 039 on a monthly basis.

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

(a) The permittee shall record fuel usage from the sources identified under Source ID 039.

**SECTION D. Source Level Requirements**

(b) The permittee shall calculate and record NOx emissions from Source ID 039 on a monthly basis and as a 12-month rolling sum.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 039 consists of the following combustion sources, which combust No. 2 fuel oil:

Source	Make	Model	BTU Rating
Old Main Boiler	Weil McLain	Model 88 Series	3,100,000
Pearl House	Smith	19HE06	828,750
Presidents House	Ovelda Royal	DLO250-S	312,500
Pollard House	Armstrong	LBR80B196B24-3A	196,000
Davis House	Weil-McLain	A/B WGO-7	249,000
Vedder House	Bulerus	Logano G215	134,000

**SECTION D. Source Level Requirements**

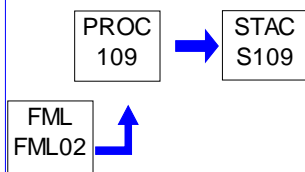
Source ID: 109

Source Name: FUEL OIL FIRED EMER GENS

Source Capacity/Throughput:

N/A

#2 Oil

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

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combined NO_x emissions from Source IDs 109, 110, 112, and 113 shall remain below the following emission limits:

- (a) 100 lbs/hr;
- (b) 1000 lbs/day;
- (c) 2.75 tons per ozone season; and,
- (d) 6.6 tons per 12-month rolling period.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall only be operated on No. 2 fuel oil, or deisel fuel, having a maximum sulfur content of 0.05% (500 ppm), by weight.

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The operation of any of these emergency generators, on an individual basis, shall not exceed 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the hours of operation for each of these emergency generators on a monthly basis.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The operating hours for each of these emergency generators shall be recorded each month, and shall be aggregated to demonstrate compliance with each 12 consecutive month limit.
- (b) The permittee shall use the total operating hours and AP-42 emission factors to calculate NOx emissions monthly.

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.**# 008 [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?**

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

- (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.**# 009 [25 Pa. Code §127.411]****Content of applications.**

This source consists of the following individual diesel fuel fired emergency generators:

- (a) UELGEN 2278 located in Boiler Plant, mfg by Cummins, 100 kW, Engine Model #H743BG190.
- (b) UELGEN 2269, located in the East Wing, mfg by Detroit Diesel, 350 kW, Engine Model #7123-7000.
- (c) UELGEN 2271, located in the Northeast, mfg by Caterpillar, 520 kW, Generator Model #3412.
- (d) UELGEN 2272, located in the Chiller Room, mfg by Caterpillar, 155 kW, Generator Model #3306.
- (e) UELGEN 2275, located in the South Wing, mfg by Cummins, 500 kW, Generator Model# 500 DFFB/563216.
- (f) UELGEN 2281, located in North Campus A bldg, mfg by Generac, 125 kW, Generator Model # 95A 05869S.

**SECTION D. Source Level Requirements**

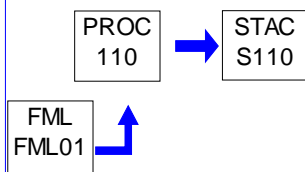
Source ID: 110

Source Name: NATURAL GAS FIRED EMER GENS

Source Capacity/Throughput:

N/A

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 each of these emergency generators at any time, in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combined NO_x emissions from Source IDs 109, 110, 112, and 113 shall remain below the following emission limits:

- (a) 100 lbs/hr;
- (b) 1000 lbs/day;
- (c) 2.75 tons per ozone season; and,
- (d) 6.6 tons per 12-month rolling period.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only natural gas shall be used to operate each of these emergency generators.

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The operation of any of these emergency generators, on an individual basis, shall not exceed 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the hours of operation for each of these emergency generators on a monthly basis.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The operating hours for each of these emergency generators shall be recorded each month, and shall be aggregated to demonstrate compliance with each 12 consecutive month limit.
- (b) The permittee shall use the total operating hours and AP-42 emission factors to calculate NOx emissions monthly.

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.**# 008 [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?**

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

- (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.**# 009 [25 Pa. Code §127.411]****Content of applications.**

This source consists of the following individual natural gas fired emergency generators:

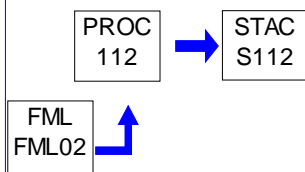
- (a) UELGEN 2279, located in the Main Hospital, mfg by Waukesha, 100 kW, Model #145-GZ.
- (b) UELGEN 2282, located on the North Campus B, mfg by Kohler, 30kW, Model #30RZ282.

**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: 750 KW CATERPILLAR EMER GEN

Source Capacity/Throughput: 54.500 Gal/HR #2 Oil

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

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Combined NO_x emissions from Source IDs 109, 110, 112, and 113 shall remain below the following emission limits:

- (a) 100 lbs/hr;
- (b) 1000 lbs/day;
- (c) 2.75 tons per ozone season; and,
- (d) 6.6 tons per 12-month rolling period.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall only be operated on No. 2 fuel oil, or deisel fuel, having a maximum sulfur content of 0.05% (500 ppm), by weight.

[Compliance with this streamlined condition, assures compliance with 25 Pa. Code 123.21.]

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This emergency generator is limited to 500 hours of operation during any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

Using a non-resettable meter or Department approved equivalent, the permittee shall continuously monitor the run time for this source.

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

(a) The permittee shall record the run time for this source on a monthly, and on a 12-consecutive month, basis.

(b) The permittee shall use the monthly operating hours and AP-42 emission factor to calculate NOx emissions monthly.

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.**# 008 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

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

(b) The allowable emissions shall be calculated by multiplying the cumulative hours or operations for this source for the period by the horsepower rating of the unit and by the emission rate of 2.3 g of NOx per brake hp-hr.

009 [25 Pa. Code §129.204]**Emission accountability.**

(a) The permittee shall surrender to the Department one NOx allowance, as defined in 25 Pa. Code § 145.2 (relating to definitions), for each ton of NOx by which the combined actual emissions exceed the allowable emissions for this engine from May 1 through September 30. The surrendered NOx 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 sources subject to 25 Pa. Code Chapter 129 (Additional NOx Requirements) 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 sources subject to 25 Pa. Code Chapter 129 (Additional NOx Requirements) at the permittee's other facilities.

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

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

(d) If a permittee fails to comply with (c), above, the permittee shall by December 31, surrender three (3) 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 (d), above, does not affect the liability of the permittee of the unit 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.

**SECTION D. Source Level Requirements**

(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; and,

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

*CAIR has been replaced by CSAPR. Beginning May 1, 2021, the permittee shall comply with CSAPR rule as promulgated in 40 CFR parts 51, 52, 78 and 97 as published in the Federal Registrar, Vol. 86, No. 82 April 30, 2021.

010 [25 Pa. Code §129.204]**Emission accountability.**

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

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

(b) the maximum hourly allowable NOx emission rate contained in the permit or the higher of the following:

(1) 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"; or,

(2) 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.

(c) CEMS data, if the permittee elects to monitor NOx emissions with a CEMS. The permittee shall monitor emissions and report the data from the CEMS in accordance with 25 Pa. Code, Chapters 139 or 145. 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.

(d) 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. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

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?**

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

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

This source, designated "UELGEN 2276", consists of the following individual No. 2 fuel oil fired emergency generator:

**SECTION D. Source Level Requirements**

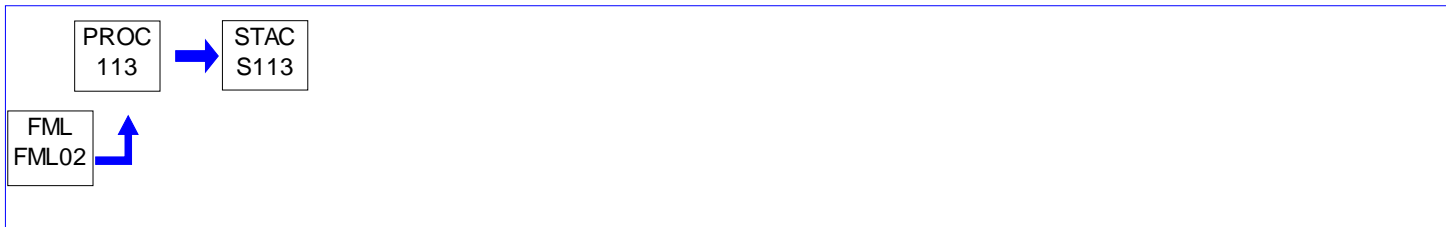
Caterpillar, 750 kW (1,005 HP).

**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: 2.5 MW CUMMINS EMERG GEN

Source Capacity/Throughput: 173.100 Gal/HR #2 Oil

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

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

002 [25 Pa. Code §123.21]**General**

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

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

Combined NO_x emissions from Source IDs 109, 110, 112, and 113 shall remain below the following emission limits:

- (a) 100 lbs/hr;
- (b) 1000 lbs/day;
- (c) 2.75 tons per ozone season; and,
- (d) 6.6 tons per 12-month rolling period.

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

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

This source shall comply with the following emission rates:

- (a) Nitrogen Oxides (NO_x) + Non-methane Hydrocarbons (NMHC) - 6.4 g/kW-hr;
- (b) Carbon Monoxide (CO) - 3.5 g/kW-hr; and
- (c) Particulate Matter (PM) - 0.20 g/kW-hr.

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

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

Fuel specifications for these engines shall meet the following:

- (a) sulfur content of 15 ppm maximum; and
- (b) minimum cetane index of 40, or a maximum aromatic content of 35%, by volume.

[Compliance with (a), above, assures compliance with 25 Pa. Code § 123.21.]

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source shall not operate more than 200 hours per 12-month rolling period.

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

(a) The following are applicable for the analysis of commercial fuel oil to demonstrate compliance with the sulfur limitation for these sources:

- (1) the fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).
- (2) test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15).
- (3) results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the percent sulfur in the fuel, is obtained each time a fuel oil delivery is made to demonstrate compliance with the sulfur limitation for this generator.

(c) In lieu of fuel oil analysis or fuel oil receipts with each delivery, the permittee shall receive annually from the fuel oil supplier, a certification that all of the fuel oil delivered to the facility indicates the following minimum or maximum specifications, as applicable:

- (1) sulfur content to not exceed 15 ppm; and
- (2) cetane index or aromatic content as follows:
 - (A) cetane index – minimum of 40; or
 - (B) aromatic content – maximum of 35 volume%.
- (3) If the permittee changes fuel oil supplier during the course of the calendar year, the above certifications shall be required from each new fuel oil supplier.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4209.]

The following shall be monitored using a non-resettable hour meter or other Department approved method:

- (a) hours spent for emergency operation; and
- (b) hours spent for non-emergency operation*; and
- (c) hours spent for maintenance and readiness checks (maximum of 100 hours per annum, but can petition for additional hours if necessary).

* Operation for non-emergency purposes up to 50 hours per 12-consecutive month period is allowed, but such operation is counted toward the 100 hour limit for maintenance and testing. This 50 hour limitation cannot be used for peak shaving or to generate income by supplying power to an electric grid or otherwise supply power as part of a financial arrangement with

**SECTION D. Source Level Requirements**

another entity.

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

The permittee shall calculate and record NOx emissions from this source, in lbs/hr, lbs/day, tons per ozone season, and tons per 12-month rolling sum, aggregated with Sources 109, 110, and 112.

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

[Additional authority for this condition is also derived from 40 CFR § 63.6590(c)(1).]

(a) The permittee shall maintain the following records:

- (1) Fuel supplier records showing the maximum sulfur content, and either the cetane index or aromatic content;
- (2) Records of the hours of operation for emergencies and maintenance/readiness checks;
- (3) Documentation that the engine is certified to meet the Tier 2 emission standards; and,
- (4) If a particulate filter is used, records of any corrective action taken after the back pressure monitor has been activated.

(b) The permittee shall keep records of the operation of each engine in emergency and non-emergency service that is recorded through the non-resettable hour meter or other Department-approved method. The permittee must record the time of operation of each engine and the reason the engine was in operation during that time.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 40 CFR § 60.4211.]

(a) The permittee shall:

- (1) Maintain a non-resettable hour meter on the generator;
- (2) Operate and maintain the engine in accordance with manufacturer's specifications; and,
- (3) Not tamper with any device or element of design unless allowed by the manufacturer.

(b) Manufacturer's specifications for maintenance and operation, or records of repair and maintenance shall be made available to the Department upon request.

[Compliance with this condition ensures that Source 753 complies with 25 Pa. Code §§ 129.112(c) and 129.115(f).]

012 [25 Pa. Code §129.203]**Stationary internal combustion engines.**

(a) By October 31 of each year, the permittee shall calculate the difference between the actual emissions from this internal

**SECTION D. Source Level Requirements**

combustion engine during the period from May 1 through September 30 and the allowable emissions for that same period.

(b) The allowable emissions shall be calculated by multiplying the cumulative hours or operations for this source for the period by the horsepower rating of the unit and by the emission rate of 2.3 g of NO_x per brake hp-hr.

013 [25 Pa. Code §129.204]**Emission accountability.**

(a) The permittee shall surrender to the Department one NO_x allowance, as defined in 25 Pa. Code § 145.2 (relating to definitions), for each ton of NO_x by which the combined actual emissions exceed the allowable emissions for this engine from May 1 through September 30. The surrendered NO_x 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 sources subject to 25 Pa. Code Chapter 129 (Additional NO_x Requirements) 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 sources subject to 25 Pa. Code Chapter 129 (Additional NO_x Requirements) at the permittee's other facilities.

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

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

(d) If a permittee fails to comply with (c), above, the permittee shall by December 31, surrender three (3) NO_x allowances of the current or later year vintage for each NO_x allowance that was required to be surrendered by November 1 of that year.

(e) The surrender of NO_x allowances under (d), above, does not affect the liability of the permittee of the unit 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; and

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

*CAIR has been replaced by CSAPR. Beginning May 1, 2021, the permittee shall comply with CSAPR rule as promulgated in 40 CFR parts 51, 52, 78 and 97 as published in the Federal Registrar, Vol. 86, No. 82 April 30, 2021.

014 [25 Pa. Code §129.204]**Emission accountability.**

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:

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

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

(1) 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"; or,

(2) 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.

**SECTION D. Source Level Requirements**

(c) 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 25 Pa. Code, Chapters 139 or 145. 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.

(d) 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. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

VII. ADDITIONAL REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 113, designated "EGEN #10", consists of a 2.50-MW diesel-fired emergency generator with a Cummins engine, Model QSK60-G19 NR2, rated 3,640 hp.

**SECTION E. Source Group Restrictions.**

Group Name: NSPS BOILERS

Group Description: NSPS Boilers

Sources included in this group

ID	Name
035	BOILER 1
036	BOILER 2
037	BOILER 3

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

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

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

On and after September 1, 2020, 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 or lighter, by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(iii) and (iv).

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.22(e)(1) and 40 CFR § 60.42c(d).]

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

This boiler shall be fired only on natural gas or No. 2 commercial fuel oil to which there has been no reclaimed or waste oil or other waste materials added.

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

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

- (1) the fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references);
- (2) tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15); and,
- (3) results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

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

III. MONITORING REQUIREMENTS.**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]****Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

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

**SECTION E. Source Group Restrictions.**

Fuel usage (fuel oil and/or naturel gas) for this boiler shall be monitored.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [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.
- (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, with the statement: "The sulfur content of this shipment is 15 ppm or below."
- (6) The location of the commercial fuel oil at the time of transfer.

(b) The permittee shall do both of the following:

- (1) Maintain these records in electronic or paper format for 2 years
- (2) Provide an electronic or written copy of the applicable record to the Department upon request.

[For Source IDs 035, 036 and 037 compliance with this permit condition assures compliance with 40 CFR 60.42c(d) & (h).]

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

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

The amount of fuel (natural gas and/or fuel oil) consumed by this boiler shall be recorded on a monthly basis.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

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

Records of the distillate fuel supplier certification shall be retained for a minimum of five (5) years and shall include the following information:

- (a) the name of the oil supplier;
- (b) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR § 60.41c; and
- (c) the sulfur content or maximum sulfur content of the oil.

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

**SECTION E. Source Group Restrictions.**

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

(a) In accordance with 40 CFR 60.48c(e) the permittee shall keep records and submit reports as required under 40 CFR 60.48c(d), including the following information:

- (1) Calendar dates covered in the reporting period.
- (2) Each 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.
- (3) Records of fuel supplier certification. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

(b) The permittee shall submit semi-annual fuel certification reports that contain the fuel oil delivery certificates to the US EPA. These reports are due on July 30 (covering the period of January 1 through June 30) and January 30 (covering the period of July 1 through December 31) and shall be sent to the Department (at the Norristown address) and to the US EPA at:

Office of Air Enforcement and Compliance Assistance (3AP20)
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each of these boilers is equipped with Low NOx Burners and Flue Gas Recirculation.

011 [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 § 63 Subpart JJJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers located at Area Sources.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
034	OLD MAIN BOILER		
Emission Limit		Pollutant	
0.400	Lbs/MMBTU		PM10
035	BOILER 1		
Emission Limit		Pollutant	
300.000	PPMV	at 3% oxygen.	CO
30.000	PPMV	at 3% oxygen and firing natural gas	NOX
90.000	PPMV	at 3% oxygen and firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		TSP
036	BOILER 2		
Emission Limit		Pollutant	
300.000	PPMV	at 3% oxygen	CO
30.000	PPMV	at 3% oxygen and firing natural gas	NOX
90.000	PPMV	at 3% oxygen and firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		TSP
037	BOILER 3		
Emission Limit		Pollutant	
300.000	PPMV	at 3% oxygen	CO
30.000	PPMV	at 3% oxygen and firing natural gas	NOX
90.000	PPMV	at 3% oxygen and firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		TSP
038	MISC. NG COMBUSTION SOURCES		
Emission Limit		Pollutant	
1.000	Lbs/MMBTU		SOX
109	FUEL OIL FIRED EMER GENS		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	Combined NOx limit	NOX
6.600	Tons/Yr	Combined NOx limit; Determined on a 12-month rolling period	NOX
100.000	Lbs/Hr	Combined NOx limit	NOX
1,000.000	Lbs/Day	Combined NOx limit	NOX
500.000	PPMV	Determined on a dry basis	SOX
0.040	gr/DRY FT3	Applies to filterable PM only	TSP
110	NATURAL GAS FIRED EMER GENS		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	Combined NOx limit	NOX
6.600	Tons/Yr	Combined NOx limit; Determined on a 12-month rolling period	NOX
100.000	Lbs/Hr	Combined NOx limit	NOX
1,000.000	Lbs/Day	Combined NOx limit	NOX

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
500.000	PPMV	Determined on a dry basis	SOX
0.040	gr/DRY FT3	Applies to filterable PM only	TSP
112	750 KW CATERPILLAR EMER GEN		
Emission Limit			Pollutant
2.750	Tons/OZNESEAS	Combined NOx limit	NOX
6.600	Tons/Yr	Combined NOx limit; Determined on a 12-month rolling period	NOX
100.000	Lbs/Hr	Combined NOx limit	NOX
1,000.000	Lbs/Day	Combined NOx limit	NOX
500.000	PPMV	Determined on a dry basis	SOX
0.040	gr/DRY FT3	Applies to filterable PM only	TSP
113	2.5 MW CUMMINS EMERG GEN		
Emission Limit			Pollutant
3.500	GRAMS/KW-Hr		CO
2.750	Tons/OZNESEAS	Combined NOx limit	NOX
6.600	Tons/Yr	Combined NOx limit; Determined on a 12-month rolling period	NOX
100.000	Lbs/Hr	Combined NOx limit	NOX
1,000.000	Lbs/Day	Combined NOx limit	NOX
6.400	GRAMS/KW-Hr		NOx+NMHC
0.200	GRAMS/KW-Hr		PM10
500.000	PPMV	Determined on a dry basis	SOX
0.040	gr/DRY FT3	Applies to filterable PM only	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
24.950 Tons/Yr	NOX

**SECTION H. Miscellaneous.**

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

- One 3.1 MMBtu/hr, No. 2 oil fired boiler (Old Main Boiler). Unit installed in Janaury 2004, plan approval exempt (Subject to the Area Boiler MACT).

August 2005. APS: 345723, AUTH ID: 597926. The Department amended this permit to address the following changes:

- The removal of source 034 and the replacement of a smaller boiler (which has been added to the Miscellaneous Section of the permit).
- The addition of two emergency generators located in the facility's North Campus building in Sources 109 and 110.
- The creation of two sources to consolidate the emergency generators by fuel type.

January 2006. APS: 345723, AUTH ID: 615334. The Department amended the permit to address the change of ownership for the three peak generators from NEO Chester GEN, LLC in permit No. 23-00007.

The two permits (23-00007 and 23-00052), both for Crozer Chester Medical Center, have an aggregate NOx limit of 24.95 tons in any 12 consecutive month.

Janaury 2008. APS: 345723, AUTH: 691299. The Department renewed the permit.

The following change has taken place since the permit was last issued:

- RFD 23-A01-865 for a 750 kW diesel-fired emergency generator has been added to the permit as Source 112.
- Permit number 23-00007 has been revoked as all of the sources have been removed from that facility. The aggregate NOx emission limit for the two permits has been rewritten to address this change.

No other new sources or regulations for this facility since the permit was last issued.

February 2013. APS: 345723, AUTH: 934263. Permit renewal.

New federal regulations.

Boiler MACT (40 CFR 63, Subpart JJJJJJ) applies to Source 032 and Old Main Boiler. The three other boilers operate primarily on natural gas and use No. 2 fuel oil only during curtailment periods and are exempted under 40 CFR § 63.11195(e).

RICE MACT (40 CFR 63, Subpart ZZZZ). The engines are exempt from this regulation as they meet the definition of institutional emergency stationary RICE (found in 40 CFR § 63.6675) and specifically exempted under 40 CFR § 63.6590(b)(3)(viii).

July 2016. Administrative Amendment to address a change of ownership from Crozer Chester Medical Center (Federal Tax ID 23-1637191) to Prospect CCMC, LLC (Federal Tax ID 81-1507712). No other changes at this time.

July 2018. APS: 345723, AUTH: 1187198. Permit renewal. The following change has taken place since the permit was last issued:

- Removed Section C requirement (25 Pa. Code 135.21) for the facility to submit an annual emission statement for the preceding calendar year based upon facility Synthetic Minor status.
- Reduced maximum allowable sulfur content of #2 fuel oil from 0.2% to 0.05% (25 Pa. Code 123.21) for sources ID 112.
- 40 CFR Part 63 Subpart ZZZZ requirements have been removed from Source IDs 109, 110 and 112 because this facility is a medical center-institution.
- For all emergency generators (Source IDs: 109, 110 & 112) a recordkeeping condition has been added to require the facility to calculate the NOx emissions on a monthly basis using monthly operating hours and AP-42 emission factors.
- A condition has been added to require the facility to compile monthly sitewide NOx emissions calculations.
- A condition has been added stating that CCMC is not subject to Subpart JJJJJJ if boilers 1, 3 and 4 meet the definition of a "gas fired boiler" (in accordance with §63.11195(e)).
- A condition has been added to require recordkeeping and retentions of #2 fuel oil receipts in accordance with 25 Pa. Code 123.22(g).
- Change Responsible Official.
- The following updates have been made to Source ID 035 (Boiler 4):
 - Added opacity requirements in accordance with 40 CFR 60.43c.
 - Added a requirement to perform annual tune-up, and maintain associated records, based upon 25 Pa. Code 127.441.
 - Updated Source ID 035's heat input and throughput.

**SECTION H. Miscellaneous.**

--Added a condition to require the calculation of monthly NOx emissions from fuel usage and AP42 emission factors or stack test data.

October 2021. APS: 916984, Auth: 1370011, PF: 510938. Administrative amendment to incorporate a GP1 into operating permit

- a) Add Source ID 036, Source Name: Boiler 2, Manufacturer: Bryan, model RW1700-S150-FDA with a rated heat input of 16.74 mmBtu/hr.
- b) Add Source ID 037, Source Name: Boiler 3, Manufacturer: Bryan, model RW1700-S150-FDA with a rated heat input of 16.74 mmBtu/hr.
- c) Change the name of Source ID 035 from Boiler 4 to Boiler 1.
- d) Remove Source IDs: 031, 032 and 033, Source Names: Boilers 1, 2 and 3 respectively.

March 2024. APS: 916984, Auth: 1434200, PF: 510938. Permit Renewal.

- a) Re-inserted Source ID 034, Source Name: Old Main Boiler, existing source that was erroneously treated as an insignificant source.
- b) Add Source ID 038, Source Name: Misc. NG Combustion Source, existing sources previously not included in the operating permit.
- c) Add Source ID 039, Source Name: Misc. #2 FO Combustion Units, existing sources previously not included in the operating permit.
- d) Add Source ID 113, Source Name: 2.5 MW Cummins Emerg Gen, installed under eRFD No. 7545.
- e) eRFDs included by reference:
 - RFD No. 7328, for the temporary installation of an 800-hp boiler (with FGR and LNB).
 - RFD No. 7735, for the temporary installation of an 800-hp boiler (with FGR and LNB)..
 - RFD No. 8106, for the temporary installation of a 300-kW diesel fuel-fired emergency generator.



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