



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: April 22, 2020 Effective Date: August 17, 2021
Revision Date: August 17, 2021 Expiration Date: April 21, 2025
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: 81-1520273-1

Owner Information

Name: PROSPECT DCMH LLC
Mailing Address: 501 N LANSDOWNE AVE
DREXEL HILL, PA 19026-1114

Plant Information

Plant: DELAWARE CNTY MEM HOSP/DREXEL HILL
Location: 23 Delaware County 23003 Upper Darby Township
SIC Code: 8062 Services - General Medical And Surgical Hospitals

Responsible Official

Name: GEORGE SORBINO
Title: DIR FAC & REAL ESTATE
Phone: (610) 328 - 8923 Email: george.sorbino@crozer.org

Permit Contact Person

Name: PAT MCHALE
Title: DIR FAC & CAPITAL PROJ
Phone: (610) 284 - 8246 Email: pat.mchale@crozer.org

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



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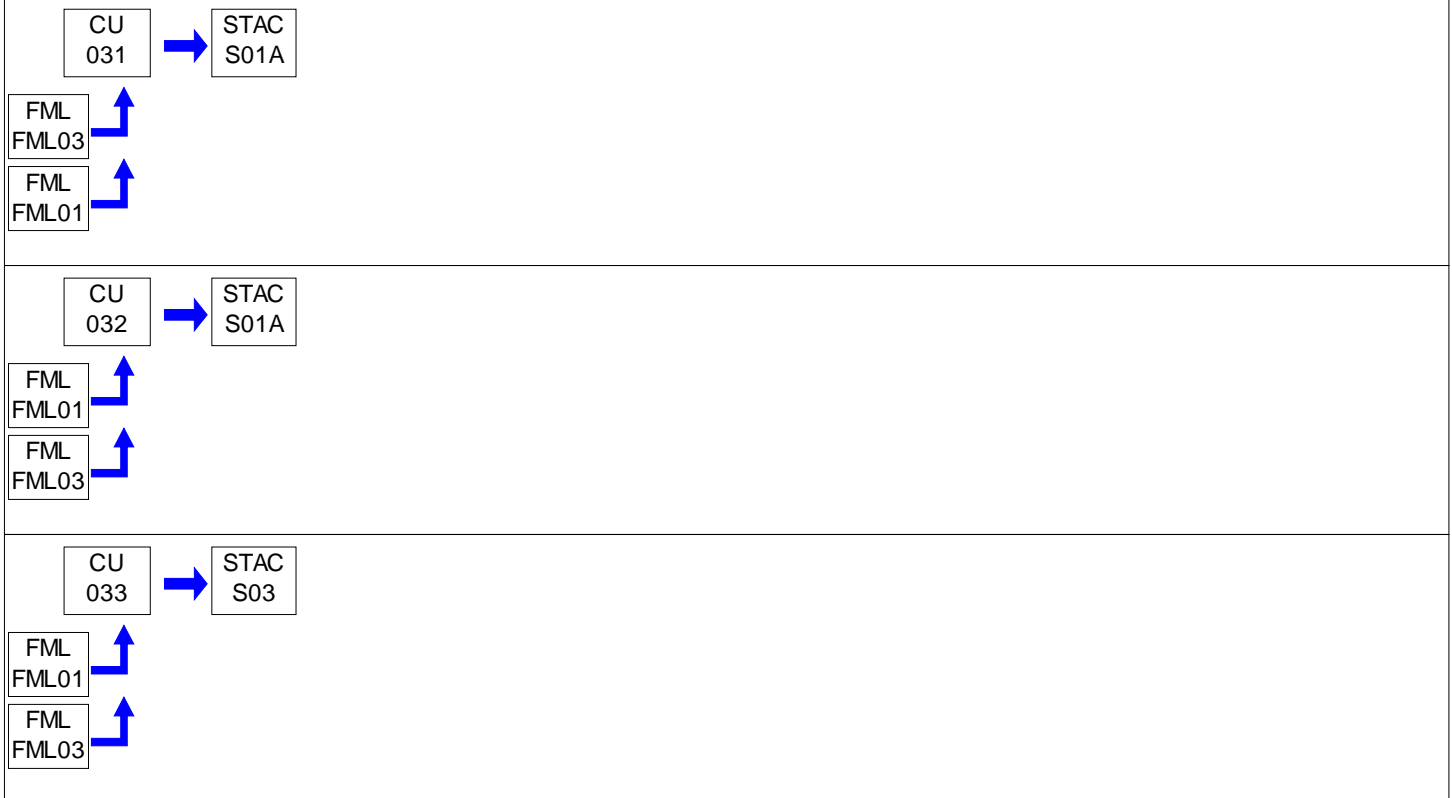
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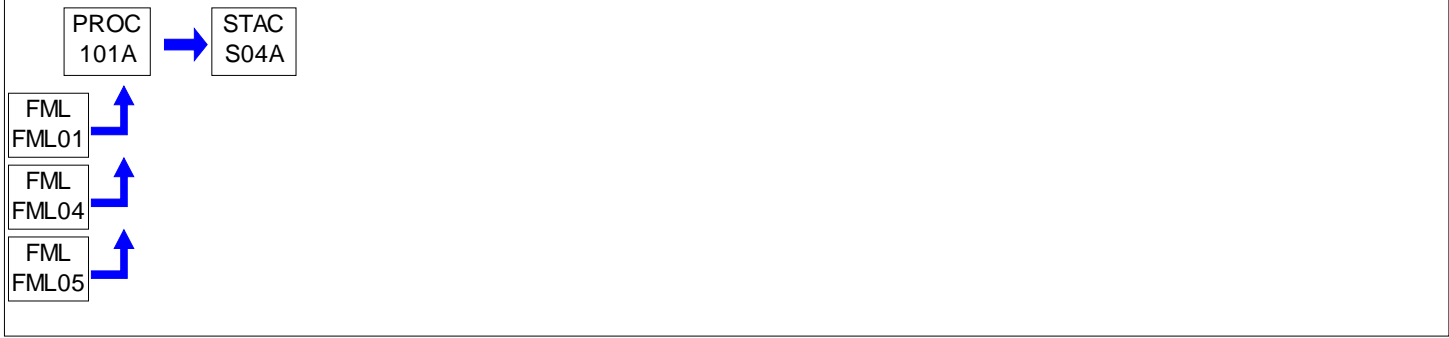
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	TITUSVILLE BOILER (#1)	15.700 MMBTU/HR	
		87.000 Gal/HR	#2 Oil
		15.080 MCF/HR	Natural Gas
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		
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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.**

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 emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit) shall not apply to a visible air contaminant emission in either of the following instances:

- (a) when the presence of uncombined water is the only reason for failure of the emission to meet the restrictions; or
- (b) when the emission results from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(f), Section C, of this permit).

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.

SECTION C. Site Level Requirements**# 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(s) listed in this permit, may be 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, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).
- (b) The permittee shall perform any test(s) required in (a), above, in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and 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:
 - (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

**SECTION C. Site Level Requirements**

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.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.10(b)(1) and 63.11225(d), and 25 Pa. Code § 127.35(b).]

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

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

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions, including deviations from the conditions found in Conditions # 002–005, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

- (1) a description of the deviation;
- (2) the source(s) and/or associated air pollution control device(s) and location(s);
- (3) the duration (including the starting and ending date(s) and times);
- (4) the cause(s); and
- (5) the corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

(b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

015 [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.

016 [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.**# 017 [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.

018 [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. 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 permittee 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

**SECTION C. Site Level Requirements**

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 the permittee 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.**# 019 [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.

020 [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 the source(s) and associated air pollution control device(s) listed in this permit, 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.

021 [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) listed 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.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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



SECTION C. Site Level Requirements

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.

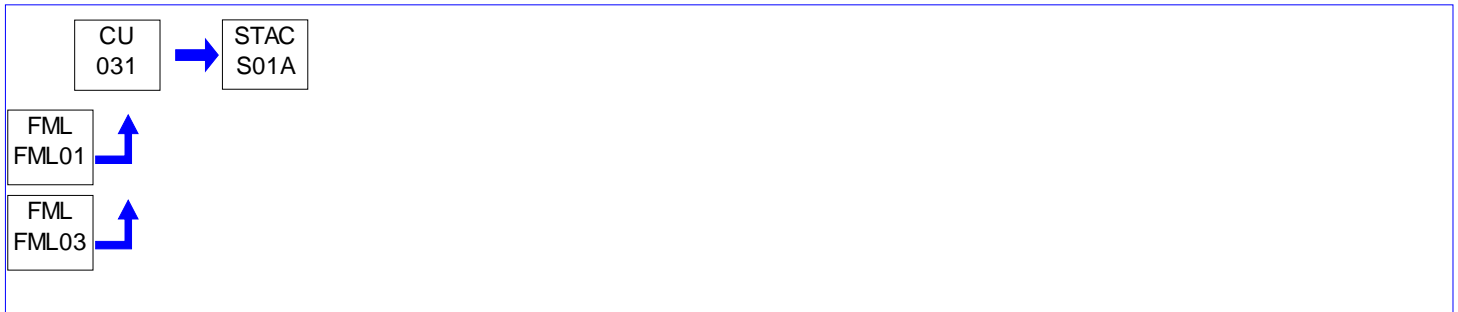
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: TITUSVILLE BOILER (#1)

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

Conditions for this source occur in the following groups: GROUP 2

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

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

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

(1) a sample of the No. 2 fuel oil 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 International (ASTM) Standard D4057 or D4177, as appropriate.

(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 No. 2 fuel oil.

(b) The requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of No. 2 fuel oil in the event that the permittee obtains either a laboratory analysis, or the record of information required to be provided by the fuel supplier pursuant to 25 Pa. Code § 123.22(g)(1)(i)–(v) (see Condition # 006(b)(1)–(5), Section D (under Source ID 031), of this permit), that indicates the sulfur content or maximum sulfur content of the No. 2 fuel oil.

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

[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

**SECTION D. Source Level Requirements**

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 Condition # 003(a)(1)–(2), Section D (under Source ID 031), of this permit. The maximum sulfur content may be expressed using the statement: "The sulfur content of this shipment is 500 ppm or below."

003 [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 (i.e., routine and/or preventative maintenance, including readiness testing and tune-ups; repairs; parts replacement; adjustments; calibrations; etc.) performed for the boiler. These records shall include, at a minimum, the following:
 - (1) The date of the maintenance; and
 - (2) The type of maintenance performed.

004 [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)(xiv), 63.11201(b), 63.11214(b), 63.11223(a) and (b)(6)(i)–(iii), and 63.11225(c)(1)–(2); and 25 Pa. Code § 127.35(b).]

The permittee shall maintain records of the following for this boiler:

- (a) All notifications and reports required to comply with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJJ (along with all supporting documentation).
- (b) The following for each tune-up, performed in accordance with Condition # 011, Section D (under Source ID 031), of this permit:
 - (1) a description of the boiler;
 - (2) the date of the tune-up;
 - (3) the name of the service company and technicians;
 - (4) the procedures followed for the tune-up;
 - (5) the manufacturer's specifications to which the boiler was tuned;
 - (6) the operating load; and
 - (7) a report including the following information (to be submitted to the EPA, upon request):
 - (i) The concentrations of the following constituents in the exhaust gas, both before and after the tune-up:
 - (A) NO_x (ppmv, dry basis);
 - (B) Carbon monoxide (CO) (ppmv, dry basis); and
 - (C) Oxygen (O₂) (volume percent);
 - (ii) the types and amounts of fuel consumed over the 12 months prior to the tune-up.
 - (iii) any corrective actions taken during the tune-up.
- (c) The report associated with the energy assessment required in Condition # 012, Section D (under Source ID 031), of this permit.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.9(h)(1)–(2), 63.11214(b)–(c), and 63.11225(a)–(b); and 25 Pa. Code § 127.35(b).]

**SECTION D. Source Level Requirements**

- (a) On or before July 19, 2014, the permittee shall submit, to the EPA and the Department, a Notification of Compliance Status for the boiler, as follows:
- (1) the Notification of Compliance Status shall include the following information:
 - (i) the methods used to come into initial compliance;
 - (ii) the methods that will be used to demonstrate continuing compliance, including a description of all monitoring, recordkeeping, reporting, and work practice requirements; and
 - (iii) a statement indicating whether the boiler has complied with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJJ, along with the following certifications of compliance (verbatim), as appropriate:
 - (A) "this facility has complied with the requirement indicated in 40 C.F.R. § 63.11214(b) to perform an initial tune-up of the boiler"; or
 - (B) "this facility has complied with the requirement indicated in 40 C.F.R. § 63.11214(c) to have an energy assessment performed."
 - (2) The Notification of Compliance Status shall be submitted electronically to the EPA using the Compliance and Emissions Data Reporting Interface (CEDRI) accessed through EPA's Central Data Exchange (CDX) at www.epa.gov/cdx. However, if the reporting form for 40 C.F.R. Part 63, Subpart JJJJJJ, is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status shall be submitted instead.
- (b) On or before March 1 of every other year (i.e., on a biennial basis), the permittee shall prepare a compliance certification report for the boiler. The compliance certification report shall include the following information (to be submitted to the Department, upon request):
- (1) the name and address of the permittee; and
 - (2) a statement indicating whether the boiler has complied with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJJ, along with a certification of compliance (verbatim) that: "This facility has complied with the requirements indicated in 40 C.F.R. § 63.11223(a)–(b) to perform a biennial tune-up of the boiler."
- (c) The notification and report indicated in (a)–(b), above, shall be certified for truth, accuracy, and completeness by the responsible official for the facility, as indicated on the cover page of this permit, and include the responsible official's name, title, phone number, e-mail address, and signature.

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.11196(a)(1), 63.11201(b), 63.11214(b), and 63.11223(a) and (b)(1)–(5) and (7); and 25 Pa. Code § 127.35(b).]

- (a) On or before March 21, 2014, the permittee shall perform a tune-up of this boiler, in accordance with the manufacturer's specifications. The tune-up shall be performed while the boiler is operating at high fire or typical operating load and consuming the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up. The tune-up shall include, 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;
 - (2) inspection of the flame pattern or characteristics and adjustments necessary to optimize the flame pattern or characteristics and minimize the total emissions of NO_x and, to the extent practicable, the total emissions of CO. To confirm that the total emissions of NO_x and CO have been minimized, the permittee shall measure the rates and concentrations, as applicable, of the following constituents in the exhaust gas, both before and after the tune-up, using a Department-approved portable analyzer:
 - (i) NO_x (ppmv, dry basis).
 - (ii) CO (ppmv, dry basis).
 - (iii) O₂ (volume percent).
 - (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation.
- (b) The permittee shall perform subsequent tune-ups on a biennial basis (not to exceed 25 months after the previous tune-up), except as follows:

SECTION D. Source Level Requirements

- (1) if the boiler is not operating on the required date of the tune-up (i.e. the 2-year anniversary of the previous tune-up), the tune-up may be delayed until up to 30 days after the boiler resumes operation; or
- (2) the inspections required in (a)(1) and (3), above, may be delayed until the next scheduled boiler shutdown (not to exceed 36 months after the previous inspections).

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.11196(a)(3), 63.11201(b), and 63.11214(c); and 25 Pa. Code § 127.35(b).]

(a) Except as specified in (b)(1)–(2), below, on or before March 21, 2014, the permittee shall have an energy assessment of this boiler and associated energy use system(s)¹ performed by a qualified energy assessor.¹ The energy assessment shall be approximately 8 on-site technical labor hours in length (or longer, at the discretion of the permittee), and include, at a minimum, the following:

- (1) a visual inspection of the boiler system;¹
- (2) an evaluation of the operating characteristics of the boiler system, specifications of the energy use systems, operating and maintenance procedures, and any unusual operating constraints;
- (3) an inventory of the energy use systems;
- (4) a review of all available architectural and engineering plans, operation and maintenance procedures, operation and maintenance records, and fuel usage records; and
- (5) the following for the boiler system and any associated energy use system(s) accounting for at least 50% of the boiler's energy (e.g., steam, hot water, or electricity) production, as applicable:
 - (i) A list of major energy conservation measures that are within the permittee's control;
 - (ii) A list of the energy savings potential of the energy conservation measures identified; and

¹ As defined in 40 C.F.R. § 63.11237.

(iii) a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(b) The permittee is not required to have an energy assessment performed for the boiler and associated energy use systems if either of the following apply:

- (1) an energy assessment was performed on or after January 1, 2008, that meets, or is amended to meet, the requirements specified in (a)(1)–(5), above (the energy assessor approval and qualification requirements are waived for this energy assessment); or
- (2) the permittee operates under an energy management program compatible with ISO 50001 that includes the boiler and associated energy use systems.

VII. ADDITIONAL REQUIREMENTS.**# 008 [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.

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

This boiler is subject to, and shall comply with all applicable provisions of, 40 C.F.R. Part 63, Subpart JJJJJJ. In accordance with 40 C.F.R. § 63.13, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. Except as specified in Condition # 010(b)(2), Section D (under Source ID 031), of this permit, the EPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance Assistance (3AP20)
U.S. EPA, Region III



SECTION D. Source Level Requirements

1650 Arch Street
Philadelphia, PA 19103-2029

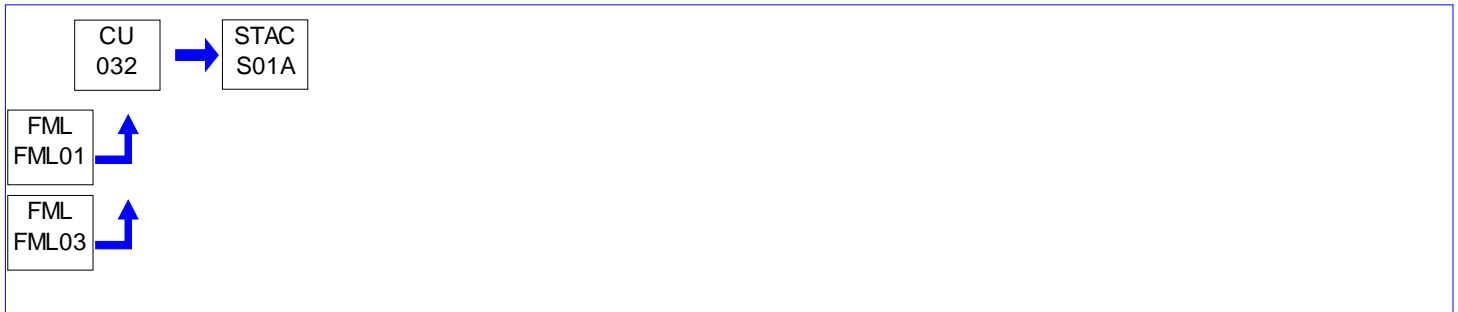
**SECTION D. Source Level Requirements**

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 2

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

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

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

(1) a sample of the No. 2 fuel oil 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 International (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 No. 2 fuel oil.

(b) The requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of No. 2 fuel oil in the event that the permittee obtains either a laboratory analysis, or the record of information required to be provided by the fuel supplier pursuant to 25 Pa. Code § 123.22(g)(1)(i)–(v) (see Condition # 006(b)(1)–(5), Section D (under Source ID 032), of this permit), that indicates the sulfur content or maximum sulfur content of the No. 2 fuel oil.

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

[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

**SECTION D. Source Level Requirements**

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 Condition # 003(a)(1)–(2), Section D (under Source ID 032), of this permit. The maximum sulfur content may be expressed using the statement: "The sulfur content of this shipment is 500 ppm or below."

003 [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 minimum, the following:
 - (1) the date of the maintenance; and
 - (2) the type of maintenance performed.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.11201(b), 63.11214(b), 63.11223(a) and (b)(6)(i)–(iii), and 63.11225(c)(1)–(2); and 25 Pa. Code § 127.35(b).]

The permittee shall maintain records of the following for this boiler:

- (a) All notifications and reports required to comply with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJJ (along with all supporting documentation).
- (b) The following for each tune-up, performed in accordance with Condition # 011, Section D (under Source ID 032), of this permit:
 - (1) a description of the boiler;
 - (2) the date of the tune-up;
 - (3) the name of the service company and technicians;
 - (4) the procedures followed for the tune-up;
 - (5) the manufacturer's specifications to which the boiler was tuned;
 - (6) the operating load; and
 - (7) a report including the following information (to be submitted to the EPA, upon request):
 - (i) the concentrations of the following constituents in the exhaust gas, both before and after the tune-up:
 - (A) NO_x (ppmv, dry basis).
 - (B) CO (ppmv, dry basis).
 - (C) O₂ (volume percent).
 - (ii) the types and amounts of fuel consumed over the 12 months prior to the tune-up; and
 - (iii) any corrective actions taken during the tune-up.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.9(h)(1)–(2), 63.11214(b)–(c), and 63.11225(a)–(b); and 25 Pa. Code § 127.35(b).]

- (a) On or before July 19, 2014, the permittee shall submit, to the EPA and the Department, a Notification of Compliance Status for the boiler, as follows:
 - (1) The Notification of Compliance Status shall include the following information:

SECTION D. Source Level Requirements

- (i) the methods used to come into initial compliance;
 - (ii) the methods that will be used to demonstrate continuing compliance, including a description of all monitoring, recordkeeping, reporting, and work practice requirements; and
 - (iii) a statement indicating whether the boiler has complied with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJ, along with a certification of compliance (verbatim) that: "This facility has complied with the requirement indicated in 40 C.F.R. § 63.11214(b) to perform an initial tune-up of the boiler."
- (2) The Notification of Compliance Status shall be submitted electronically to the EPA using the CEDRI accessed through EPA's CDX at www.epa.gov/cdx. However, if the reporting form for 40 C.F.R. Part 63, Subpart JJJJJ, is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status shall be submitted instead.
- (b) On or before March 1 of every other year, the permittee shall prepare a compliance certification report for the boiler. The compliance certification report shall include the following information (to be submitted to the Department, upon request):
- (1) the name and address of the permittee; and
 - (2) a statement indicating whether the boiler has complied with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJ, along with a certification of compliance (verbatim) that: "This facility has complied with the requirements indicated in 40 C.F.R. § 63.11223(a)–(b) to perform a biennial tune-up of the boiler."
- (c) The notifications and report indicated in (a)–(b), above, shall be certified for truth, accuracy, and completeness by the responsible official for the facility, as indicated on the cover page of this permit, and include the responsible official's name, title, phone number, e-mail address, and signature.

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.11196(a)(1), 63.11201(b), 63.11214(b), and 63.11223(a) and (b)(1)–(5) and (7); and 25 Pa. Code § 127.35(b).]

- (a) On or before March 21, 2014, the permittee shall perform a tune-up of this boiler, in accordance with the manufacturer's specifications. The tune-up shall be performed while the boiler is operating at high fire or typical operating load and consuming the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up. The tune-up shall include, 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;
 - (2) inspection of the flame pattern or characteristics and adjustments necessary to optimize the flame pattern or characteristics and minimize the total emissions of NO_x and, to the extent practicable, the total emissions of CO. To confirm that the total emissions of NO_x and CO have been minimized, the permittee shall measure the rates and concentrations, as applicable, of the following constituents in the exhaust gas, both before and after the tune-up, using a Department-approved portable analyzer:
 - (i) NO_x (ppmv, dry basis).
 - (ii) CO (ppmv, dry basis).
 - (iii) O₂ (volume percent).
 - (3) inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation.
- (b) The permittee shall perform subsequent tune-ups on a biennial basis (not to exceed 25 months after the previous tune-up), except as follows:
- (1) if the boiler is not operating on the required date of the tune-up, the tune-up may be delayed until up to 30 days after the boiler resumes operation; or
 - (2) the inspections required in (a)(1) and (3), above, may be delayed until the next scheduled boiler shutdown (not to exceed 36 months after the previous inspections).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 007 [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.

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

This boiler is subject to, and shall comply with all applicable provisions of, 40 C.F.R. Part 63, Subpart JJJJJJ. In accordance with 40 C.F.R. § 63.13, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. Except as specified in Condition # 010(b)(2), Section D (under Source ID 032), of this permit, the EPA copies shall be forwarded to:

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

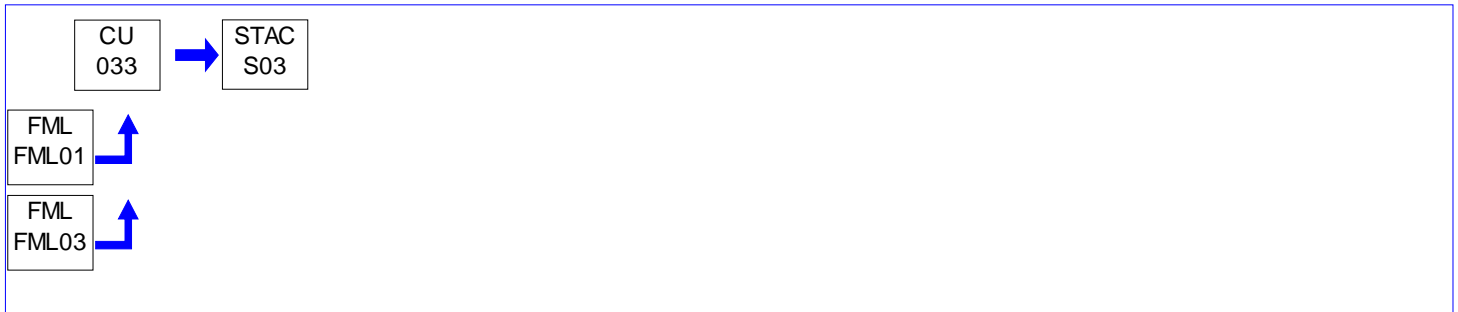
**SECTION D. Source Level Requirements**

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 2

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

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

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

(1) a sample of the No. 2 fuel oil 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 International (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 No. 2 fuel oil.

(b) The requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of No. 2 fuel oil in the event that the permittee obtains either a laboratory analysis, or the record of information required to be provided by the fuel supplier pursuant to 25 Pa. Code § 123.22(g)(1)(i)–(v) (see Condition # 006(b)(1)–(5), Section D (under Source ID 033), of this permit), that indicates the sulfur content or maximum sulfur content of the No. 2 fuel oil.

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

[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

**SECTION D. Source Level Requirements**

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 Condition # 003(a)(1)–(2), Section D (under Source ID 033), of this permit. The maximum sulfur content may be expressed using the statement: "The sulfur content of this shipment is 500 ppm or below."

003 [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 minimum, the following:
 - (1) the date of the maintenance; and
 - (2) the type of maintenance performed.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.11201(b), 63.11214(b), 63.11223(a) and (b)(6)(i)–(iii), and 63.11225(c)(1)–(2); and 25 Pa. Code § 127.35(b).]

The permittee shall maintain records of the following for this boiler:

- (a) all notifications and reports required to comply with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJJ (along with all supporting documentation);
- (b) the following for each tune-up, performed in accordance with Condition # 011, Section D (under Source ID 033), of this permit:
 - (1) a description of the boiler;
 - (2) the date of the tune-up'
 - (3) the name of the service company and technicians;
 - (4) the procedures followed for the tune-up;
 - (5) the manufacturer's specifications to which the boiler was tuned;
 - (6) the operating load; and
 - (7) a report including the following information (to be submitted to the EPA, upon request):
 - (i) the concentrations of the following constituents in the exhaust gas, both before and after the tune-up:
 - (A) NO_x (ppmv, dry basis);
 - (B) CO (ppmv, dry basis); and
 - (C) O₂ (volume percent).
 - (ii) the types and amounts of fuel consumed over the 12 months prior to the tune-up; and
 - (iii) any corrective actions taken during the tune-up.
- (c) The report associated with the energy assessment required in Condition # 012, Section D (under Source ID 033), of this permit.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.9(h)(1)–(2), 63.11214(b)–(c), and 63.11225(a)–(b); and 25 Pa. Code § 127.35(b).]

**SECTION D. Source Level Requirements**

- (a) On or before July 19, 2014, the permittee shall submit, to the EPA and the Department, a Notification of Compliance Status for the boiler, as follows:
- (1) The Notification of Compliance Status shall include the following information:
 - (i) the methods used to come into initial compliance;
 - (ii) the methods that will be used to demonstrate continuing compliance, including a description of all monitoring, recordkeeping, reporting, and work practice requirements; and
 - (iii) a statement indicating whether the boiler has complied with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJJ, along with the following certifications of compliance (verbatim), as appropriate:
 - (A) "this facility has complied with the requirement indicated in 40 C.F.R. § 63.11214(b) to perform an initial tune-up of the boiler"; and
 - (B) "this facility has complied with the requirement indicated in 40 C.F.R. § 63.11214(c) to have an energy assessment performed."
 - (2) The Notification of Compliance Status shall be submitted electronically to the EPA using the CEDRI accessed through EPA's CDX at www.epa.gov/cdx. However, if the reporting form for 40 C.F.R. Part 63, Subpart JJJJJJ, is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status shall be submitted instead.
- (b) On or before March 1 of every other year, the permittee shall prepare a compliance certification report for the boiler. The compliance certification report shall include the following information (to be submitted to the Department, upon request):
- (1) the name and address of the permittee; and
 - (2) a statement indicating whether the boiler has complied with all applicable provisions of 40 C.F.R. Part 63, Subpart JJJJJJ, along with a certification of compliance (verbatim) that: "This facility has complied with the requirements indicated in 40 C.F.R. § 63.11223(a)–(b) to perform a biennial tune-up of the boiler."
- (c) The notification and report indicated in (a)–(b), above, shall be certified for truth, accuracy, and completeness by the responsible official for the facility, as indicated on the cover page of this permit, and include the responsible official's name, title, phone number, e-mail address, and signature.

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.11196(a)(1), 63.11201(b), 63.11214(b), and 63.11223(a) and (b)(1)–(5) and (7); and 25 Pa. Code § 127.35(b).]

- (a) On or before March 21, 2014, the permittee shall perform a tune-up of this boiler, in accordance with the manufacturer's specifications. The tune-up shall be performed while the boiler is operating at high fire or typical operating load and consuming the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up. The tune-up shall include, 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;
 - (2) inspection of the flame pattern or characteristics and adjustments necessary to optimize the flame pattern or characteristics and minimize the total emissions of NO_x and, to the extent practicable, the total emissions of CO. To confirm that the total emissions of NO_x and CO have been minimized, the permittee shall measure the rates and concentrations, as applicable, of the following constituents in the exhaust gas, both before and after the tune-up, using a Department-approved portable analyzer:
 - (i) NO_x (ppmv, dry basis);
 - (ii) CO (ppmv, dry basis); and
 - (iii) O₂ (volume percent).
 - (3) inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation.
- (b) The permittee shall perform subsequent tune-ups on a biennial basis (not to exceed 25 months after the previous tune-up), except as follows:
- (1) if the boiler is not operating on the required date of the tune-up, the tune-up may be delayed until up to 30 days after the boiler resumes operation; or

SECTION D. Source Level Requirements

(2) the inspections required in (a)(1) and (3), above, may be delayed until the next scheduled boiler shutdown (not to exceed 36 months after the previous inspections).

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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 63.11196(a)(3), 63.11201(b), and 63.11214(c); and 25 Pa. Code § 127.35(b).]

(a) Except as specified in (b)(1)–(2), below, on or before March 21, 2014, the permittee shall have an energy assessment of this boiler and associated energy use system(s) performed by a qualified energy assessor. The energy assessment shall be approximately 8 on-site technical labor hours in length (or longer, at the discretion of the permittee), and include, at a minimum, the following:

- (1) a visual inspection of the boiler system;
- (2) an evaluation of the operating characteristics of the boiler system, specifications of the energy use systems, operating and maintenance procedures, and any unusual operating constraints;
- (3) an inventory of the energy use systems;
- (4) a review of all available architectural and engineering plans, operation and maintenance procedures, operation and maintenance records, and fuel usage records; and
- (5) the following for the boiler system and any associated energy use system(s) accounting for at least 50% of the boiler's energy (e.g., steam, hot water, or electricity) production, as applicable:
 - (i) a list of major energy conservation measures that are within the permittee's control;
 - (ii) a list of the energy savings potential of the energy conservation measures identified; and
 - (iii) a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(b) The permittee is not required to have an energy assessment performed for the boiler and associated energy use systems if either of the following apply:

- (1) an energy assessment was performed on or after January 1, 2008, that meets, or is amended to meet, the requirements specified in (a)(1)–(5), above (the energy assessor approval and qualification requirements are waived for this energy assessment); or
- (2) the permittee operates under an energy management program compatible with ISO 50001 that includes the boiler and associated energy use systems.

VII. ADDITIONAL REQUIREMENTS.**# 008 [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.

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

This boiler is subject to, and shall comply with all applicable provisions of, 40 C.F.R. Part 63, Subpart JJJJJJ. In accordance with 40 C.F.R. § 63.13, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. Except as specified in Condition # 010(b)(2), Section D (under Source ID 033), of this permit, the EPA copies shall be forwarded to:

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

**SECTION D. Source Level Requirements**

Source ID: 101A

Source Name: EMERGENCY GENERATOR SETS (4)

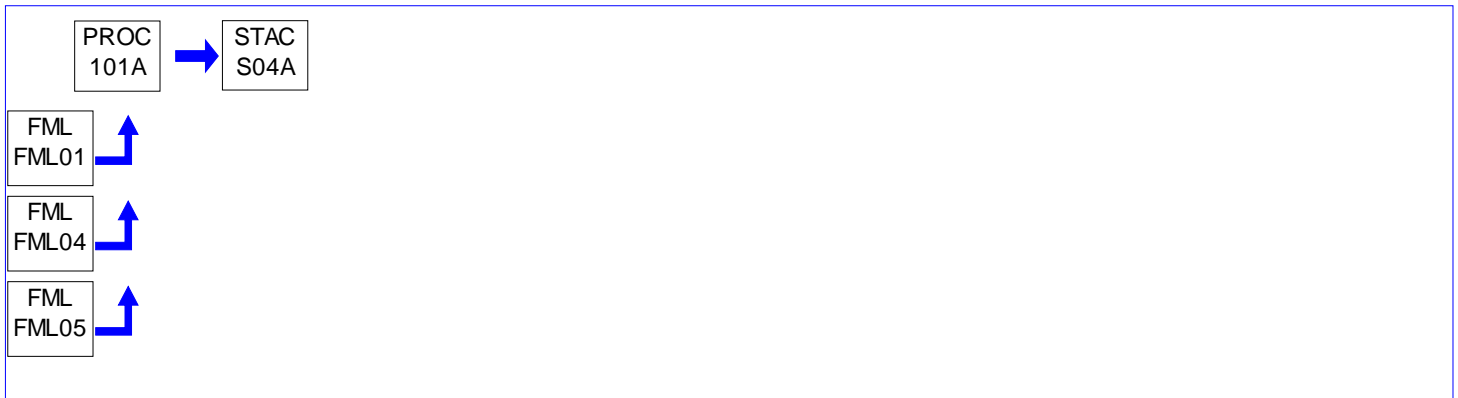
Source Capacity/Throughput:

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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from each of the plan approval-exempt engines of these emergency generator sets occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 gr/dscf.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.21(b).]

The permittee shall ensure that emission into the outdoor atmosphere of sulfur oxides (SO_x) from each of the plan approval-exempt engines of these emergency generator sets occurs in such a manner that the concentration of SO_x, expressed as sulfur dioxide (SO₂), in the exhaust gas does not exceed 500 ppmv, dry basis.

003 [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 (i.e., the period from May 1–September 30 of each year); and
- (d) 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

Fuel Restriction(s).**# 004 [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. The operation on any other fuels shall be approved by the Department prior to their application.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 63.6585(f)(3) and 25 Pa. Code §§ 127.35(b) and 127.443(b).]

The permittee shall ensure that each of the plan approval-exempt engines of these emergency generator sets is operated in compliance with the following operating hours restrictions:

- (a) A total operating time of less than 500 hrs/yr, calculated monthly as a 12-month rolling sum.
- (b) A total operating time of less than or equal to 50 hours per calendar year for non-emergency situations, except that the following operations are prohibited:
 - (1) Peak shaving;
 - (2) supplying power to an electric grid to generate income;
 - (3) supplying power as part of a financial arrangement with another entity; and
 - (4) demand response.
- (c) A total operating time of less than or equal to 100 hours per calendar year for the following purposes:
 - (1) any maintenance checks, including readiness testing and tune-ups; and
 - (2) the non-emergency situations indicated in (b), above.

[Compliance with this permit condition assures that the permittee will not be subject to the provisions of 40 C.F.R. Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit.]

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 monitor the following operating parameters for each of the plan approval-exempt engines of these emergency generator sets:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation, on an operating day basis:
 - (1) the hours of operation for each type of operation; and
 - (2) the total hours of operation.
- (c) The amount of natural gas consumed (mcf) on a monthly basis.
- (d) The amount of diesel fuel consumed (gallons) on a monthly basis.

**SECTION D. Source Level Requirements****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate the total NOx 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.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the following operating parameters for each of the plan approval-exempt engines of these emergency generator sets:

- (a) the type(s) of operation, on an operating day basis;
- (b) the following hours of operation:
 - (1) the hours of operation for each type of operation, on an operating day, monthly, and annual basis; and
 - (2) the total hours of operation, on an operating day, monthly, and 12-month rolling basis.
- (c) The amount of natural gas consumed (mcf) on a monthly basis, calculated using a Department-approved method.
- (d) The amount of diesel fuel consumed (gallons) on a monthly basis, calculated using a Department-approved method.

010 [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.

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

The permittee shall maintain records of the total NOx 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).

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

- (a) This source grouping consists of four emergency generator sets, as follows:

Unit No.	Manufacturer	Model No.	Rated Capacity
2	Caterpillar, Inc.	XQ400	400 ekW
3	Kohler Co.	140R72 76325A29	140 ekW
4	Marathon Electric	500FDR8040AB-P596 W	260 ekW
5	Kohler Co.	230ROZ71	230 ekW



SECTION D. Source Level Requirements

(b) Each emergency generator set is equipped with a plan approval-exempt engine, as follows:

Unit No.	Manufacturer	Model No.	Rated Capacity	Fuel Consumed
2	Caterpillar, Inc.	3456	610 bhp	Diesel Fuel
3	Waukesha Engine Division	F1197 GU	248 bhp	Natural Gas
4	Detroit Diesel	8083-7305	480 bhp	Diesel Fuel
5	Cummins Power Generation	NT-855G	355 bhp	Diesel Fuel

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 2

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 §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.11(a)(1).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this boiler occurs in such a manner that the rate of the emission does not exceed 0.4 lbs/mmBtu heat input.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.22(e)(2).]

- (a) The permittee shall ensure that natural gas and No. 2 fuel oil are the only fuels consumed by this boiler.
- (b) The sulfur content of the No. 2 fuel oil consumed by the boiler shall not exceed 0.05%, by weight, except as specified in 25 Pa. Code § 123.22(e)(2)(ii)–(iii).

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

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 monitor the following operating parameters for this boiler on a monthly basis:

- (a) the hours of operation;
- (b) the amount of natural gas consumed (mcf); and
- (c) the amount of No. 2 fuel oil consumed (gallons).

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

The permittee shall maintain records of the following operating parameters for this boiler on a monthly basis:

- (a) the hours of operation;
- (b) the amount of natural gas consumed (mcf), calculated using a Department-approved method; and
- (c) the amount of No. 2 fuel oil consumed (gallons), calculated using a Department-approved method.

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

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

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

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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) This permit (APS ID 916993, Auth ID 1140520) is an Administrative Amendment to State Only Operating Permit No. 23-00053, which was originally issued on October 30, 2002 (APS ID 345682, Auth ID 354488), and previously renewed on December 4, 2008 (APS ID 345682, Auth ID 683299), and April 9, 2014 (APS ID 345682, Auth ID 971865). The following is a listing of the changes reflected in this permit:

(1) The federal tax ID of the permittee/owner, as indicated on the cover page of the previously-renewed permit (same location in this permit), has been changed to 81-0517130 (plant code unchanged).

(2) The name of the permittee/owner, as indicated on the cover page of the previously-renewed permit (same location in this permit), has been changed from "Delaware County Memorial Hospital" to "Prospect DCMH, LLC."

(3) Exceptions for emission into the outdoor atmosphere of fugitive air contaminants from blasting in pit mines and from coke oven batteries have been added to Condition # 002, Section C, of the previously-renewed permit (same condition number in this permit), as Sub-conditions (g)–(h), respectively.

(4) Exceptions for open burning operations in conjunction with the production of agricultural commodities in their unmanufactured state, and for the purpose of burning domestic refuse, have been added to Condition # 008, Section C, of the previously-renewed permit (same condition number in this permit), as Sub-conditions (d)–(e), respectively.

(5) The language of Conditions # 009(a) and 020–021, Section C, of the previously-renewed permit (Conditions # 009(a) and 022–023, Section C, of this permit, respectively), has been changed to also apply to source(s) or air contaminant system(s), where applicable, listed/identified in Section G, of this permit.

(6) The additional authority citation to 40 C.F.R § 63.6660(a)–(c) has been removed from Condition # 012, Section C, of the previously-renewed permit (Condition # 013, Section C, of this permit).

(7) The following for Condition # 016, Section C, of the previously-renewed permit (Condition # 017, Section C, of this permit):

- (i) The additional authority citation to 40 C.F.R § 63.6655(a)(2) and (5) has been removed.
- (ii) The language of Sub-condition (a) has been changed to also apply to source(s) and/or associated air pollution control device(s) listed in Section G, of this permit.
- (iii) The citation indicated in Sub-condition (c)(6) has been corrected to Condition # 021, Section C, of this permit.

(8) The phrases "[i]f the permittee has been previously advised by the Department to submit a source report" and "including any source(s) listed in Section G, of this permit" have been added to the beginning and end, respectively, of Condition # 018(a), Section C, of the previously-renewed permit (Condition # 019(a), Section C, of this permit).

(9) The following for Condition # 019, Section C, of the previously-renewed permit (Condition # 021, Section C, of this permit):

- (i) The additional authority citation to 40 C.F.R § 63.6605(b) has been removed.

**SECTION H. Miscellaneous.**

(ii) The language has been changed to also apply to source(s) and associated air pollution control device(s) listed in Section G, of this permit.

(10) Condition # 022, Section C, of the previously-renewed permit, has been moved to Condition # 012, Section C, of this permit (from Sub-section VI to Sub-section III).

(11) A requirement to take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 from becoming airborne has been added as Condition # 020, Section C, of this permit.

(12) The citation for Condition # 001, Section D (under Source IDs 031–033), of the previously-renewed permit (same condition number in this permit), has been changed from 25 Pa. Code § 123.11 to 25 Pa. Code § 127.441 (with an additional authority citation to 25 Pa. Code § 123.11(a)(1)).

(13) The following for Condition # 002, Section D (under Source IDs 031–033), of the previously-renewed permit (same condition number in this permit):

(i) The sulfur content restriction for the No. 2 fuel oil consumed by the boilers of 0.2%, by weight, as indicated in Sub-condition (a), has been moved to/reorganized as Sub-condition (b)(1).

(ii) A sulfur content restriction for the No. 2 fuel oil consumed by the boilers of 0.05%, by weight, on or after July 1, 2016, except as specified in 25 Pa. Code § 123.22(e)(2)(ii)–(iii), has been added as Sub-condition (b)(2).

(iii) Streamlining language for 25 Pa. Code § 123.22(e)(1) has been added to the end of the condition.

(14) The following for Condition # 003, Section D (under Source IDs 031–033), of the previously-renewed permit (same condition number in this permit):

(i) An additional authority citation to 25 Pa. Code § 123.22(f)(1)(i) has been added.

(ii) The language of Sub-condition (b) has been changed to reference the record of information required to be provided by the fuel supplier pursuant to 25 Pa. Code § 123.22(g)(1)(i)–(v) instead of the phrase "other certification from the fuel supplier."

(15) The following for Condition # 006, Section D (under Source IDs 031–033), of the previously-renewed permit (Condition # 007, Section D (under Source IDs 031–033), of this permit):

(i) An additional authority citation to 25 Pa. Code § 123.22(g)(1)(i)–(v) has been added.

(ii) The requirement that the laboratory analysis (for the No. 2 fuel oil received for the boilers) specify the sulfur content or maximum sulfur content of the No. 2 fuel oil, has been moved to/reorganized as Sub-condition (a).

(iii) A requirement to maintain records of the record of information required to be provided by the fuel supplier pursuant to 25 Pa. Code § 123.22(g)(1)(i)–(v) has been added as Sub-condition (b)(1)–(5).

(16) Condition # 013, Section D (under Source IDs 031 and 033), of the previously-renewed permit, and Condition # 012, Section D (under Source ID 032), of the previously-renewed permit, have been moved to Condition # 005, Section D (under Source IDs 031–033), of this permit (from Sub-section VI to Sub-section III).

(17) The term "plan approval-" has been added before the term "exempt engines" (or "exempt engine") in each condition in Section D (under Source ID 101A), of this permit.

(18) A SO_x emission concentration restriction for each of the plan approval-exempt engines of the emergency generator sets has been added as Condition # 002, Section D (under Source ID 101A), of this permit.

(19) The following for Condition # 003, Section D (under Source ID 101A), of the previously-renewed permit (Condition # 004, Section D (under Source ID 101A), of this permit):

(i) The sulfur content restriction for the diesel fuel has been removed.

(ii) A requirement that the application of any other fuels be approved by the Department prior to their application has been

**SECTION H. Miscellaneous.**

added.

(iii) The streamlining language at the end of the condition has been removed.

(20) The following for Condition # 004, Section D (under Source ID 101A), of the previously-renewed permit (Condition # 005, Section D (under Source ID 101A), of this permit):

(i) The additional authority citation to 40 C.F.R. § 63.6640(f)(2)–(3) has been changed to an additional authority citation to 40 C.F.R. § 63.6585(f)(2).

(ii) The term "non-emergency" has been removed from Sub-condition (b)(2) (reorganized as (b)(4)).

(iii) Sub-conditions (c)(2)–(3) have been removed.

(iv) A statement that "[c]ompliance with this permit condition assures that the permittee will not be subject to the provisions of 40 C.F.R. Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit" has been added to the end of the condition.

(21) The following for Condition # 006, Section D (under Source ID 101A), of the previously-renewed permit (Condition # 007, Section D (under Source ID 101A), of this permit):

(i) The requirement to monitor the (total) hours of operation for each of the plan approval-exempt engines of the emergency generator sets, as indicated in Sub-condition (a)(1), has been reorganized as Sub-condition (b)(2).

(ii) The requirement to monitor the type(s) of operation, as indicated in Sub-condition (a)(2), has been reorganized as Sub-condition (a).

(iii) The requirements to monitor the amounts of natural gas and diesel fuel consumed by the plan approval-exempt engines, as indicated in Sub-condition (b)(1)–(2), respectively, have been reorganized as Sub-conditions (c)–(d), respectively.

(iv) A requirement to monitor the hours of operation for each type of operation has been added as Sub-condition (b)(1).

(22) The following for Condition # 007, Section D (under Source ID 101A), of the previously-renewed permit (Condition # 009, Section D (under Source ID 101A), of this permit):

(i) The frequency of maintaining records of the (total) hours of operation for each of the plan approval-exempt engines of the emergency generator sets on a calendar-year (i.e., annual) basis, as indicated in Sub-condition (a)(1) (reorganized as Sub-condition (b)(2)), has been removed.

(ii) The frequencies of maintaining records of the type(s) of operation for each of the plan approval-exempt engines on a monthly, calendar-year, and 12-month rolling basis, as indicated in Sub-condition (a)(2) (reorganized as Sub-condition (a)), have been removed.

(iii) The requirements to maintain records of the amounts of natural gas and diesel fuel consumed by the plan approval-exempt engines, as indicated in Sub-condition (b)(1)–(2), respectively, have been reorganized as Sub-conditions (c)–(d), respectively.

(iv) A requirement to maintain records of the hours of operation for each type of operation has been added as Sub-condition (b)(1).

(23) Conditions # 009–010, 012–014, and 017, Section D (under Source ID 101A), of the previously-renewed permit, have been removed.

(24) Condition # 015, Section D (under Source ID 101A), of the previously-renewed permit, has been moved to Condition # 008, Section D (under Source ID 101A), of this permit (from Sub-section VI to Sub-section III).

(25) The term "plan approval-" has been added before the term "exempt engines" in each of the descriptions for the NOx emission rate and PM emission concentration restrictions in Section F (under Source ID 101A), of this permit.

(26) A SOx emission concentration restriction for each of the plan approval-exempt engines of the emergency generator sets has

**SECTION H. Miscellaneous.**

been added to Section F (under Source ID 101A), of this permit.

(27) The term "less" has been added to the beginning of the description for the site-level NOx emission rate restriction in Section F, of this permit.

(e) April 2020. APS: 345682, Auth: 1249420. Permit Renewal. No new sources and no new applicable regulations.



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