



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: September 9, 2019

Effective Date: September 9, 2019

Expiration Date: September 8, 2024

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: 23-00029

Federal Tax Id - Plant Code: 23-1743626-1

Owner Information

Name: UPPER DARBY SCH DIST
Mailing Address: 8201 N LANSLOWNE AVE
UPPER DARBY, PA 19082-5435

Plant Information

Plant: UPPER DARBY SCH DIST/UPPER DARBY HIGH SCH
Location: 23 Delaware County 23003 Upper Darby Township
SIC Code: 8211 Services - Elementary And Secondary Schools

Responsible Official

Name: TIMOTHY LEAF
Title: MGR FAC
Phone: (610) 352 - 7111

Permit Contact Person

Name: TIMOTHY LEAF
Title: MGR FAC
Phone: (610) 352 - 7111

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



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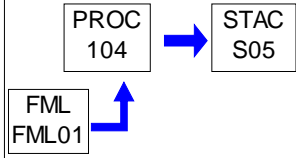
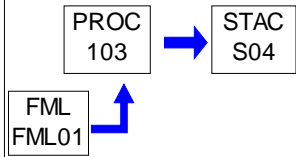
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
030	BOILERS 1, 2 & 3 (16 MMBTU/HR EACH)	48.000 MMBTU/HR	
		114.000 Gal/HR	#2 FUEL OIL EACH
		16.000 MCF/HR	NATURAL GAS EACH
031	CHILLER 1 (8.1 MMBTU/HR)	8.100 MMBTU/HR	
		9.300 MCF/HR	Natural Gas
101	375 KW EMERGENCY GENERATOR IN BOILER ROOM	7.890 Gal/HR	#2 Oil
102	30 KW EMERGENCY GENERATOR IN MAIN GYM	121.000 CF/HR	Natural Gas
103	35 KW EMERGENCY GENERATOR, ARTS & TECH	113.000 CF/HR	Natural Gas
104	EMERGENCY GENERATOR, PERFORMING ARTS	6.300 CF/HR	Natural Gas
FML01	NATURAL GAS PIPELINE		
FML02	NO. 2 FUEL OIL		
S01	STACK		
S02	STACK FOR EMERGENCY GEN. IN BOILER ROOM		
S03	STACK FOR EMERGENCY GENERATOR 102		
S04	STACK FOR EMERGENCY GENERATOR 103		
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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)&(c)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

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

003 [25 Pa. Code §123.31]**Limitations**

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

004 [25 Pa. Code §123.41]**Limitations**

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

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

005 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

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

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

SECTION C. Site Level Requirements**# 006 [25 Pa. Code §123.42]****Exceptions**

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

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

007 [25 Pa. Code §123.43]**Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

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

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

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

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

**SECTION C. Site Level Requirements**

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

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

The permittee shall monitor the amount and type of fuel consumed for the entire site on a monthly and on a 12 month rolling basis.

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

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) Odors which may be objectionable (as per 25 Pa. Code §123.31).
- (2) Visible Emissions (as per 25 Pa. Code §§123.41 and 123.42).
- (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).

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

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

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

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

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

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

The permittee shall maintain records of the amount and type of fuel consumed for the entire site on a monthly and on a 12 month rolling basis.

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

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

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

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

**SECTION C. Site Level Requirements**

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

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

V. REPORTING REQUIREMENTS.**# 015 [25 Pa. Code §135.3]****Reporting**

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

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

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

016 [25 Pa. Code §135.4]**Report format**

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

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

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or of a regulation contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

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

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

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

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold

SECTION C. Site Level Requirements

quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

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

- (d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
 - (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
 - (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

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

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

A person responsible for any source specified in Condition #002 of this section, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

**SECTION C. Site Level Requirements**

installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

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

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

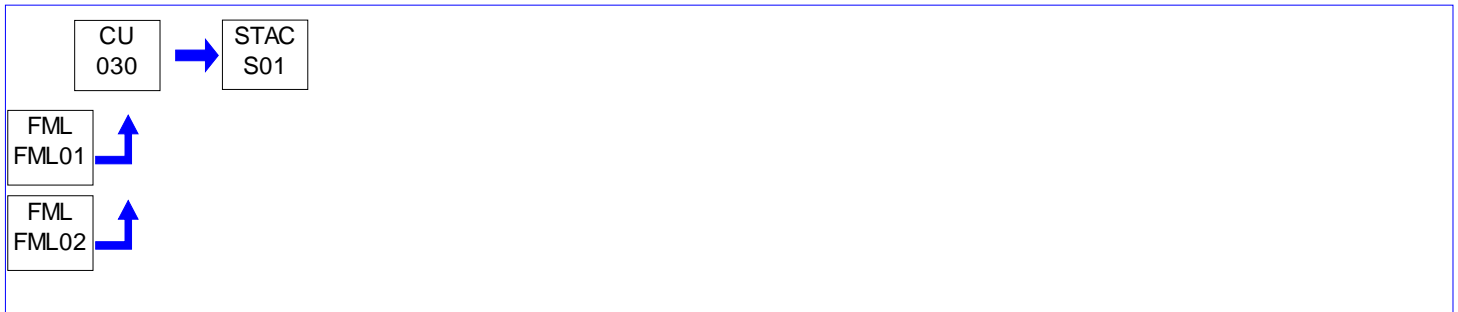
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 030

Source Name: BOILERS 1, 2 & 3 (16 MMBTU/HR EACH)

Source Capacity/Throughput: 48.000 MMBTU/HR
 114.000 Gal/HR #2 FUEL OIL EACH
 16.000 MCF/HR NATURAL GAS EACH

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

The permittee shall limit the nitrogen oxides (NO_x) emissions from these boilers to the following:

1. 30 ppm_{dv} at 3% O₂, or 0.035 lb/MMBtu, when firing natural gas
2. 150 ppm_{dv} at 3% O₂, or 0.190 lb/MMBtu, when firing No. 2 fuel oil

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

The permittee shall limit emissions of the three boilers in total not to exceed the following emissions limits:

Particulate Matter = 0.44 lb/hr, and 0.28 tons/yr
 Nitrogen Oxides = 2.6 lb/hr, and 1.7 tons/yr
 Carbon Monoxide = 1.94 lb/hr, and 1.27 tons/yr
 Volatile Organic Compounds = 0.12 lbs/hr, and 0.08 tons/yr

These yearly emissions are based on a 12 - month rolling period.

[Compliance with the particulate matter emission limit in this streamlined permit condition assures compliance with the provisions found in 25 Pa Code § 123.11(a)(1).]

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Standard for sulfur dioxide.**

The permittee shall not cause to be discharged into the atmosphere any gases that contain sulfur dioxide (SO₂) in excess of 0.50 lb/MMBtu heat input; or, as an alternative, combust oil that contains greater than 0.5 weight percent sulfur.

Fuel Restriction(s).**# 004 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial No.2 fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 0.05% by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer prior to July 1, 2016, which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

SECTION D. Source Level Requirements

[Compliance with the fuel sulfur content requirement in the streamlined permit condition assures compliance with the provisions of 40 CFR § 60.42c(d).]

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

[Additional authority for this condition is from 40 CFR Sections 63.11237 and 63.11195]

(a) The permittee shall use No. 2 Fuel Oil or Natural Gas only for these boilers.

(b) In order to obtain the exemption from the requirements of 40 CFR Part 63 Subpart JJJJJJ (Condition #018), the permittee shall operate these boilers as "gas fired boilers," as defined in 40 CFR Section 63.11237, as follows:

"any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year."

with gas curtailment or supply interruption defined as:

"a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility."

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

The total combined fuel oil usage of all three boilers shall not exceed 157,200 gallons per year, based on a 12-month rolling period.

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

The following apply to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code Section 139.4(10) or (21) (relating to references).

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

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

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

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

**SECTION D. Source Level Requirements**

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Standard for sulfur dioxide.**

[Additional authority for this condition is from 25 Pa. Code Section 127.441.]

The permittee shall demonstrate compliance with SO₂ standards based on fuel supplier certification. The performance test shall consist of the certification from the fuel supplier, as described under 60.48c(f)(1), pursuant to 40 CFR § 60.44c(h)

III. MONITORING REQUIREMENTS.

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

(a) The permittee shall monitor the amount and type of fuel consumed by each boiler on a monthly basis.

(b) Methods for monitoring the fuel usage for each boiler and the chiller, pursuant to Section D, Source ID 031 #003, that are acceptable to the Department include:

(1) Installation of fuel meters on the natural gas line to each boiler and the chiller and on the No.2 fuel oil line to each boiler.

(2) (i) for No. 2 fuel oil from each boiler:

Monitoring the monthly hours of operation of each boiler on No. 2 fuel oil and the monthly facility No. 2 fuel usage pursuant to Section C Condition #011 and prorating the facility No. 2 fuel oil usage on the hours of operation of each boiler.

(ii) for natural gas from each boiler and the chiller:

Monitoring the monthly hours of operation of each boiler on natural gas, the hours of operation of the chiller and the monthly facility natural gas usage pursuant to Section C Condition #011 and prorating the facility natural gas usage on the hours of operation of each boiler and of the chiller.

(c) Other methods approved by the Department

IV. RECORDKEEPING REQUIREMENTS.

**# 010 [25 Pa. Code §123.22]
Combustion units**

The permittee shall receive with each No. 2 fuel oil delivery an electronic or paper record which legibly and conspicuously contains the following information:

(a) the date of the sale or transfer;

(b) the name and address of the seller;

(c) the name and address of the buyer;

(d) the delivery address;

(e) the volume of commercial fuel oil purchased; and

(f) the identification of the sulfur content of the shipment of No. 2 fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code Section 123.22(f)(1) expressed as:

“The sulfur content of this shipment is 500 ppm or below.”

[Compliance with the recordkeeping requirements in this streamlined condition, assures compliance with the provisions

**SECTION D. Source Level Requirements**

found in in 40 CFR § 60.48c(f).]

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

[Additional authority for this condition is derived from 40 CFR Section 60.48c.]

(a) The permittee shall maintain records of the amount and type of fuel consumed by each boiler on a monthly basis.

[Compliance with of this condition assures compliance with 40 CFR Section 60.48c, which allows a permittee that combusts only natural gas and fuels using fuel certification to demonstrate compliance with the SO₂ standard of the Subpart to maintain records of the amount of each fuel combusted during each calendar month.]

(b) The permittee shall keep records of the method used to monitor the fuel usage of each boiler on a monthly basis.

(c) If the fuel usage is monitored by prorating on hours of operation and facility-wide usage of each fuel, pursuant to Condition #009 (b) of this Section, the permittee shall record the monthly hours of operation of each boiler on each fuel.

(d) The permittee shall keep records of any calculations used in determining the fuel usage.

(e) When fuel oil is used in the boilers operated as "gas fired boilers", the facility shall keep records of the reason fuel oil was used in the boilers, whether it was used for testing or natural gas curtailment or supply interruption.

(1) for each natural gas curtailment or supply interruption, which necessitated the use of No. 2 fuel oil in the boilers, the permittee shall record the dates, times, reason for curtailment or supply interruption and the supplier, or other initiator of the curtailment or supply interruption.

(2) when No. 2 fuel oil is tested in the boilers, the permittee shall record the date, time and reason for testing of No. 2 fuel oil in the boilers.

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

(a) The permittee shall perform emission calculations of the following, on a monthly and 12-month rolling basis, to demonstrate compliance with Condition #002 of this source ID:

- a. Particulate Matter
- b. Nitrogen Oxide
- c. Carbon Monoxide
- d. Volatile Organic Compounds

(b) The permittee shall record the emissions calculated and the emissions factors used in the emissions calculations and the source of the data.

(c) The following sources for emission factors are indicated as approved by the Department, in decreasing order of preference.

1. Emission factors calculated from stack test data
2. Emission factors provided by the manufacturer for identical units
3. Emission factors given in the most recent issuance of the AP-42, or emission factors from an issuance of the AP-42 that are most representative of the boilers
4. Other sources, as approved by the Department

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

**SECTION D. Source Level Requirements**

Fuel supplier certification shall include the following information:

- a. The name of the oil supplier
- b. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 60.41c*
- c. The sulfur content of the oil

* Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396.

V. REPORTING REQUIREMENTS.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.**

1. The permittee, who is subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under 40 CFR 60.42c, shall submit reports to the Administrator which shall include the following:

- a. Records of fuel supplier certification
- b. A certified statement signed by the owner or operator that fuel supplier certification records represent all of the fuel combusted during the reporting period.

2. The reporting period for the reports required under this permit is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

VI. WORK PRACTICE REQUIREMENTS.

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

Each boiler shall be equipped with Low NO_x Burners (LNB) and flue gas recirculation (FGR).

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

This source shall be operated and maintained in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

This source consists of 3 identical boilers, manufactured by Unilux, Model # ZF1600-W-LG, each rated at 16 MMBTU per hour.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11195]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
Are any boilers not subject to this subpart?**

Pursuant to 40 CFR Section 63.11195, the boilers are not subject to 40 CFR Part 63, Subpart JJJJJJ, so long as they are operated as a "gas fired boiler," in accordance with Condition #005 of this Section.

If the boilers are not operated in accordance with Condition #005 of this Section, the permittee shall comply with all applicable requirements of 40 CFR Part 63 Subpart JJJJJJ.

SECTION D. Source Level Requirements

Source ID: 031

Source Name: CHILLER 1 (8.1 MMBTU/HR)

Source Capacity/Throughput: 8.100 MMBTU/HR

9.300 MCF/HR Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

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

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only Natural Gas for this chiller.

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.

(a) The permittee shall monitor the amount of fuel consumed by this chiller on a monthly basis.

(b) Methods acceptable to the Department for monitoring the natural gas fuel usage for each boiler and chiller include:

(1) Installation of fuel meters on the natural gas line to each boiler and to the chiller.

(2) Monitoring the monthly hours of operation of each boiler on natural gas, the hours of operation of the chiller and the monthly facility natural gas usage pursuant to Section C Condition #012 and prorating the facility natural gas usage on the hours of operation of each boiler and the chiller.

(c) Other methods approved by the Department

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain monthly records of the amount of fuel consumed by this chiller on a monthly basis.

(b) The permittee shall keep records of the method used to monitor the fuel usage of the chiller on a monthly basis.

(c) If the fuel usage is monitored by prorating on hours of operation and facility-wide usage of each fuel, pursuant to Condition #003 (b) of this Section,

SECTION D. Source Level Requirements

the permittee shall record the monthly hours of operation of the chiller.

(d) The permittee shall keep records of any calculations used in determining the fuel usage.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source is a York, Model# YPC-FD18G46HAA chiller, rated at 8.168 MMBTU/hr.

SECTION D. Source Level Requirements

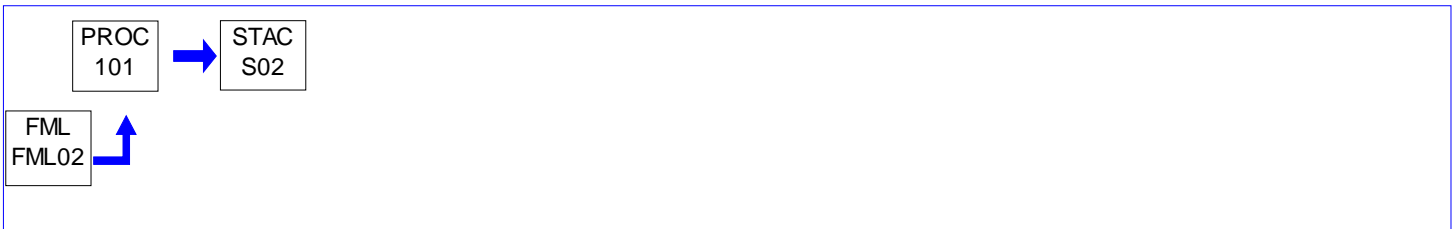
Source ID: 101

Source Name: 375 KW EMERGENCY GENERATOR IN BOILER ROOM

Source Capacity/Throughput:

7.890 Gal/HR

#2 Oil

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

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall only be fired by No. 2 fuel oil.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate this emergency generator more than 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

The following apply to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code Section 139.4(10) or (21) (relating to references).

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

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

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

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

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

(a) The permittee shall monitor the following on a monthly basis, when operating:

- (1). The amount of fuel consumed
- (2). The hours of operation

(b) Methods acceptable to the Department for monitoring the fuel usage of the generator engine include:

- (1) Installation of fuel meters on the fuel line to the generator engine.
- (2) Multiplying the fuel rate of this generator (7.89 gal/hr) by the monthly hours of operation, recorded pursuant to part (a)(2) of this condition.

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

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

- a. The amount of fuel consumed
- b. The hours of operation
- c. The reason for operation
- d. Any calculations used in determining fuel consumed in part a. of this condition.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Pursuant to 40 CFR 63.6585 (f),

(a) This existing institutional emergency stationary Reciprocating Internal Combustion Engine (RICE) will not be subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, so long as it does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) and (iii) [pertaining to demand response] and does not operate for the purpose specified in 40 CFR Section 63.6640 (f)(4)(ii) [pertaining to peak shaving].

(b) If the owner/operator does not operate this engine as specified in part (a) of this Condition, he/she shall comply with all applicable requirements of 40 CFR Part 63 Subpart ZZZZ.

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

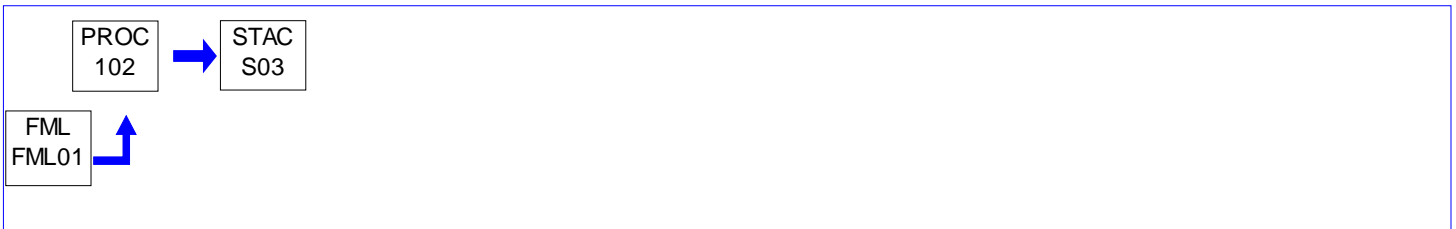
This source consists of one (1) Onan 375 KW Emergency Generator, Model # 300DFCB, rated at 430 hp.

SECTION D. Source Level Requirements

Source ID: 102

Source Name: 30 KW EMERGENCY GENERATOR IN MAIN GYM

Source Capacity/Throughput: 121.000 CF/HR Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall only be fired by natural gas.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate this emergency generator more than 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the following on a monthly basis, when operating:

- (1). The amount of fuel consumed
- (2). The hours of operation

(b) Methods acceptable to the Department for monitoring the fuel usage of the generator engine include:

- (1) Installation of fuel meters on the fuel line to the generator engine.
- (2) Multiplying the fuel rate of the generator engine (121 CF/hr) by the monthly hours of operation, recorded pursuant to part (a)(2) of this condition.

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

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

- a. The amount of fuel consumed
- b. The hours of operation
- c. The reason for operation
- d. Any calculations used in determining fuel consumed in part a. of this condition.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Pursuant to 40 CFR 63.6585 (f),

(a) This existing institutional emergency stationary Reciprocating Internal Combustion Engine (RICE) will not be subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, so long as it does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) and (iii) [pertaining to demand response] and does not operate for the purpose specified in 40 CFR Section 63.6640 (f)(4)(ii) [pertaining to peak shaving].

(b) If the owner/operator does not operate this engine as specified in part (a) of this Condition, he/she shall comply with all applicable requirements of 40 CFR Part 63 Subpart ZZZZ.

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

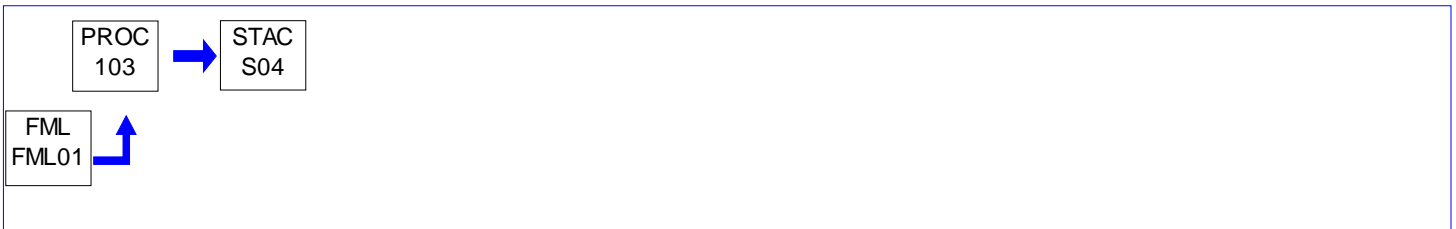
This source consists of one (1) Onan 30 KW Emergency Generator, Model# 30EK-4R31/1042B, rated at 66.2 bhp.

SECTION D. Source Level Requirements

Source ID: 103

Source Name: 35 KW EMERGENCY GENERATOR, ARTS & TECH

Source Capacity/Throughput: 113.000 CF/HR Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall only be fired by natural gas.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate this emergency generator more than 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the following on a monthly basis, when operating:

- (1). The amount of fuel consumed
- (2). The hours of operation

(b) Methods acceptable to the Department for monitoring the fuel usage of the generator engine include:

- (1) Installation of a fuel meter on the fuel line to the generator engine.
- (2) Multiplying the fuel rate of the generator engine (113 CF/hr) by the monthly hours of operation, recorded pursuant to part (a)(2) of this condition

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

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

- a. The amount of fuel consumed
- b. The hours of operation
- c. The reason for operation
- d. Any calculations used in determining fuel consumed in part a. of this condition.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Pursuant to 40 CFR 63.6585 (f),

(a) This existing institutional emergency stationary Reciprocating Internal Combustion Engine (RICE) will not be subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, so long as it does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) and (iii) [pertaining to demand response] and does not operate for the purpose specified in 40 CFR Section 63.6640 (f)(4)(ii) [pertaining to peak shaving].

(b) If the owner/operator does not operate this engine as specified in part (a) of this Condition, he/she shall comply with all applicable requirements of 40 CFR Part 63 Subpart ZZZZ.

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

This source consists of one (1) CumminsOnan 35KW Emergency Generator, Model# 35EK.

**SECTION D. Source Level Requirements**

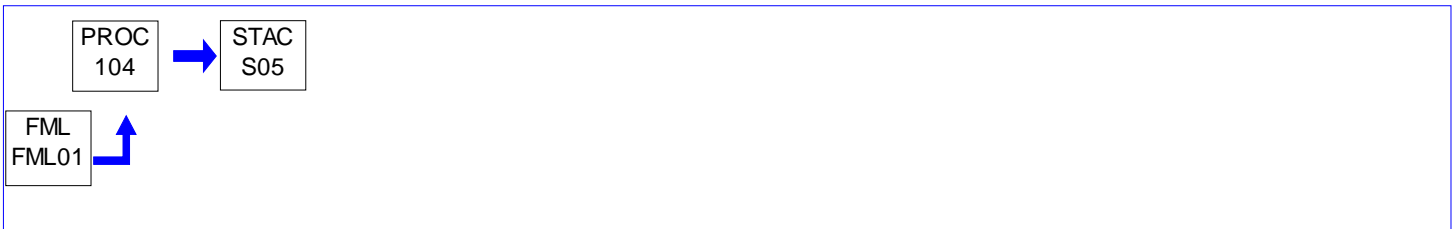
Source ID: 104

Source Name: EMERGENCY GENERATOR, PERFORMING ARTS

Source Capacity/Throughput:

6.300 CF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the following on a monthly basis when operating:

- a. The hours of operation
- b. The reason for operation

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**Am I subject to this subpart?**

Pursuant to 40 CFR 63.6585 (f),

- (a) This existing institutional emergency stationary Reciprocating Internal Combustion Engine (RICE) will not be subject to

**SECTION D. Source Level Requirements**

the requirements of 40 CFR Part 63 Subpart ZZZZ, so long as it does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) and (iii) [pertaining to demand response] and does not operate for the purpose specified in 40 CFR Section 63.6640 (f)(4)(ii) [pertaining to peak shaving].

(b) If the owner/operator does not operate this engine as specified in part (a) of this Condition, he/she shall comply with all applicable requirements of 40 CFR Part 63 Subpart ZZZZ.

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of one(1) Kohler 15 kW Emergency Generator, Model 15 RM82, engine model V64D.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
030	BOILERS 1, 2 & 3 (16 MMBTU/HR EACH)		
Emission Limit		Pollutant	
1.940	Lbs/Hr	1.27 tons/yr	CO
2.600	Lbs/Hr	1.7 tons/yr	NOX
30.000	PPMV	at 3% O2 when firing natural gas	NOX
150.000	PPMV	at 3% O2 when firing No. 2 Fuel Oil	NOX
0.440	Lbs/Hr	0.28 tons/yr	PM10
0.120	Lbs/Hr	0.08 tons/yr	VOC
031	CHILLER 1 (8.1 MMBTU/HR)		
Emission Limit		Pollutant	
0.400	Lbs/MMBTU		PM10
101	375 KW EMERGENCY GENERATOR IN BOILER ROOM		
Emission Limit		Pollutant	
0.040	gr/DSCM		PM10
102	30 KW EMERGENCY GENERATOR IN MAIN GYM		
Emission Limit		Pollutant	
0.040	gr/DSCM		PM10
103	35 KW EMERGENCY GENERATOR, ARTS & TECH		
Emission Limit		Pollutant	
0.040	gr/DSCM		PM10

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

1. Certain terms and conditions of this permit are based on the previous operating permit, permit number 23-302-128.

APS: 461662 Auth: 696180 , issued February, 2008.

The following source has been determined to be insignificant:

Emergency Generator on the Performing Arts Building - rated at 15 kilowatts

2. APS: 461662 Auth:948319, issued January, 2014

The Operating Permit is renewed. The following changes are made.

Condition numbers refer to the condition numbers in the February, 2008 issuance of the Operating Permit.

Cover Page

The mailing address is corrected to 8201 N Lansdown Ave.

The Responsible Official is changed to Joe Hughes.

The Permit Contact is changed to Tim Leaf.

Section A

Source ID 031 name is changed to "Chiller 1 (8.1 MMBtu/hr), to account for the removal of one of the gas-fired chillers.

The natural gas throughput is corrected to 9.3 MCF/hr.

Source ID 101 name is corrected to "375 kW Emergency Generator in Boiler Room."

Source ID 104 "15 kW Emergency Generator in Performing Arts Building" is added to the Inventory List

Section C

Conditions #011, #013

The conditions are clarified by adding "on a monthly basis" to the requirement to monitor and record fuel usage.

Condition #012

The requirement to take appropriate corrective action, for fugitive or odor emissions that originate on site is added to part (b) of the condition. The wording of the condition is revised to reflect current Department guidelines.

Condition #015

Part (a) of the condition is reworded to

"emissions increases of minor significance without notification to the Department."

A Compliance Schedule is added to Section C. The Compliance Schedule includes a meeting with the Department to review recordkeeping procedures and submission of Recordkeeping formats and records for fuel usage by the boilers, chiller, emergency generators and the entire facility and hours of operation for the emergency generators. The Compliance Schedule includes submission of the Recordkeeping for a 4 month period.

Section D

Source ID 030

Condition #001 2.

The NOx emission rate is corrected to 0.19 lb/MMBtu.

Condition #002

The NOx and CO emission rates are updated to 2.6 lb/hr ; 1.7 tons/year and 1.94 lb/hr ; 1.27 tons/year respectively, reflecting updated AP-42 emission factors.

Condition #004

The requirements of 25 Pa. Code Section 123.22 are updated, to reflect lower No. 2 fuel sulfur levels for combustion units, after July 1, 2016.

Condition #005

A section is added to the condition, indicating that operation as a "gas fired" boiler will exempt the boilers from the requirements of 40 CFR Part 63 Subpart JJJJJJ. The definition of "gas fired boiler" is included.

Condition #007

**SECTION G. Miscellaneous.**

The requirements of 25 Pa. Code Section 139.16 are updated.

Condition #008

The authority of 25 Pa. Code Section 127.441 is added to the the condition.

Condition #009

Methods acceptable to the Department for monitoring the fuel usage for each boiler are added to the condiiton to include fuel meter; recording of hours of operation for each boiler and prorating the hours on facility fuel usage, other methods approved by the Department.

Condition #010

Paragraph 2. from Condition #012 is added to the condition.

Recordkeeping for the method and calculations used to determine monthly fuel usage is added to the condition.

A recordkeeping requirement for recording hours of operation, if fuel usage is determined by prorating on facility wide fuel usage, is added to the condition.

The requirement to record date, time and supplier for natural gas curtailment or supply interruptions is included with the condition. The requirement to record the date, time and reason for testing of No. 2 fuel oil is added to the condition.

Condition #012

Paragraph 1. of the condition is removed, since the permittee is required by Condition #008 to demonstrate compliance for SO2 based on fuel certification. Paragraph 2. is relocated to Condition #010.

Condition #016

The requirement to record emission factors and their reference is added to the condition. The requirement to use Department approved emission factors is included with a listing of sources of acceptable factors. The condition is moved to the Recordkeeping Section.

#017

The boiler Model No. is corrected to ZF1600-W-LG

Additional Recordkeeping Condition

The requirements of 25 Pa. Code Section 123.22 (g), relating to recordkeeping for fuel sulfur content, are included

Additional Condition

The boilers are indicated as subject to 40 CFR Part 63 Subpart JJJJJJ, if operation in accordance with "gas fired boiler" is not followed.

Source ID 031

Condition #005

The description is updated to one chiller.

Condition #004

Methods acceptable to the Department for monitoring the fuel usage for the chiller, to include a fuel meter, recording hours of operation of the chiller and boilers and prorating on facility natural gas usage, and other methods approved by the Department.

Recording of the method and any calculations done to determine fuel usage are added to the condition.

The requirement to record hours of operation, if monthly fuel usage is determined by prorating on monthly run time, is added to the condition.

Source ID 101

Condition #003

The condition is moved to the Testing section. The requirements of 25 Pa. Code Section 139.16 are updated.

Source ID 101, Condition #006 & Source IDs 102, 103 Condition #005

Methods acceptable to the Department for determine fuel usage are added to the condition to include fuel meters and multiplying

**SECTION G. Miscellaneous.**

the rated fuel usage by the monthly hours of operation.

Condition #007 and Source IDs 102, 103 Condition #006

The reason for operation of the emergency generators is added to the recordkeeping requirement.
The requirement to record any calculations done to determine fuel usage is added to the condition.

Source IDs 101, 102, 103, 104

A Work Practice condition is added to the conditions for each source, indicating that the engines will not be subject to 40 CFR Part 63, Subpart ZZZZ so long as they are not operated for demand response or peak shaving pursuant to the requirements of 40 CFR Part 63, Subpart ZZZZ.

Source ID 104

The requirements of 25 Pa. Code Section 123.13 and 123.21 are included. Recordkeeping for hours of operation on a monthly basis and reason for operation is included.

3. APS: 461662 AUTH: 1226932 September 2019

The operating permit is renewed. The following changes are made with this issuance. Condition numbers refer to the March 13, 2014 issuance of the Operating Permit.

Cover Page

The Responsible Official is changed to Timothy Leaf, Manager of Facilities.

Section C, Compliance Schedule

The milestones pertaining to recordkeeping for fuel usage, hours of operation and emissions were removed since the milestones have been completed.

Section C

The following standard conditions are changed to meet current DEP guidelines. For the most part the changes involve inclusion of the applicable regulatory citation.

#002

#003

#006

#007

#009

Condition #008

The testing condition was removed since it was redundant with Condition #009.

Section D

Source ID 030

Condition #004

The condition was re-written to remove references to the cutoff date for the 500 ppm fuel sulfur requirement, since the date has passed.

Condition #010

The fuel sulfur record required by 25 Pa. Code Section 123.22(g)(5) was streamlined to the fuel supplier certification of 40 CFR § 60.48c(f).



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

