



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: March 6, 2025 Effective Date: November 20, 2025
Revision Date: November 20, 2025 Expiration Date: April 21, 2030
Revision Type: Amendment

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: 23-00053

Synthetic Minor

Federal Tax Id - Plant Code: 23-1743626-2

Owner Information

Name: UPPER DARBY SCH DIST
Mailing Address: 8201 N LANSDOWNE AVE
UPPER DARBY, PA 19082

Plant Information

Plant: UPPER DARBY SCH DIST/DREXEL HILL
Location: 23 Delaware County 23003 Upper Darby Township
SIC Code: 8062 Services - General Medical And Surgical Hospitals

Responsible Official

Name: CHRISTOPHER ROSSITER
Title: MANAGER OF FACILITIES
Phone: (610) 789 - 7200 Ext.3711 Email: crossiter@upperdarbysd.org

Permit Contact Person

Name: CHRISTOPHER ROSSITER
Title: MANAGER OF FACILITIES
Phone: (610) 789 - 7200 Ext.3711 Email: crossiter@upperdarbysd.org

[Signature] _____
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation of Sources
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.
- #023 Prohibition of Air Pollution
- #024 Reporting
- #025 Report Format

Section C. Site Level State Only Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level State Only Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

Section E. Source Group Restrictions



SECTION A. Table of Contents

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

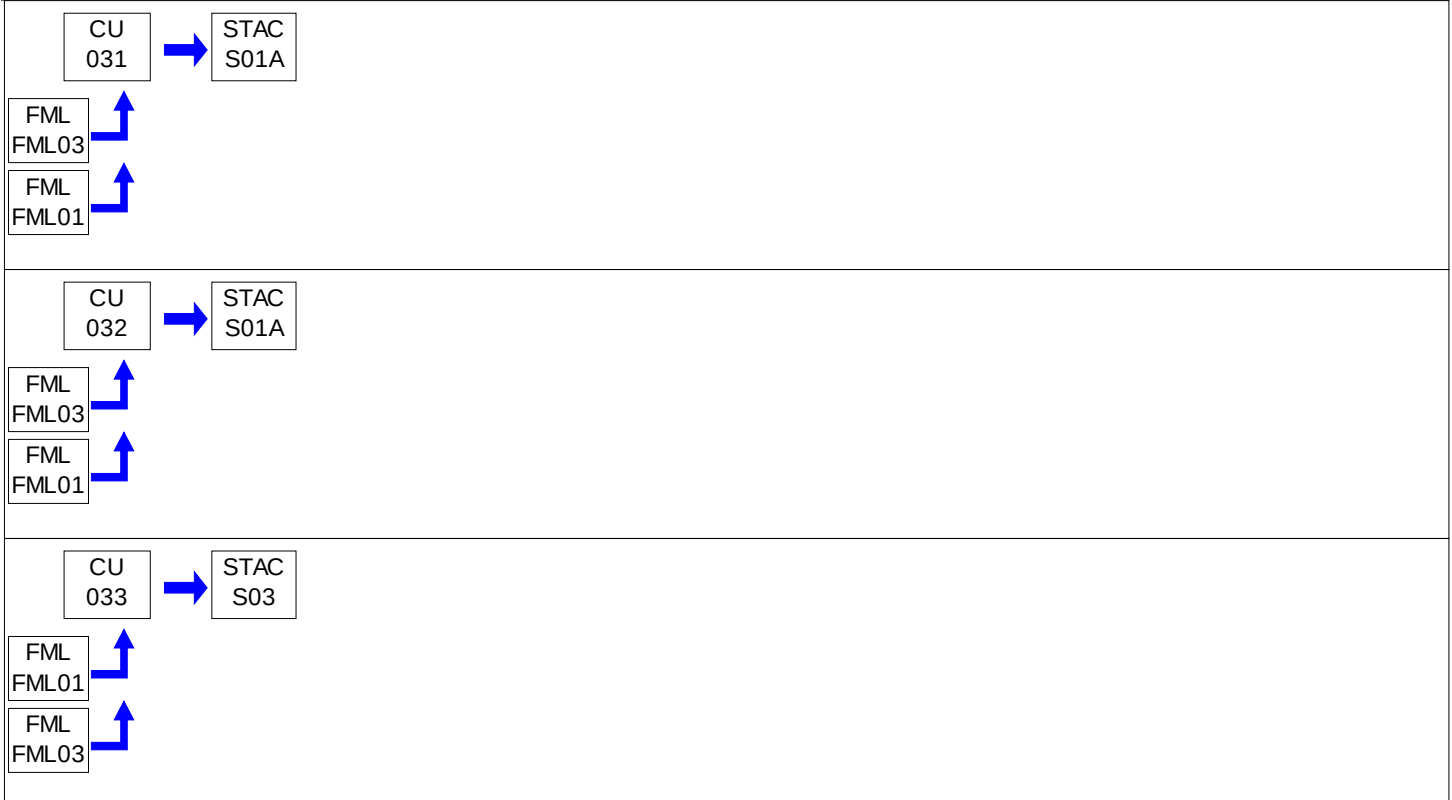
- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

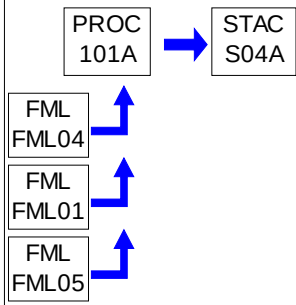
Section G. Emission Restriction Summary

Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	TITUSVILLE BOILER (#1)	15.700 MMBTU/HR	
		15.080 MCF/HR	Natural Gas
		87.000 Gal/HR	#2 Oil
032	ORR & SEMBOWER BOILER (#2)	8.950 MMBTU/HR	
		8.610 MCF/HR	Natural Gas
		55.000 Gal/HR	#2 Oil
033	KEWANEE BOILER (#3)	13.400 MMBTU/HR	
		12.920 MCF/HR	Natural Gas
		86.000 Gal/HR	#2 Oil
101A	EMERGENCY GENERATOR SETS (4)	73.100 Gal/HR	DIESEL FUEL
		2.230 MCF/HR	Natural Gas
FML01	NATURAL GAS PIPELINE		
FML03	10,000-GAL NO. 2 FUEL OIL UNDERGROUND STORAGE TKS (USTS) (2)		
FML04	750-GAL DIESEL FUEL ABOVEGROUND STORAGE TANK (AST)		
FML05	550-GAL DIESEL FUEL AST		
S01A	TITUSVILLE/ORR & SEMBOWER BOILERS STACK		
S03	KEWANEE BOILER STACK		
S04A	EMERGENCY GENERATOR SETS STACKS (4)		

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

**SECTION B. General State Only Requirements**

- (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:
 - (1) Enforcement action

**SECTION B. General State Only Requirements**

(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:

(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

**SECTION B. General State Only Requirements**

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:

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

**SECTION B. General State Only Requirements**

- (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)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

**SECTION B. General State Only Requirements****#015 [25 Pa. Code § 127.11a]****Reactivation of Sources**

- (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 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.

**SECTION B. General State Only Requirements****#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.

#023 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

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

**SECTION B. General State Only Requirements****#024 [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.

#025 [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.**

The permittee shall not cause or permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

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

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for 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 (see Condition # 008(a)–(g), Section C, of this permit); and
- (g) Sources and classes of sources other than those indicated in (a)–(h), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, 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**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(f), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

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

The permittee shall ensure that emission into the outdoor atmosphere of any malodorous air contaminants from any source occurs in such a manner that the malodors are not detectable outside the property of the person on whose land the source is being operated.

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

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this facility occurs in such a manner that the opacity of the emission is neither of the following:

- (a) equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour; and
- (b) equal to or greater than 60% at any time.

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

The opacity limitations of 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit) shall not apply to a visible emission in any of the following instances:

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

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

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (i.e., nitrogen oxide [NO] and nitrogen dioxide [NO₂]; NO_x) from this facility occurs in such a manner that the rate of the emission is less than 25 tons/yr, calculated monthly as a 12-month rolling sum.

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

The permittee shall not perform any open burning activities, except for the following:

- (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) A 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 may be in excess of the limitations specified in this Permit/Plan Approval, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

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

The permittee may measure visible air contaminant emissions 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 this facility, at least once per operating day, for the following:

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 004, Section C, of this permit);
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Conditions # 005–006, Section C, of this permit, respectively); and
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Conditions # 002–003, Section C, of this permit, respectively).

(b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility 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 6 months of daily monitoring, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly.
- (d) After 6 months of weekly monitoring, 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 complaints, monitoring results, and/or Department findings.

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

The permittee shall calculate the total NOx emissions from this facility on a monthly and 12-month rolling basis, using a Department-approved method(s).

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

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

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

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

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) De minimis emission increases without notification to the Department;
- (b) De minimis emission increases with notification to the Department, via letter;
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and exemption from Plan Approval/Operating Permit (RFD) to the Department; and
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

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

The permittee shall maintain records of the total NOx emissions from this facility on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. 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 all applicable provisions of the Clean Air Act, 40 C.F.R. 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).

**SECTION C. Site Level Requirements**

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets all applicable provisions of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the EPA 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 (3) years after the date on which a regulated substance is first listed in 40 C.F.R. § 68.130; and
- (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 C.F.R. § 68.190; and

(3) The permittee shall certify that the RMP is accurate and complete in accordance with all applicable provisions of 40 C.F.R. Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 C.F.R. § 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 any provisions of 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying all applicable provisions of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a); and

(2) Certify that the facility is in compliance with all applicable provisions of 40 C.F.R. Part 68 including the registration and submission of the RMP.

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

(f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 C.F.R. 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 C.F.R. Part 68.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

**SECTION C. Site Level Requirements**

- (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.

VI. WORK PRACTICE REQUIREMENTS.**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.1(c).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(f), Section C, of this permit), 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, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces that may give rise to airborne dusts;
- (c) Paving and maintenance of roadways; and
- (d) Prompt removal of earth or other material from paved roads onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.6(e)(1)(i)–(ii) and 63.11205(a), and 25 Pa. Code §§ 127.35(b) and 127.444.]

The permittee shall ensure that all source(s) and associated air pollution control device(s) are operated and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, as applicable, and in accordance with the manufacturers' specifications, as applicable.

020 [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 pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) identified in this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III.

**SECTION C. Site Level Requirements****# 021 [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), Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

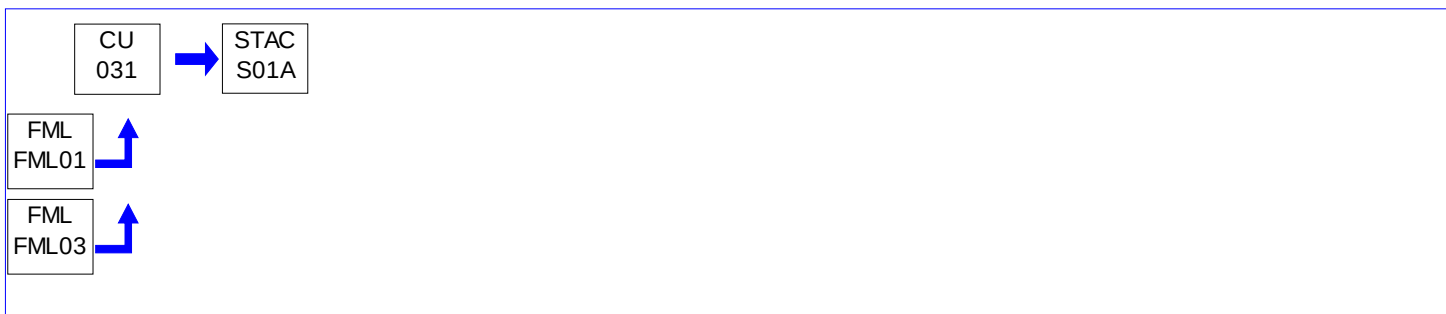
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: TITUSVILLE BOILER (#1)

Source Capacity/Throughput:	15.700	MMBTU/HR	
	15.080	MCF/HR	Natural Gas
	87.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a natural gas- (primary fuel) and No. 2 fuel oil- (auxiliary fuel) fired boiler, model no. SPW200, manufactured by Titusville Iron Works Co. The boiler is rated at 15.7 mmBtu/hr heat input for natural gas and 12.0 mmBtu/hr heat input for No. 2 fuel oil.

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: ORR & SEMBOWER BOILER (#2)

Source Capacity/Throughput:

8.950 MMBTU/HR

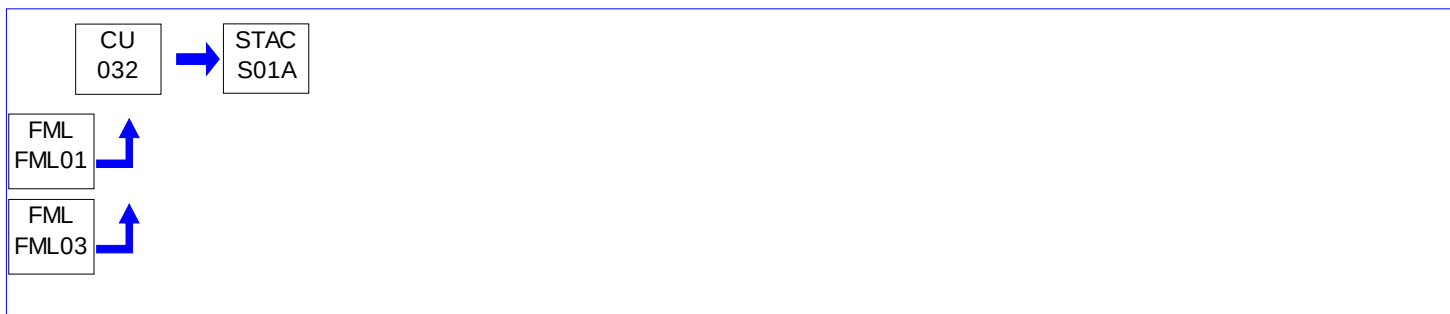
8.610 MCF/HR

Natural Gas

55.000 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a natural gas- (primary fuel) and No. 2 fuel oil- (auxiliary fuel) fired boiler, model no. 3H, manufactured by Orr & Sembower, Inc. The boiler is rated at 8.95 mmBtu/hr heat input for natural gas and 7.59 mmBtu/hr heat input for No. 2 fuel oil.

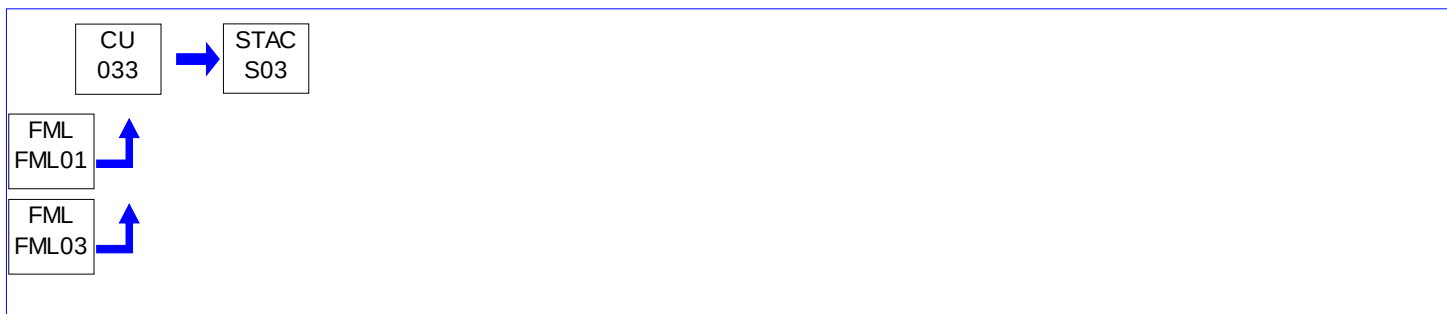
**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: KEWANEE BOILER (#3)

Source Capacity/Throughput:	13.400	MMBTU/HR	
	12.920	MCF/HR	Natural Gas
	86.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: GROUP 1

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of a natural gas- (primary fuel) and No. 2 fuel oil- (auxiliary fuel) fired boiler, model no. H3S-300-G05, manufactured by Kewanee Boiler Corp. The boiler is rated at 13.4 mmBtu/hr heat input for natural gas and 11.9 mmBtu/hr heat input for No. 2 fuel oil.

**SECTION D. Source Level Requirements**

Source ID: 101A

Source Name: EMERGENCY GENERATOR SETS (4)

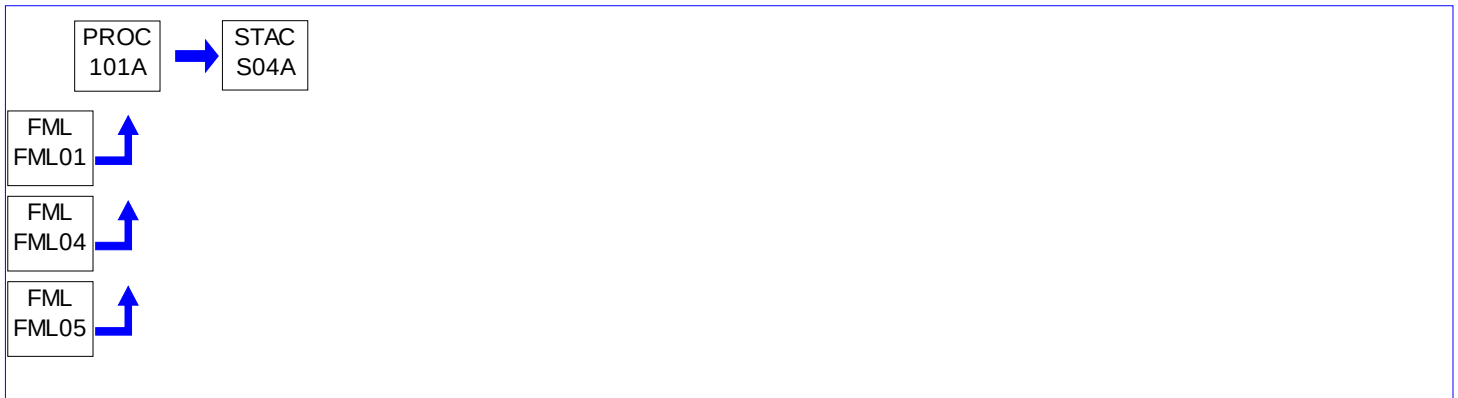
Source Capacity/Throughput:

73.100 Gal/HR

DIESEL FUEL

2.230 MCF/HR

Natural Gas

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

The permittee shall ensure that aggregate emissions into the outdoor atmosphere of NO_x from the plan approval-exempt engines of these emergency generator sets is less than the following rates:

- (a) 100 lbs/hr;
- (b) 1,000 lbs/day;
- (c) 2.75 tons per ozone season; and
- (d) 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

002 [25 Pa. Code §123.21]**General**

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

[Compliance with this condition may be demonstrated by verifying that the sulfur content of the diesel fuel oil is equal to or less than 15 ppm (0.0015%) by weight, as derived from 25 Pa. Code § 123.22(e)(2)(i).]

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

The permittee shall ensure that natural gas and diesel fuel are the only fuels consumed by the plan approval-exempt engines of these emergency generator sets.

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

The permittee shall limit the total hours of operation of each emergency engine to 400 hours per year, based on a 12-month rolling sum.

005 [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 also derived from 25 Pa. Code § 127.35]

**SECTION D. Source Level Requirements**

The permittee shall limit the hours of operation for this emergency generator as follows, according to 40 CFR § 63.6640(f):

(a) No more than one hundred (100) hours per year for maintenance checks and readiness testing as required by the manufacturer, insurance company, or government agency; and

(b) No more than fifty (50) hours in non-emergency situations, but these fifty must be counted toward the 100 hours for maintenance and readiness testing. These 50 hours cannot be used for peak shaving or to generate income by supplying power as part of a financial arrangement with another entity.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 139.16(1) and (3).]

(a) The following requirements are applicable to the diesel fuel consumed by the plan approval-exempt engines of these emergency generator sets:

(1) the fuel sample shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the permittee shall collect the sample employing the procedures and equipment specified in ASTM Standard D4057 or D4177, as appropriate; and

(2) unless an alternative method(s) is approved by the Department, in writing, only ASTM Standard D129, D1266, D1552, D2622, D4294, D5453, or D7039 may be used to determine the sulfur content of the diesel fuel.

(b) The requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of diesel fuel in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier that indicates the sulfur content or maximum sulfur content of the diesel fuel.

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total NO_x emissions (either actual or worst-case) from the plan approval-exempt engines of these emergency generator sets on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of diesel fuel received for the plan approval-exempt engines of these emergency generator sets. The laboratory analysis or other certification shall specify the sulfur content or maximum sulfur content of the diesel fuel.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the total NO_x emissions (either actual or worst-case) from the plan approval-exempt engines of these emergency generator sets on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35]

The following recordkeeping requirements apply to each engine, according to 40 CFR § 63.6655(f)(1):

**SECTION D. Source Level Requirements**

- (a) The permittee shall keep records of the hours of operation of the engine that is recorded through a non-resettable hour meter.
- (b) The permittee shall document how many hours are spent for emergency operation (12-month rolling), including what classified the operation as emergency and how many hours are spent for non-emergency operation (12-month rolling).
- (c) The permittee shall keep records of the maintenance conducted on the emergency generator in order to demonstrate that the source is operated and maintained according to a maintenance plan, according to 40 CFR § 63.6655(e)(2).

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.**

- (a) The permittee shall ensure that the emergency generators (Source ID: 101A) are operated only to provide electrical power or mechanical work during an emergency situation, such as producing power for critical networks or equipment or to supply power to portions of the facility when electric power from the local utility is interrupted, or used to pump water in the case of fire or flood.
- (b) The permittee shall ensure that the emergency generator engines meet the definition of institutional emergency stationary RICE (reciprocating internal combustion engines) in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR §63.6640(f).

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

Source ID 101A consists of the following exempted four (4) emergency generator sets (all installed prior to 2006):

- (1) EGEN 1: Caterpillar engine, Model 3456, rated at 610 hp, operating on diesel fuel and powering a Caterpillar XQ400-400 generator capable of producing 400 ekW. This unit was installed in 2004.
- (2) EGEN 2: Waukesha engine, Model F1197 G, rated at 248 hp, operating on natural gas, and powering a Kohler 140R72-76325A29 generator capable of producing 140 ekW. This unit was installed in 1970.
- (3) EGEN 3: Cummins engine, Model NT-855G2, rated at 355 hp, operating on diesel fuel, and powering a Kohler 230ROZ71 generator capable of producing 230 ekW. The unit was installed in 1985.
- (4) EGEN 4: Detroit Diesel engine, Model 8083-7305, rated at 480 horsepower, operating on diesel fuel, and powering a Marathon 500FDR8040AB-P596 generator capable of producing 260 ekW. This unit was installed in 1982.

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: Boilers

Sources included in this group

ID	Name
031	TITUSVILLE BOILER (#1)
032	ORR & SEMBOWER BOILER (#2)
033	KEWANEE 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 the rate of 0.4 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

[Compliance with this condition is met by using natural gas or No. 2 fuel oil only, as specified herein.]

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

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 (0.0015%) by weight sulfur content for No. 2 fuel oil, in accordance with 25 Pa. Code § 123.22(e)(2)(i), except as allowable in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this condition demonstrates compliance with the sulfur emission rate of 1.0 lb SO₂/MMBtu as found in 25 Pa. Code § 123.22(e)(1), for the inner zone, while firing No. 2 fuel oil.]

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

[Authority for this permit condition is derived from 25 Pa. Code § 127.35 and 40 CFR § 63.11194(d) and § 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 will result in the applicability of 40 CFR § 63 Subpart JJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers located at Area Sources.

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

The permittee shall limit the total amount of fuel consumed by all of the boilers listed in Group 1 (Source ID 031, 032, and 033) as follows:

- (a) 295,000 thousand cubic feet of natural gas per year, based on a 12-month rolling sum,
- (b) 12,000 gallons of No. 2 fuel oil per year, based on 12-month rolling sum.

II. TESTING REQUIREMENTS.**# 005 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 123.22(f)(1)(i) and 139.16(1) and (3).]

**SECTION E. Source Group Restrictions.**

(a) The following requirements are applicable to the No. 2 fuel oil consumed by this boiler:

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

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

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

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

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the amount and type of fuel consumed in this boiler on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the NO_x emissions from this boiler on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

008 [25 Pa. Code §123.22]

Combustion units

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.22(g)(1)(i)–(v).]

The permittee shall maintain records of the corresponding laboratory analysis or record of information required to be provided by the fuel supplier pursuant to 25 Pa. Code § 123.22(g)(1)(i)–(v) for each shipment of No. 2 fuel oil received for this boiler, as follows:

(a) The laboratory analysis shall specify the sulfur content or maximum sulfur content of the No. 2 fuel oil; and

(b) the record of information shall be in either an electronic or paper format, and shall legibly and conspicuously contain the following information:

- (1) the date of the sale or transfer;
- (2) the name and address of the fuel supplier;
- (3) the name and address (where the fuel is delivered) of the permittee;
- (4) the volume of No. 2 fuel oil purchased; and
- (5) the sulfur content or maximum sulfur content of the shipment of No. 2 fuel oil, determined in accordance with the sampling and testing methods specified in this permit. The maximum sulfur content may be expressed using the statement: "The sulfur content of this shipment is 500 ppm or below."

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.10(b)(2)(iii) and 63.11205(a), and 25 Pa. Code § 127.35(b).]

(a) The permittee shall maintain records of the operation and maintenance procedures for this boiler.

(b) The permittee shall maintain records of all maintenance performed for the boiler. These records shall include, at a

**SECTION E. Source Group Restrictions.**

minimum, the following:

- (1) the date of the maintenance; and
- (2) the type of maintenance performed.

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

The permittee shall maintain monthly records of the total amount for each type of fuel consumed in all of the boilers listed in Group 1, including 12-month rolling sums of the amount of each fuel consumed.

011 Elective Restriction

[Authority for this permit condition is derived from 25 Pa. Code § 127.35 and 40 CFR § 63.11237.]

When the boiler operates on liquid fuel oil, the permittee shall maintain records of the following information on an annual basis:

- (a) the number of hours the boiler operated,
- (b) the reason for operation, i.e. gas curtailment, gas supply emergency, or periodic testing on liquid fuel.

V. REPORTING REQUIREMENTS.**# 012 [25 Pa. Code §123.11]****Combustion units**

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

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.

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description			
031	TITUSVILLE BOILER (#1)			
Emission Limit		Pollutant		
0.400	Lbs/MMBTU	Heat Input	TSP	
032	ORR & SEMBOWER BOILER (#2)			
Emission Limit		Pollutant		
0.400	Lbs/MMBTU	Heat Input	TSP	
033	KEWANEE BOILER (#3)			
Emission Limit		Pollutant		
0.400	Lbs/MMBTU	Heat Input	TSP	
101A	EMERGENCY GENERATOR SETS (4)			
Emission Limit		Pollutant		
2.750	Tons/OZNESEAS	From the Plan Approval-Exempt Engines	NOX	
6.600	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Plan Approval-Exempt Engines	NOX	
100.000	Lbs/Hr	From the Plan Approval-Exempt Engines	NOX	
1,000.000	Lbs/Day	From the Plan Approval-Exempt Engines	NOX	
500.000	PPMV	Dry Basis; As SO ₂ ; From Each of the Plan Approval-Exempt Engines	SOX	
0.040	gr/DRY FT ³	From Each of the Plan Approval-Exempt Engines	TSP	

Site Emission Restriction Summary

Emission Limit		Pollutant
25.000 Tons/Yr	Less Than; 12-Month Rolling Basis, Calculated Monthly	NOX

**SECTION H. Miscellaneous.**

(a) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Operating Permit No. 23-302-080.
- (2) RFD No. 23-A01-787.

(b) Pursuant to Condition # 011(d), Section C, of this permit, on October 4, 2008, the Department approved the permittee's request to reduce the frequency of monitoring the facility for objectionable odors, visible air contaminant emissions, and fugitive air contaminant emissions to monthly. The Department reserves the right to change this frequency of monitoring pursuant to Condition # 011(e), Section C, of this permit.

(c) Two hydrogen peroxide sterilizers, model type/nos. STERRAD 100S and STERRAD NX, manufactured by Advanced Sterilization Products, have been determined by the Department to be insignificant sources of air contaminant emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping, except as indicated elsewhere in this permit. They are still subject to any applicable federal, state, and local laws and regulations, including those indicated in Section C, of this permit.

(d) 2002 INITIAL SMOP AUTH ID 354488

(e) 2008 RENEWAL 1 AUTH ID 683299

The following has been updated with this renewal permit:

(1) The following fuel material locations have replaced the No. 2 fuel oil tank (Source ID FML02) in the permit maps for the boilers and emergency generator sets in Sections A (Site Inventory List) and D, of this permit, as follows:

FML03: 10,000-gal No. 2 Fuel Oil USTs (2), Boilers (Source IDs 031 - 033)
FML04: 750-gal Diesel Fuel AST, Emergency Generator Set #2 (of Source ID 101A)
FML04: 550-gal Diesel Fuel AST, Emergency Generator Sets #4 & #5 (of Source ID 101A)

(2) Section B and Section C have been updated according to SERO most current template.

(f) 2014 RENEWAL 2 AUTH ID 971865

The following has been updated with this renewal permit:

(1) The responsible official has been changed to Brian M. Crimmins, Vice President, Facilities Planning & Development at (610) 338-8240.

(2) The applicable requirements of 40 CFR Part 63 Subpart JJJJJ have been added to the Boilers (Source ID 031, 032, 033).

(3) The NOx emission limits exemption criteria of the Exemption Document No. 275-2101-003, dated November 17, 2001 have been added to the exempt engines listed in Source ID 101A.

(4) The engines listed in Source ID 101A are exempt from the requirements of 40 CFR Part 63 Subpart ZZZZ in accordance with 40 CFR § 63.6585(f)(3). The facility is a hospital and the engines were installed prior to 2006; therefore, the engines are defined as existing institutional emergency RICE located at an area source of HAP emissions. The operating restrictions of 40 CFR § 63.6640(f)(4)(ii) have been added to the permit.

(g) 2016 AMENDMENT 1 AUTH ID 1140520

The following has been addressed with this Administrative Amendment to State Only Operating Permit:

(1) Change of ownership from "Delaware County Memorial Hospital" (Tax ID 23-0517130) to "Prospect DCMH, LLC" (Tax ID 81-0517130). The PF Name remains DELAWARE CNTY MEM HOSP/DREXEL HILL.

(2) Section B and Section C have been updated according to SERO most current template.

**SECTION H. Miscellaneous.**

(3) The sulfur requirements of 25 Pa. Code § 123.22 have been updated as applicable for the Boilers listed as Source ID 031, 032, 033.

(h) 2020 RENEWAL 3 AUTH ID 1249420 – No significant changes to the permit, no new sources, no new applicable regulations.

(i) 2021 AMENDMENT 2 AUTH ID 1361058 – This amendment addresses a change in Responsible Official from Forrest Creasy, East Regional VP of Facilities, to George Sorbino, Systems Director of Facilities and Real Estate. The permit contact was changed from Pat McHale, Director of Facilities and Capital Projects, to Terry Brida, Director of Facilities Services.

(j) 2025 RENEWAL 4 AUTH ID 1494924

The following has been updated with this renewal:

(1) The responsible official has been updated from George Sorbino to Carson Turner, Senior System Director of Facilities and Real Estate, and the inspection and permit contacts have been updated from Pat McHale to Carson Turner.

(2) Section B (General Requirements) and Section C (Site Level Requirements) of the permit have been updated to the most current template language used for State Only Operating Permits issued in the Southeast Region. Section H (Miscellaneous Section) is for informational purposes and has been cleaned up for clarity and consistency. Past review memos associated with each AUTH ID will be the source for detailed revisions per permit action.

(3) In order to maintain the synthetic minor status for facility-wide NO_x emissions the following restrictions have been added to Section D (Source Level Requirements):

(i) Each EGEN listed in Source ID 101A is restricted to a total operating time of less than 400 hours per year (revised from 500 hours per year).

(ii) Total fuel oil usage is restricted to 12,000 gallons per year for all three boilers (Source ID 031, 032, 033).

(iii) Total natural gas usage is restricted to 295,000 thousand cubic feet per year for all three boilers (Source ID 031, 032, 033).

(4) An elective restriction to escape MACT requirements of 40 CFR Part 63 Subpart JJJJJJ has been added to the Boilers (Source ID 031, 032, and 033). The boilers are defined as gas-fired boilers as per 40 CFR Section 63.11237. The requirements of 40 CFR Part 63 Subpart JJJJJJ have been removed from the permit.

(5) Grouped conditions now appear in Section E, the emission restriction summary now appears as Section G, and the Miscellaneous Section is now Section H of the permit. Boiler conditions have been grouped as necessary.

(k) 2025 Administrative Amendment AUTH ID 1549275 - Change of ownership from Prospect Delaware County Memorial Hospital, LLC (Tax ID 81-0517130) to Upper Darby School District (Tax ID 23-1743626).



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