



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date:	April 17, 2019	Effective Date:	February 13, 2023
Revision Date:	February 13, 2023	Expiration Date:	April 16, 2024
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: 46-00024

Synthetic Minor

Federal Tax Id - Plant Code: 88-2669908-3

Owner Information

Name: JOHNSON & JOHNSON CONSUMER INC
Mailing Address: 7050 CAMP HILL RD
FORT WASHINGTON, PA 19034-2210

Plant Information

Plant: JOHNSON & JOHNSON CONSUMER INC/WHITEMARSH TWP
Location: 46 Montgomery County 46960 Whitemarsh Township
SIC Code: 2834 Manufacturing - Pharmaceutical Preparations

Responsible Official

Name: ANA COCERO-CORDERO
Title: PLANT LEADER
Phone: (215) 273 - 8185 Email: acoceroc@its.jnj.com

Permit Contact Person

Name: SCOTT KESSLER
Title: STAFF EH&S SPECIALIST
Phone: (215) 273 - 4317 Email: skessle3@its.jnj.com

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



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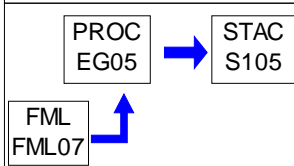
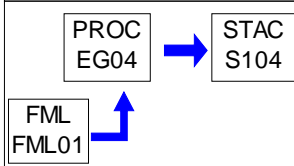
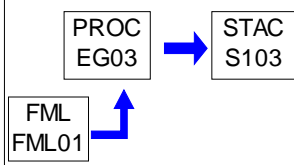
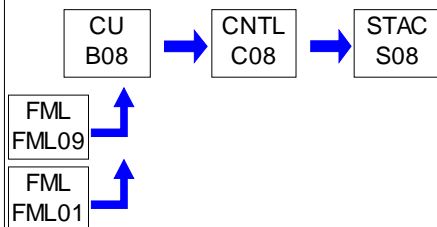
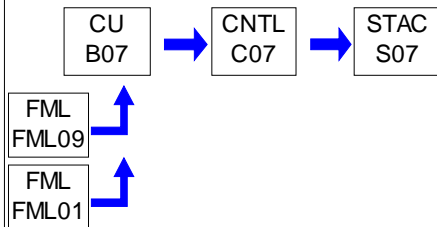
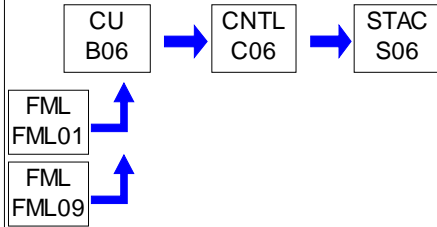
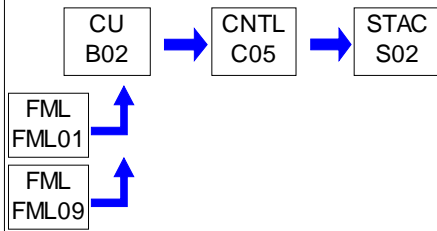
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
B02	JOHNSTON BOILER 1	25.000	MMBTU/HR	
		180.000	Gal/HR	#2 Oil
		24.400	MCF/HR	Natural Gas
B06	JOHNSTON BOILER 2	25.000	MMBTU/HR	
		24.400	MCF/HR	Natural Gas
		180.000	Gal/HR	#2 Oil
B07	JOHNSTON BOILER 3	25.000	MMBTU/HR	
		180.000	Gal/HR	#2 Oil
		24.500	MCF/HR	Natural Gas
B08	JOHNSTON BOILER 4	24.200	MMBTU/HR	
		180.000	Gal/HR	#2 Oil
		24,200.000	CF/HR	Natural Gas
EG03	EMERGENCY GENERATOR 3 (RESEARCH C)	2,305.000	CF/HR	Natural Gas
EG04	EMERGENCY GENERATOR 4 (RESEARCH A)	4,924.000	CF/HR	Natural Gas
EG05	EMERGENCY GENERATOR 5 (PLANT)	24.200	Gal/HR	Diesel Fuel
EG06	EMERGENCY GENERATOR 6 (PLANT)	34.400	Gal/HR	Diesel Fuel
EG07	EMERGENCY GENERATOR 2 (RESEARCH B)	11.730	Gal/HR	Diesel Fuel
WP02	FIRE PUMP	12.000	Gal/HR	Diesel Fuel
C05	FLUE GAS RECIRCULATION			
C06	FLUE GAS RECIRCULATION			
C07	FLUE GAS RECIRCULATION			
C08	FLUE GAS RECIRCULATION			
FML01	NATURAL GAS SUPPLY			
FML07	DIESEL TANK			
FML09	NO. 2 FUEL OIL			
S02	JOHNSTON BOILER 1 STACK			
S06	JOHNSTON BOILER NO. 2 STACK			
S07	JOHNSTON BOILER NO. 3 STACK			
S08	BOILER 4 STACK			
S103	EMERGENCY GENERATOR 3 STACK			
S104	EMERGENCY GENERATOR 4 STACK			
S105	EMERGENCY GENERATOR 5 STACK			
S106	EMERGENCY GENERATOR STACK 6			
S107	EMERGENCY GENERATOR 2 STACK			
S202	FIRE PUMP STACK			

PERMIT MAPS



PERMIT MAPS





PERMIT MAPS



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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) This facility shall remain a synthetic minor in accordance with conditions in this Operating Permit.
- (b) No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

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

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

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

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

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

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

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

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

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

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

**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 any of the following instances:

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

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

- (a) The permittee shall limit facility-wide VOC emissions to less than 25 tons per year, based on a 12-month rolling sum.
- (b) The permittee shall limit facility-wide NOx emissions to 22.6 tons per year, based on a 12-month rolling sum.

[Additional authority for (b) is also derived from 25 Pa. Code § 129.91 - § 129.95.]

- (c) The permittee shall limit facility-wide PM emissions to less than 100 tons per year, based on a 12-month rolling sum.

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

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

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

009 Elective Restriction

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.35 and 40 CFR § 63 Subpart GGG - National Emission Standards for Hazardous Air Pollutants: Pharmaceuticals Production.]

- (a) The Hazardous Air Pollutants (HAPs) emissions of this facility shall not exceed the following:
 - (1) 9.9 tons per year of each HAP on a 12-month rolling period at the facility, and
 - (2) 24.9 tons per year of any combination of HAP on a rolling 12-month period at the facility.

**SECTION C. Site Level Requirements**

(b) Exceedences of sub-condition (a) of this permit condition will result in the facility being subjected to 40 CFR § 63 Subpart GGG: National Emission Standards for Hazardous Air Pollutants: Pharmaceuticals Production.

II. TESTING REQUIREMENTS.**# 010 [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) may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

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

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

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

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

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

1. Test Date(s)

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

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

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

4. Testing Requirements (all that apply) engineer: edit as necessary, be specific if it helps

- a. Plan approval number(s)
- b. Operating permit number
- c. Applicable federal subpart(s) (i.e. 40 CFR 60, Subpart JJJJ)
- d. Special purpose(s) (Consent Order, RFD, RACT, Tier II, etc.)

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

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 012 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

(a) The permittee shall monitor the facility on a weekly basis 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 weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(d) 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.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain monthly records of HAP, VOC, NO_x, and PM emissions for the entire site, including 12-month rolling sums.

015 [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.

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

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

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

**SECTION C. Site Level Requirements****V. REPORTING REQUIREMENTS.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall report to the Department within 30 days, any exceedances of the site level HAP, VOC, NOx, and PM emission limits.

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

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

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

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

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

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

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

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

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

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

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from

**SECTION C. Site Level Requirements**

sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

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

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

VI. WORK PRACTICE REQUIREMENTS.**# 020 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

(a) Use, where possible, of water or 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 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 other means.

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

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

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

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

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

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.

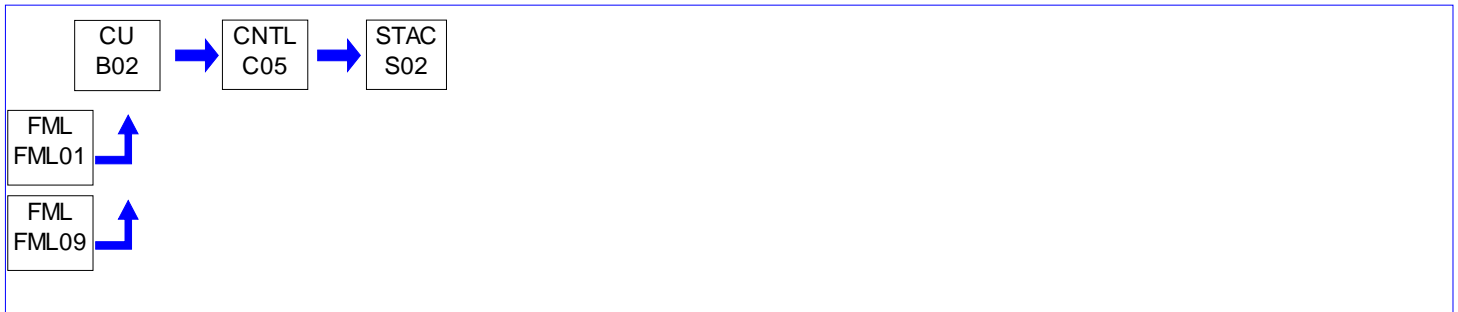
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: B02

Source Name: JOHNSTON BOILER 1

Source Capacity/Throughput: 25.000 MMBTU/HR
 180.000 Gal/HR #2 Oil
 24.400 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 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

[The method of compliance for this condition is the use of compliant fuels as required herein.]

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

The permittee shall limit the aggregate NOx emissions from Sources B02, B06, B07, and B08 to less than 16.2 tons per year, based on a 12-month rolling sum.

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

A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 500 ppm (0.05%) by weight sulfur content, in accordance with 25 Pa. Code § 123.22(e)(2), except as allowable in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

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

[Compliance with this condition also demonstrates compliance with the sulfur content limit of 0.5% weight percent as found in 40 CFR § 60.42c(d).]

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

The permittee shall limit the total heat energy throughput from the aggregate of Sources B02, B06, B07, B08 to less than or equal to 247,200 MMBtu/year, when using natural gas and/or No. 2 fuel oil as applicable, based on a 12-month rolling sum.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

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

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

The permittee shall calculate the aggregate NOx emissions from Source ID B02, B06, B07, and B08 using the following equation:

NOx emissions from the existing Johnston Boilers B02 and B06:

$$[(\text{CF natural gas/yr}) * (32 \text{ lb NOx/MMCF})] + [(\text{gal No. 2 fuel oil/yr}) * (20 \text{ lb NOx/1000 gal})]$$

PLUS

NOx emissions from the existing Johnston Boiler B07: $[(\text{CF natural gas/yr}) * (\text{NOx emission factor determined during most recent stack test})] + [(\text{gal No. 2 fuel oil/yr}) * (\text{NOx emission factor determined during most recent stack test})]$

PLUS

NOx emissions from the Johnston Boiler B08:

$$[(\text{CF natural gas/yr}) * (39 \text{ lb NOx/MMCF})] + [(\text{gal No. 2 fuel oil/yr}) * (20 \text{ lb NOx/1000 gal})]$$

[Additional authority for part of this permit condition is also derived from 25 Pa. Code § 129.91 - § 129.95]

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

The permittee shall calculate the annual aggregate heat energy throughput from Source ID B02, B06, B07, and B08 by using the amount of fuel consumed and the respective heating value of each fuel consumed, as follows:

$$(\text{amount of fuel}) * (\text{fuel heating value}) = [(\text{SCF natural gas/month}) * (\text{NG heating value in Btu/SCF})] + [(\text{gal No. 2 fuel oil/month}) * (\text{No. 2 fuel oil heating value in Btu/gal})] = \text{MMBtu/12-month rolling period.}$$

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

The permittee shall monitor the amount and type of fuel consumed by this boiler on a monthly basis, pursuant to 40 CFR § 60.48c(g)(2).

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §123.22]****Combustion units**

(a) The permittee shall maintain in electronic or paper format a record of the shipment of commercial fuel oil containing the following information, according to 25 Pa. Code § 123.22(g)(1) and (5):

- (1) The date of the sale or transfer.
- (2) The name and address of the transferor.
- (3) The name and address of the transferee.
- (4) The volume of commercial fuel oil being sold or transferred.
- (5) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified under 25 Pa. Code § 139.16, expressed as the following statement: "The sulfur content of this shipment is 500 ppm or below," for No. 2 commercial fuel oil.

**SECTION D. Source Level Requirements**

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

(7) Except for a transfer to a truck carrier, an owner or operator of a retail outlet or an ultimate consumer, the transferor may substitute the information required under subparagraphs (a) - (f) of this condition with the use of a product code if the following are met:

- (i) The product code includes the information required under subparagraphs (a) - (f) of this condition.
- (ii) The product code is standardized throughout the distribution system in which it is used.
- (iii) Each downstream party is given sufficient information to know the full meaning of the product code.

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

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NOx emissions for Source ID B02, B06, B07, and B08 including 12-month rolling sums.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate heat energy throughput from Sources B02, B06, B07, and B08, including 12-month rolling sums.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

(a) The permittee shall maintain monthly records of the amount and type of fuel consumed in this boiler, pursuant to 40 CFR § 60.48c(g)(2).

(b) The permittee shall maintain records of each fuel supplier certification submittal indicating the sulfur content of the No. 2 fuel oil in accordance with 40 CFR § 60.48c(e).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall maintain the following records, in accordance with 40 CFR § 63.11225(c)(1) through (7), as applicable:

(1) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee shall keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status submitted.

(2) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 and 40 CFR § 63.11223 as follows:

- (i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
- (ii) For each boiler required to conduct an energy assessment, the permittee shall keep a copy of the energy assessment report.

(3) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

**SECTION D. Source Level Requirements**

(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(b) The permittee shall maintain records in a form suitable and readily available for expeditious review. The permittee shall keep each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The permittee may keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

**# 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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3.]

(a) The permittee shall report records of fuel supplier certifications, including a certified statement signed by the owner or operator of the facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period and state the calendar dates covered in the reporting period, pursuant to 40 CFR § 60.48c(e)(1) and (11).

(b) Fuel supplier certification shall include the following information for residual oil, pursuant to 40 CFR § 60.48c(f)(2):

- (1) The name of the oil supplier;
- (2) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;
- (3) The sulfur content of the oil from which the shipment came (or of the shipment itself); and
- (4) The method used to determine the sulfur content of the oil.

(c) Reports shall be submitted to the USEPA and the Department on a semi-annual basis unless no excess emissions occurred. If there are no excess emissions, the permittee shall semi-annually report that no excess emissions occurred during the semi-annual reporting period.

(d) Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). The initial semi-annual report shall be postmarked by the 30th day of the sixth month following the completion of the initial performance test. Each subsequent report shall be postmarked by the 30th day following the end of the reporting period.

(e) Pursuant to 40 CFR § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both USEPA and the Department. The USEPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance Assistance
Mail Code 3AP20
USEPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

[Compliance with this condition assures compliance with the requirements of 25 Pa. Code § 139.16 regarding testing for sulfur in fuel oil.]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11214]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
How do I demonstrate initial compliance with the work practice standard, emission reduction measures, and management practice?**

**SECTION D. Source Level Requirements**

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

(a) The permittee shall submit a signed statement in the Notification of Compliance Status report that indicates a tune-up of the boiler has been conducted, in accordance with 40 CFR § 63.11214(b).

(c) The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR Part 63 Subpart JJJJJJ and is an accurate depiction of the facility, in accordance with 40 CFR § 63.11214(c).

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014 for Boilers 1, 2, and 3]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the following information:

(1) Company name and address.

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

(i) "This facility complies with the requirements in 40 CFR § 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

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

(iii) "This facility complies with the requirement in 40 CFR §§ 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall submit the "Notification of Compliance Status" no later than 120 days after March 21, 2014, according to 40 CFR § 63.11225(a)(4).

(b) The permittee shall submit the "Notification of Compliance Status" in accordance with 40 CFR § 63.11225(a)(4)(i) and (vi).

(c) The permittee shall sign the "Notification of Compliance Status" by a responsible office and shall include the following information and certification(s) of compliance, as applicable:

(1) The permittee shall submit the information required in 40 CFR § 63.9(h)(2), except the information listed in 40 CFR § 63.9(h)(2)(i)(B), (D), (E), and (F).

**SECTION D. Source Level Requirements**

- (2) "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler."
- (3) "This facility has had an energy assessment performed according to 40 CFR § 63.11214(c)."
- (4) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
- (5) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR § 63.13.

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014.]

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

The permittee shall maintain and operate a fuel oil meter and natural gas meter, each with a totalizer.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

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

(a) The permittee shall conduct an initial tune-up as specified in 40 CFR § 63.11214, and conduct a tune-up of the boiler biennially as specified in 40 CFR § 63.11223, in accordance with 40 CFR § 63.11201(b), Table 2, Item No. 4 (as amended February 1, 2013).

(b) The permittee shall conduct the initial tune-up no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(1) and 40 CFR § 63.11210(c).

[Note: Compliance with the requirement to conduct an initial tune-up on the boiler was demonstrated as follows:

Boiler 1 (Source ID B02) - January 30, 2014
 Boiler 2 (Source ID B06) - January 27, 2014
 Boiler 3 (Source ID B07) - January 30, 2014
 Boiler 4 (Source ID B08) - December 10, 2015]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

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

(a) The permittee shall perform a one-time energy assessment of the boiler according to 40 CFR § 63.11201(b), Table 2, Item No. 16 (as amended February 1, 2013).

(b) The permittee shall conduct the one-time energy assessment no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(3) and 40 CFR § 63.11210(c).

(c) According to 40 CFR § 63.11201(b), an energy assessment completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in Table 2 of 40 CFR Part 63 Subpart JJJJJJ satisfies the energy assessment requirement. A facility that operates under an energy management program established through energy management systems compatible with ISO 50001, that includes the affected units, also satisfies the energy assessment requirement.

**SECTION D. Source Level Requirements**

(d) The one-time energy assessment must be performed by a qualified energy assessor. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in 40 CFR § 63.11237:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
- (3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures that are within the facility's control,
- (6) A list of the energy savings potential of the energy conservation measures identified, and
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

[Note: The one-time energy assessment was conducted on March 13, 2014 for Boilers 1, 2, and 3.]

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

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

What are my general requirements for complying with this subpart?

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

The permittee shall operate and maintain the boiler and any associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, in accordance with 40 CFR § 63.11205(a) (as amended February 1, 2013).

[Compliance with this condition assures compliance with RACT Operating Permit No. 46-0024, Condition No. (5)(A).]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

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

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

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

(a) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance, according to 40 CFR § 63.11223(b).

(b) The permittee shall conduct the biennial performance tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

(c) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up.

(d) The permittee shall conduct the biennial tune-up as follows:

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.

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

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and

**SECTION D. Source Level Requirements**

functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection

(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

(5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information as follows:

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

VII. ADDITIONAL REQUIREMENTS.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

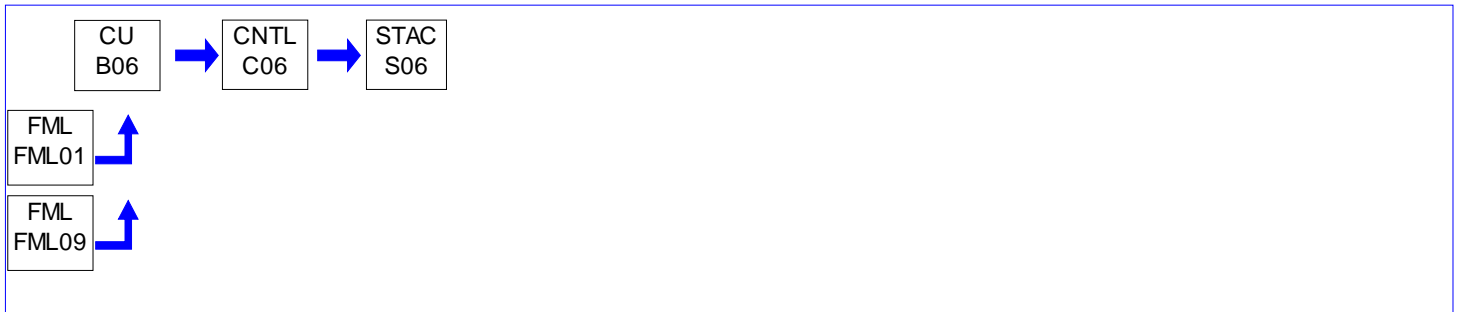
This boiler is equipped with flue gas recirculation (FGR).

**SECTION D. Source Level Requirements**

Source ID: B06

Source Name: JOHNSTON BOILER 2

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

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

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

[The method of compliance for this condition is the use of compliant fuels as required herein.]

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

The permittee shall limit the aggregate NOx emissions from Sources B02, B06, B07, and B08 to less than 16.2 tons per year, based on a 12-month rolling sum.

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

A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 500 ppm (0.05%) by weight sulfur content, in accordance with 25 Pa. Code § 123.22(e)(2), except as allowable in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

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

[Compliance with this condition also demonstrates compliance with the sulfur content limit of 0.5% weight percent as found in 40 CFR § 60.42c(d).]

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

The permittee shall limit the total heat energy throughput from the aggregate of Sources B02, B06, B07, B08 to less than or equal to 247,200 MMBtu/year, when using natural gas and/or No. 2 fuel oil as applicable, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

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

The permittee shall calculate the aggregate NOx emissions from Source ID B02, B06, B07, and B08 using the following equation:

NOx emissions from the existing Johnston Boilers B02 and B06:
 $[(CF \text{ natural gas/yr}) * (32 \text{ lb NOx/MMCF})] + [(gal \text{ No. 2 fuel oil/yr}) * (20 \text{ lb NOx/1000 gal})]$

PLUS

NOx emissions from the existing Johnston Boiler B07: $[(CF \text{ natural gas/yr}) * (\text{NOx emission factor determined during most recent stack test})] + [(gal \text{ No. 2 fuel oil/yr}) * (\text{NOx emission factor determined during most recent stack test})]$

PLUS

NOx emissions from the Johnston Boiler B08:
 $[(CF \text{ natural gas/yr}) * (39 \text{ lb NOx/MMCF})] + [(gal \text{ No. 2 fuel oil/yr}) * (20 \text{ lb NOx/1000 gal})]$

[Additional authority for part of this permit condition is also derived from 25 Pa. Code § 129.91 - § 129.95]

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

The permittee shall calculate the annual aggregate heat energy throughput from Source ID B02, B06, B07, and B08 by using the amount of fuel consumed and the respective heating value of each fuel consumed, as follows:

$(\text{amount of fuel}) * (\text{fuel heating value}) = [(SCF \text{ natural gas/month}) * (\text{NG heating value in Btu/SCF})] + [(gal \text{ No. 2 fuel oil/month}) * (\text{No. 2 fuel oil heating value in Btu/gal})] = \text{MMBtu/12-month rolling period.}$

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

The permittee shall monitor the amount and type of fuel consumed by this boiler on a monthly basis, pursuant to 40 CFR § 60.48c(g)(2).

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §123.22]****Combustion units**

(a) The permittee shall maintain in electronic or paper format a record of the shipment of commercial fuel oil containing the following information, according to 25 Pa. Code § 123.22(g)(1) and (5):

- (1) The date of the sale or transfer.
- (2) The name and address of the transferor.
- (3) The name and address of the transferee.
- (4) The volume of commercial fuel oil being sold or transferred.
- (5) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified under 25 Pa. Code § 139.16, expressed as the following statement: "The sulfur content of this shipment is 500 ppm or below," for No. 2 commercial fuel oil.
- (6) The location of the commercial fuel oil at the time of transfer.
- (7) Except for a transfer to a truck carrier, an owner or operator of a retail outlet or an ultimate consumer, the transferor may substitute the information required under subparagraphs (a) - (f) of this condition with the use of a product code if the following are met:

- (i) The product code includes the information required under subparagraphs (a) - (f) of this condition.

**SECTION D. Source Level Requirements**

- (ii) The product code is standardized throughout the distribution system in which it is used.
- (iii) Each downstream party is given sufficient information to know the full meaning of the product code.

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

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

The permittee shall maintain monthly records of the aggregate NOx emissions for Source ID B02, B06, B07, and B08 including 12-month rolling sums.

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

The permittee shall maintain monthly records of the aggregate heat energy throughput from Sources B02, B06, B07, and B08, including 12-month rolling sums.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

(a) The permittee shall maintain monthly records of the amount and type of fuel consumed in this boiler, pursuant to 40 CFR § 60.48c(g)(2).

(b) The permittee shall maintain records of each fuel supplier certification submittal indicating the sulfur content of the No. 2 fuel oil in accordance with 40 CFR § 60.48c(e).

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**SUBPART JJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

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

(a) The permittee shall maintain the following records, in accordance with 40 CFR § 63.11225(c)(1) through (7), as applicable:

(1) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee shall keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status submitted.

(2) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 and 40 CFR § 63.11223 as follows:

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) For each boiler required to conduct an energy assessment, the permittee shall keep a copy of the energy assessment report.

(3) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

**SECTION D. Source Level Requirements**

(b) The permittee shall maintain records in a form suitable and readily available for expeditious review. The permittee shall keep each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The permittee may keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

**# 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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3.]

(a) The permittee shall report records of fuel supplier certifications, including a certified statement signed by the owner or operator of the facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period and state the calendar dates covered in the reporting period, pursuant to 40 CFR § 60.48c(e)(1) and (11).

(b) Fuel supplier certification shall include the following information for residual oil, pursuant to 40 CFR § 60.48c(f)(2):

- (1) The name of the oil supplier;
- (2) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;
- (3) The sulfur content of the oil from which the shipment came (or of the shipment itself); and
- (4) The method used to determine the sulfur content of the oil.

(c) Reports shall be submitted to the USEPA and the Department on a semi-annual basis unless no excess emissions occurred. If there are no excess emissions, the permittee shall semi-annually report that no excess emissions occurred during the semi-annual reporting period.

(d) Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). The initial semi-annual report shall be postmarked by the 30th day of the sixth month following the completion of the initial performance test. Each subsequent report shall be postmarked by the 30th day following the end of the reporting period.

(e) Pursuant to 40 CFR § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both USEPA and the Department. The USEPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance Assistance
Mail Code 3AP20
USEPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

[Compliance with this condition assures compliance with the requirements of 25 Pa. Code § 139.16 regarding testing for sulfur in fuel oil.]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11214]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
How do I demonstrate initial compliance with the work practice standard, emission reduction measures, and management practice?**

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

(a) The permittee shall submit a signed statement in the Notification of Compliance Status report that indicates a tune-up of the boiler has been conducted, in accordance with 40 CFR § 63.11214(b).

**SECTION D. Source Level Requirements**

(b) The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR Part 63 Subpart JJJJJJ and is an accurate depiction of the facility, in accordance with 40 CFR § 63.11214(c).

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014 for Boilers 1, 2, and 3]

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the following information:

(1) Company name and address.

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

(i) "This facility complies with the requirements in 40 CFR § 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

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

(iii) "This facility complies with the requirement in 40 CFR §§ 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall submit the "Notification of Compliance Status" no later than 120 days after March 21, 2014, according to 40 CFR § 63.11225(a)(4).

(b) The permittee shall submit the "Notification of Compliance Status" in accordance with 40 CFR § 63.11225(a)(4)(i) and (vi).

(c) The permittee shall sign the "Notification of Compliance Status" by a responsible office and shall include the following information and certification(s) of compliance, as applicable:

(1) The permittee shall submit the information required in 40 CFR § 63.9(h)(2), except the information listed in 40 CFR § 63.9(h)(2)(i)(B), (D), (E), and (F).

(2) "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler."

(3) "This facility has had an energy assessment performed according to 40 CFR § 63.11214(c)."

(4) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary

**SECTION D. Source Level Requirements**

materials that are solid waste were combusted in any affected unit."

(5) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR § 63.13.

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014.]

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

The permittee shall maintain and operate a fuel oil meter and natural gas meter, each with a totalizer.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

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

(a) The permittee shall conduct an initial tune-up as specified in 40 CFR § 63.11214, and conduct a tune-up of the boiler biennially as specified in 40 CFR § 63.11223, in accordance with 40 CFR § 63.11201(b), Table 2, Item No. 4 (as amended February 1, 2013).

(b) The permittee shall conduct the initial tune-up no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(1) and 40 CFR § 63.11210(c).

[Note: Compliance with the requirement to conduct an initial tune-up on the boiler was demonstrated as follows:

Boiler 1 (Source ID B02) - January 30, 2014

Boiler 2 (Source ID B06) - January 27, 2014

Boiler 3 (Source ID B07) - January 30, 2014

Boiler 4 (Source ID B08) - December 10, 2015]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

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

(a) The permittee shall perform a one-time energy assessment of the boiler according to 40 CFR § 63.11201(b), Table 2, Item No. 16 (as amended February 1, 2013).

(b) The permittee shall conduct the one-time energy assessment no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(3) and 40 CFR § 63.11210(c).

(c) According to 40 CFR § 63.11201(b), an energy assessment completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in Table 2 of 40 CFR Part 63 Subpart JJJJJJ satisfies the energy assessment requirement. A facility that operates under an energy management program established through energy management systems compatible with ISO 50001, that includes the affected units, also satisfies the energy assessment requirement.

(d) The one-time energy assessment must be performed by a qualified energy assessor. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in 40 CFR § 63.11237:

**SECTION D. Source Level Requirements**

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
- (3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures that are within the facility's control,
- (6) A list of the energy savings potential of the energy conservation measures identified, and
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

[Note: The one-time energy assessment was conducted on March 13, 2014 for Boilers 1, 2, and 3.]

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

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

What are my general requirements for complying with this subpart?

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

The permittee shall operate and maintain the boiler and any associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, in accordance with 40 CFR § 63.11205(a) (as amended February 1, 2013).

[Compliance with this condition assures compliance with RACT Operating Permit No. 46-0024, Condition No. (5)(A).]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

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

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

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

(a) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance, according to 40 CFR § 63.11223(b).

(b) The permittee shall conduct the biennial performance tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

(c) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up.

(d) The permittee shall conduct the biennial tune-up as follows:

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.

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

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection.

**SECTION D. Source Level Requirements**

(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

(5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information as follows:

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

VII. ADDITIONAL REQUIREMENTS.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

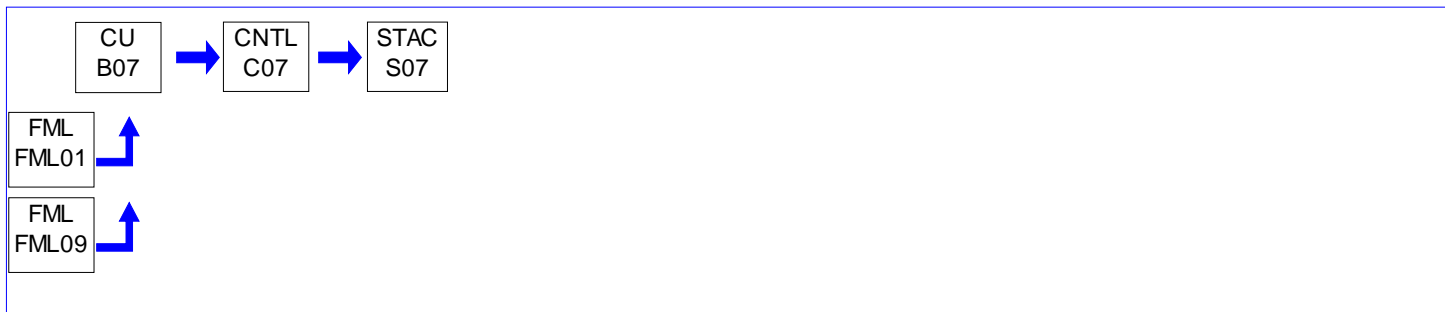
This boiler is equipped with flue gas recirculation (FGR).

**SECTION D. Source Level Requirements**

Source ID: B07

Source Name: JOHNSTON BOILER 3

Source Capacity/Throughput: 25.000 MMBTU/HR
 180.000 Gal/HR #2 Oil
 24.500 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 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

[The method of compliance for this condition is the use of compliant fuels as required herein.]

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

The permittee shall limit the aggregate NOx emissions from Sources B02, B06, B07, and B08 to less than 16.2 tons per year, based on a 12-month rolling sum.

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

The permittee shall construct this source capable of reducing nitrogen oxides (NOx) and carbon monoxide (CO) emissions to or below:

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

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

A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 500 ppm (0.05%) by weight sulfur content, in accordance with 25 Pa. Code § 123.22(e)(2), except as allowable in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

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

[Compliance with this condition also demonstrates compliance with the sulfur content limit of 0.5% weight percent as found in 40 CFR § 60.42c(d).]

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

The permittee shall limit the total heat energy throughput from the aggregate of Sources B02, B06, B07, B08 to less than or equal to 247,200 MMBtu/year, when using natural gas and/or No. 2 fuel oil as applicable, based on a 12-month rolling sum.

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

(a) The permittee shall limit natural gas usage to 24,500 cubic foot per hour for this source.

(b) The permittee shall limit No. 2 fuel oil usage to 180 gallons per hour for this source.

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

(a) No later than one hundred and eighty (180) days of issuance of the minor modification operating permit, the permittee shall demonstrate initial compliance with the emission limitations for NOx and CO in ppm_{dv} at 3% oxygen while firing No. 2 fuel oil as established in Condition #003 for this boiler.

(b) The performance tests shall be conducted while the source is operating at maximum routine operating conditions or under other such conditions, within the capacity of the equipment, as may be requested by the Department. The performance test shall be conducted in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing), including the most recent DEP Source Testing Manual.

(c) The permittee shall use the compliance test to determine a NOx emission factor for No. 2 fuel oil (in lb NOx/gal for No. 2 fuel oil) by measuring the effluent gas NOx concentration dry basis (ppm) using Test Method 7E, stack gas velocity and volumetric flow rate (dscfm) using Test Method 2, and recording the actual fuel usage (gal/hr) during each test.

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

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

(f) Within sixty (60) days after the source test(s), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

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

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

(a) The permittee shall perform a stack test for this source using Department-approved procedures once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later.

(1) Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under other such conditions, within the capacity of the equipment, as may be requested by the Department.

(2) The stack test shall be performed for each fuel that has been consumed in the boiler for thirty (30) cumulative days or more during a 12-month rolling period.

(3) When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised

**SECTION D. Source Level Requirements**

since approval, a new protocol must be submitted for approval.

(b) The stack test shall, at a minimum, test for the Nitrogen Oxides and Carbon Monoxide. The permittee shall measure the stack volume exhaust rate during testing in order to calculate a NO_x emission factor (lb NO_x/CF) to be used in emission calculations for this boiler. Tests shall be conducted in accordance with the provisions Department-approved EPA Test Methods or other Department-approved methodology and 25 Pa. Code Chapter 139, including the procedures of the most recent DEP Source Testing Manual.

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

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

(e) Within sixty (60) days after the source test(s), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

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

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

The permittee shall calculate the aggregate NO_x emissions from Source ID B02, B06, B07, and B08 using the following equation:

NO_x emissions from the existing Johnston Boilers B02 and B06:
 $[(CF \text{ natural gas/yr}) * (32 \text{ lb NO}_x/\text{MMCF})] + [(gal \text{ No. 2 fuel oil/yr}) * (20 \text{ lb NO}_x/1000 \text{ gal})]$

PLUS

NO_x emissions from the existing Johnston Boiler B07: $[(CF \text{ natural gas/yr}) * (\text{NO}_x \text{ emission factor determined during most recent stack test})] + [(gal \text{ No. 2 fuel oil/yr}) * (\text{NO}_x \text{ emission factor determined during most recent stack test})]$

PLUS

NO_x emissions from the Johnston Boiler B08:
 $[(CF \text{ natural gas/yr}) * (39 \text{ lb NO}_x/\text{MMCF})] + [(gal \text{ No. 2 fuel oil/yr}) * (20 \text{ lb NO}_x/1000 \text{ gal})]$

[Additional authority for part of this permit condition is also derived from 25 Pa. Code § 129.91 - § 129.95]

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

The permittee shall calculate the annual aggregate heat energy throughput from Source ID B02, B06, B07, and B08 by using the amount of fuel consumed and the respective heating value of each fuel consumed, as follows:

$(\text{amount of fuel}) * (\text{fuel heating value}) = [(SCF \text{ natural gas/month}) * (\text{NG heating value in Btu/SCF})] + [(gal \text{ No. 2 fuel oil/month}) * (\text{No. 2 fuel oil heating value in Btu/gal})] = \text{MMBtu}/12\text{-month rolling period.}$

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

**SECTION D. Source Level Requirements**

The permittee shall monitor the amount and type of fuel consumed by this boiler on a monthly basis, pursuant to 40 CFR § 60.48c(g)(2).

IV. RECORDKEEPING REQUIREMENTS.**# 012 [25 Pa. Code §123.22]****Combustion units**

(a) The permittee shall maintain in electronic or paper format a record of the shipment of commercial fuel oil containing the following information, according to 25 Pa. Code § 123.22(g)(1) and (5):

- (1) The date of the sale or transfer.
- (2) The name and address of the transferor.
- (3) The name and address of the transferee.
- (4) The volume of commercial fuel oil being sold or transferred.
- (5) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified under 25 Pa. Code § 139.16, expressed as the following statement: "The sulfur content of this shipment is 500 ppm or below," for No. 2 commercial fuel oil.
- (6) The location of the commercial fuel oil at the time of transfer.
- (7) Except for a transfer to a truck carrier, an owner or operator of a retail outlet or an ultimate consumer, the transferor may substitute the information required under subparagraphs (a) - (f) of this condition with the use of a product code if the following are met:
 - (i) The product code includes the information required under subparagraphs (a) - (f) of this condition.
 - (ii) The product code is standardized throughout the distribution system in which it is used.
 - (iii) Each downstream party is given sufficient information to know the full meaning of the product code.

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

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

The permittee shall maintain monthly records of the aggregate NOx emissions for Source ID B02, B06, B07, and B08 including 12-month rolling sums.

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

The permittee shall maintain monthly records of the aggregate heat energy throughput from Sources B02, B06, B07, and B08, including 12-month rolling sums.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

(a) The permittee shall maintain monthly records of the amount and type of fuel consumed in this boiler, pursuant to 40 CFR § 60.48c(g)(2).

(b) The permittee shall maintain records of each fuel supplier certification submittal indicating the sulfur content of the No. 2 fuel oil in accordance with 40 CFR § 60.48c(e).

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3.]

**SECTION D. Source Level Requirements**

(a) The permittee shall report records of fuel supplier certifications, including a certified statement signed by the owner or operator of the facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period and state the calendar dates covered in the reporting period, pursuant to 40 CFR § 60.48c(e)(1) and (11).

(b) Fuel supplier certification shall include the following information for residual oil, pursuant to 40 CFR § 60.48c(f)(2):

(1) The name of the oil supplier;

(2) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;

(3) The sulfur content of the oil from which the shipment came (or of the shipment itself); and

(4) The method used to determine the sulfur content of the oil.

(c) Reports shall be submitted to the USEPA and the Department on a semi-annual basis unless no excess emissions occurred. If there are no excess emissions, the permittee shall semi-annually report that no excess emissions occurred during the semi-annual reporting period.

(d) Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). The initial semi-annual report shall be postmarked by the 30th day of the sixth month following the completion of the initial performance test. Each subsequent report shall be postmarked by the 30th day following the end of the reporting period.

(e) Pursuant to 40 CFR § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both USEPA and the Department. The USEPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance Assistance
Mail Code 3AP20
USEPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

[Compliance with this condition assures compliance with the requirements of 25 Pa. Code § 139.16 regarding testing for sulfur in fuel oil.]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11214]

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

How do I demonstrate initial compliance with the work practice standard, emission reduction measures, and management practice?

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

(a) The permittee shall submit a signed statement in the Notification of Compliance Status report that indicates a tune-up of the boiler has been conducted, in accordance with 40 CFR § 63.11214(b).

(c) The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR Part 63 Subpart JJJJJJ and is an accurate depiction of the facility, in accordance with 40 CFR § 63.11214(c).

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014 for Boilers 1, 2, and 3]

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

**SECTION D. Source Level Requirements**

(a) The permittee shall maintain the following records, in accordance with 40 CFR § 63.11225(c)(1) through (7), as applicable:

(1) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee shall keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status submitted.

(2) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 and 40 CFR § 63.11223 as follows:

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) For each boiler required to conduct an energy assessment, the permittee shall keep a copy of the energy assessment report.

(3) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(b) The permittee shall maintain records in a form suitable and readily available for expeditious review. The permittee shall keep each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The permittee may keep the records off site for the remaining 3 years.

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the following information:

(1) Company name and address.

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

(i) "This facility complies with the requirements in 40 CFR § 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

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

(iii) "This facility complies with the requirement in 40 CFR §§ 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

**SECTION D. Source Level Requirements****# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]****SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

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

- (a) The permittee shall submit the "Notification of Compliance Status" no later than 120 days after March 21, 2014, according to 40 CFR § 63.11225(a)(4).
- (b) The permittee shall submit the "Notification of Compliance Status" in accordance with 40 CFR § 63.11225(a)(4)(i) and (vi).
- (c) The permittee shall sign the "Notification of Compliance Status" by a responsible office and shall include the following information and certification(s) of compliance, as applicable:
- (1) The permittee shall submit the information required in 40 CFR § 63.9(h)(2), except the information listed in 40 CFR § 63.9(h)(2)(i)(B), (D), (E), and (F).
 - (2) "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler."
 - (3) "This facility has had an energy assessment performed according to 40 CFR § 63.11214(c)."
 - (4) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
 - (5) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR § 63.13.

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014.]

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.**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and operate a fuel oil meter and natural gas meter, each with a totalizer.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

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

- (a) The permittee shall conduct an initial tune-up as specified in 40 CFR § 63.11214, and conduct a tune-up of the boiler biennially as specified in 40 CFR § 63.11223, in accordance with 40 CFR § 63.11201(b), Table 2, Item No. 4 (as amended February 1, 2013).
- (b) The permittee shall conduct the initial tune-up no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(1) and 40 CFR § 63.11210(c).

**SECTION D. Source Level Requirements**

[Note: Compliance with the requirement to conduct an initial tune-up on the boiler was demonstrated as follows:

Boiler 1 (Source ID B02) - January 30, 2014
 Boiler 2 (Source ID B06) - January 27, 2014
 Boiler 3 (Source ID B07) - January 30, 2014
 Boiler 4 (Source ID B08) - December 10, 2015]

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

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

- (a) The permittee shall perform a one-time energy assessment of the boiler according to 40 CFR § 63.11201(b), Table 2, Item No. 16 (as amended February 1, 2013).
- (b) The permittee shall conduct the one-time energy assessment no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(3) and 40 CFR § 63.11210(c).
- (c) According to 40 CFR § 63.11201(b), an energy assessment completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in Table 2 of 40 CFR Part 63 Subpart JJJJJJ satisfies the energy assessment requirement. A facility that operates under an energy management program established through energy management systems compatible with ISO 50001, that includes the affected units, also satisfies the energy assessment requirement.
- (d) The one-time energy assessment must be performed by a qualified energy assessor. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in 40 CFR § 63.11237:
- (1) A visual inspection of the boiler system,
 - (2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
 - (3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
 - (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
 - (5) A list of major energy conservation measures that are within the facility's control,
 - (6) A list of the energy savings potential of the energy conservation measures identified, and
 - (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

[Note: The one-time energy assessment was conducted on March 13, 2014 for Boilers 1, 2, and 3.]

024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]**SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my general requirements for complying with this subpart?**

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

The permittee shall operate and maintain the boiler and any associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, in accordance with 40 CFR § 63.11205(a) (as amended February 1, 2013).

[Compliance with this condition assures compliance with RACT Operating Permit No. 46-0024, Condition No. (5)(A).]

**SECTION D. Source Level Requirements****# 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]****SUBPART JJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****How do I demonstrate continuous compliance with the work practice and management practice standards?**

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

- (a) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance, according to 40 CFR § 63.11223(b).
- (b) The permittee shall conduct the biennial performance tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.
- (c) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up.
- (d) The permittee shall conduct the biennial tune-up as follows:
 - (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.
 - (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection.
 - (4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.
 - (5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
 - (6) Maintain on-site and submit, if requested by the Administrator, a report containing the information as follows:
 - (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.
 - (ii) A description of any corrective actions taken as a part of the tune-up of the boiler.
 - (iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.
 - (7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

VII. ADDITIONAL REQUIREMENTS.**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This boiler is equipped with flue gas recirculation (FGR).

**SECTION D. Source Level Requirements**

Source ID: B08

Source Name: JOHNSTON BOILER 4

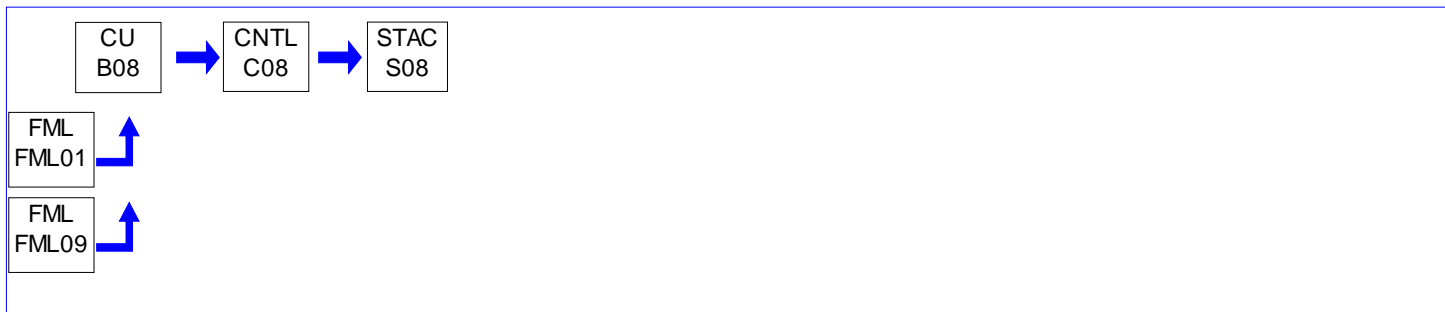
Source Capacity/Throughput: 24.200 MMBTU/HR

180.000 Gal/HR

#2 Oil

24,200.000 CF/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 pound per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

[The method of compliance for this condition is the use of compliant fuels as required herein.]

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

The permittee shall limit the aggregate NOx emissions from Sources B02, B06, B07, and B08 to less than 16.2 tons per year, based on a 12-month rolling sum.

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

The permittee shall construct this source capable of reducing nitrogen oxides (NOx) and carbon monoxide (CO) emissions to or below:

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

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

A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 500 ppm (0.05%) by weight sulfur content, in accordance with 25 Pa. Code § 123.22(e)(2), except as allowable in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

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

[Compliance with this condition also demonstrates compliance with the sulfur content limit of 0.5% weight percent as found in 40 CFR § 60.42c(d).]

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

The permittee shall fire this boiler with natural gas or No. 2 fuel oil only.

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

The permittee shall limit the total heat energy throughput from the aggregate of Sources B02, B06, B07, B08 to less than or equal to 247,200 MMBtu/year, when using natural gas and/or No. 2 fuel oil as applicable, based on a 12-month rolling sum.

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

(a) No later than one hundred and eighty (180) days of issuance of the minor modification operating permit, the permittee shall demonstrate initial compliance with the emission limitations for NO_x and CO in ppm_{dv} at 3% oxygen while firing No. 2 fuel oil as established in Condition #003 for this boiler. The demonstration of compliance may include either of the following methods:

(1) Performance stack testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing).

(2) Recent (within the last five years) test data approved by the Department for an identical boiler.

(b) If performance source testing is chosen for demonstration of compliance:

(1) The permittee shall conduct all tests in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and the Department's latest Source Testing Manual.

(2) The performance test shall be conducted while the source is operating at maximum routine operating conditions or under other such conditions, within the capacity of the equipment, as may be requested by the Department.

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

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

(5) Within sixty (60) days after the source test(s), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

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

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

The permittee shall calculate the annual aggregate heat energy throughput from Source ID B02, B06, B07, and B08 by using the amount of fuel consumed and the respective heating value of each fuel consumed, as follows:

$(\text{amount of fuel}) * (\text{fuel heating value}) = [(\text{SCF natural gas/month}) * (\text{NG heating value in Btu/SCF})] + [(\text{gal No. 2 fuel oil/month}) * (\text{No. 2 fuel oil heating value in Btu/gal})] = \text{MMBtu/12-month rolling period.}$

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

The permittee shall calculate the aggregate NO_x emissions from Source ID B02, B06, B07, and B08 using the following equation:

NO_x emissions from the existing Johnston Boilers B02 and B06:

**SECTION D. Source Level Requirements**

$[(CF \text{ natural gas/yr}) * (32 \text{ lb NOx/MMCF})] + [(gal \text{ No. 2 fuel oil/yr}) * (20 \text{ lb NOx/1000 gal})]$

PLUS

NOx emissions from the existing Johnston Boiler B07: $[(CF \text{ natural gas/yr}) * (\text{NOx emission factor determined during most recent stack test})] + [(gal \text{ No. 2 fuel oil/yr}) * (\text{NOx emission factor determined during most recent stack test})]$

PLUS

NOx emissions from the Johnston Boiler B08:
 $[(CF \text{ natural gas/yr}) * (39 \text{ lb NOx/MMCF})] + [(gal \text{ No. 2 fuel oil/yr}) * (20 \text{ lb NOx/1000 gal})]$

[Additional authority for part of this permit condition is also derived from 25 Pa. Code § 129.91 - § 129.95]

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
 Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
 Reporting and recordkeeping requirements.**

Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

The permittee shall monitor the amount and type of fuel consumed by this boiler on a monthly basis, pursuant to 40 CFR § 60.48c(g)(2).

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §123.22]

Combustion units

(a) The permittee shall maintain in electronic or paper format a record of the shipment of commercial fuel oil containing the following information, according to 25 Pa. Code § 123.22(g)(1) and (5):

- (1) The date of the sale or transfer.
- (2) The name and address of the transferor.
- (3) The name and address of the transferee.
- (4) The volume of commercial fuel oil being sold or transferred.
- (5) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified under 25 Pa. Code § 139.16, expressed as the following statement: "The sulfur content of this shipment is 500 ppm or below," for No. 2 commercial fuel oil.
- (6) The location of the commercial fuel oil at the time of transfer.
- (7) Except for a transfer to a truck carrier, an owner or operator of a retail outlet or an ultimate consumer, the transferor may substitute the information required under subparagraphs (a) - (f) of this condition with the use of a product code if the following are met:

- (i) The product code includes the information required under subparagraphs (a) - (f) of this condition.
- (ii) The product code is standardized throughout the distribution system in which it is used.
- (iii) Each downstream party is given sufficient information to know the full meaning of the product code.

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

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NOx emissions for Source ID B02, B06, B07, and B08 including 12-month rolling sums.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate heat energy throughput from Sources B02, B06, B07, and

**SECTION D. Source Level Requirements**

B08, including 12-month rolling sums.

**# 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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3]

(a) The permittee shall maintain monthly records of the amount and type of fuel consumed in this boiler, pursuant to 40 CFR § 60.48c(g)(2).

(b) The permittee shall maintain records of each fuel supplier certification submittal indicating the sulfur content of the No. 2 fuel oil in accordance with 40 CFR § 60.48c(e).

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and
Institutional Boilers Area Sources
What are my notification, reporting, and recordkeeping requirements?**

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

(a) The permittee shall maintain the following records, in accordance with 40 CFR § 63.11225(c)(1) through (7), as applicable:

(1) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee shall keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status submitted.

(2) The permittee shall keep records to document conformance with the work practices and management practices required by 40 CFR § 63.11214 and 40 CFR § 63.11223 as follows:

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) For each boiler required to conduct an energy assessment, the permittee shall keep a copy of the energy assessment report.

(3) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR § 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(b) The permittee shall maintain records in a form suitable and readily available for expeditious review. The permittee shall keep each record for 5 years following the date of each recorded action. The permittee shall keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. The permittee may keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

**# 016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3.]

**SECTION D. Source Level Requirements**

(a) The permittee shall report records of fuel supplier certifications, including a certified statement signed by the owner or operator of the facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period and state the calendar dates covered in the reporting period, pursuant to 40 CFR § 60.48c(e)(1) and (11).

(b) Fuel supplier certification shall include the following information for residual oil, pursuant to 40 CFR § 60.48c(f)(2):

- (1) The name of the oil supplier;
- (2) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;
- (3) The sulfur content of the oil from which the shipment came (or of the shipment itself); and
- (4) The method used to determine the sulfur content of the oil.

(c) Reports shall be submitted to the USEPA and the Department on a semi-annual basis unless no excess emissions occurred. If there are no excess emissions, the permittee shall semi-annually report that no excess emissions occurred during the semi-annual reporting period.

(d) Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). The initial semi-annual report shall be postmarked by the 30th day of the sixth month following the completion of the initial performance test. Each subsequent report shall be postmarked by the 30th day following the end of the reporting period.

(e) Pursuant to 40 CFR § 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both USEPA and the Department. The USEPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance Assistance
Mail Code 3AP20
USEPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

[Compliance with this condition assures compliance with the requirements of 25 Pa. Code § 139.16 regarding testing for sulfur in fuel oil.]

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

Additional authority for this permit condition is also derived from 25 Pa. Code § 122.3.]

In regards to the addition of No. 2 fuel oil used in this boiler:

(a) The permittee shall submit to the Department and the USEPA notification of the date of construction postmarked no later than 30 days after such date, according to 40 CFR § 60.48c(a) and § 60.7(a)(1).

(b) The permittee shall submit to the Department and the USEPA notification of the date of actual start-up, postmarked within 15 days after such date, according to 40 CFR § 60.48c(a) and § 60.7(a)(3).

(c) The notifications shall include the design heat input capacity of the source and identification of fuels to be combusted in the source.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11214]

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

How do I demonstrate initial compliance with the work practice standard, emission reduction measures, and management practice?

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

**SECTION D. Source Level Requirements**

(a) The permittee shall submit a signed statement in the Notification of Compliance Status report that indicates a tune-up of the boiler has been conducted, in accordance with 40 CFR § 63.11214(b).

(b) The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 of 40 CFR Part 63 Subpart JJJJJ and is an accurate depiction of the facility, in accordance with 40 CFR § 63.11214(c).

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014 for Boilers 1, 2, and 3]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the following information:

(1) Company name and address.

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

(i) "This facility complies with the requirements in 40 CFR § 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

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

(iii) "This facility complies with the requirement in 40 CFR §§ 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

(a) The permittee shall submit the "Notification of Compliance Status" no later than 120 days after March 21, 2014, according to 40 CFR § 63.11225(a)(4).

(b) The permittee shall submit the "Notification of Compliance Status" in accordance with 40 CFR § 63.11225(a)(4)(i) and (vi).

(c) The permittee shall sign the "Notification of Compliance Status" by a responsible office and shall include the following information and certification(s) of compliance, as applicable:

(1) The permittee shall submit the information required in 40 CFR § 63.9(h)(2), except the information listed in 40 CFR § 63.9(h)(2)(i)(B), (D), (E), and (F).

(2) "This facility complies with the requirements in 40 CFR § 63.11214 to conduct an initial tune-up of the boiler."

**SECTION D. Source Level Requirements**

(3) "This facility has had an energy assessment performed according to 40 CFR § 63.11214(c)."

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

(5) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR § 63.13.

[Note: The NOCS was submitted electronically (CEDRI) on July 16, 2014.]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

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

In regards to the addition of No. 2 fuel oil used in this boiler:

The permittee shall submit an initial notification within 120 days after start-up of the boiler, in accordance with 40 CFR § 63.11225(a)(2).

VI. WORK PRACTICE REQUIREMENTS.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain and operate a fuel oil meter and natural gas meter, each with a totalizer.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]

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

What standards must I meet?

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

(a) The permittee shall conduct an initial tune-up as specified in 40 CFR § 63.11214, and conduct a tune-up of the boiler biennially as specified in 40 CFR § 63.11223, in accordance with 40 CFR § 63.11201(b), Table 2, Item No. 4 (as amended February 1, 2013).

(b) The permittee shall conduct the initial tune-up no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(1) and 40 CFR § 63.11210(c).

[Note: Compliance with the requirement to conduct an initial tune-up on the boiler was demonstrated as follows:

Boiler 1 (Source ID B02) - January 30, 2014

Boiler 2 (Source ID B06) - January 27, 2014

Boiler 3 (Source ID B07) - January 30, 2014

Boiler 4 (Source ID B08) - December 10, 2015]

024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]

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

What standards must I meet?

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

(a) The permittee shall perform a one-time energy assessment of the boiler according to 40 CFR § 63.11201(b), Table 2,

**SECTION D. Source Level Requirements**

Item No. 16 (as amended February 1, 2013).

(b) The permittee shall conduct the one-time energy assessment no later than March 21, 2014, in accordance with 40 CFR § 63.11196(a)(3) and 40 CFR § 63.11210(c).

(c) According to 40 CFR § 63.11201(b), an energy assessment completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in Table 2 of 40 CFR Part 63 Subpart JJJJJJ satisfies the energy assessment requirement. A facility that operates under an energy management program established through energy management systems compatible with ISO 50001, that includes the affected units, also satisfies the energy assessment requirement.

(d) The one-time energy assessment must be performed by a qualified energy assessor. The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in 40 CFR § 63.11237:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
- (3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures that are within the facility's control,
- (6) A list of the energy savings potential of the energy conservation measures identified, and
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

[Note: The one-time energy assessment was conducted on March 13, 2014 for Boilers 1, 2, and 3.]

025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

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

What are my general requirements for complying with this subpart?

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

The permittee shall operate and maintain the boiler and any associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, in accordance with 40 CFR § 63.11205(a) (as amended February 1, 2013).

[Compliance with this condition assures compliance with RACT Operating Permit No. 46-0024, Condition No. (5)(A).]

026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11214]

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

How do I demonstrate initial compliance with the work practice standard, emission reduction measures, and management practice?

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

In regards to the addition of No. 2 fuel oil in this boiler:

The permittee shall conduct an initial tune-up no later than 25 months after the initial startup of the boiler firing No. 2 fuel oil, pursuant to 40 CFR § 63.11210(f), § 63.11214(b) and § 63.11223(b).

027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]

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

**SECTION D. Source Level Requirements****How do I demonstrate continuous compliance with the work practice and management practice standards?**

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

- (a) The permittee shall conduct a tune-up of the boiler biennially to demonstrate continuous compliance, according to 40 CFR § 63.11223(b).
- (b) The permittee shall conduct the biennial performance tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.
- (c) The permittee shall conduct each biennial tune-up no more than 25 months after the previous tune-up.
- (d) The permittee shall conduct the biennial tune-up as follows:
- (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.
 - (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
 - (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection.
 - (4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.
 - (5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
 - (6) Maintain on-site and submit, if requested by the Administrator, a report containing the information as follows:
 - (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.
 - (ii) A description of any corrective actions taken as a part of the tune-up of the boiler.
 - (iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.
 - (7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

VII. ADDITIONAL REQUIREMENTS.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

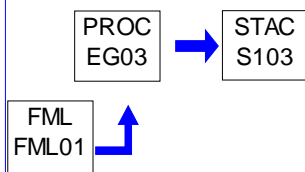
This boiler is equipped with flue gas recirculation (FGR).

**SECTION D. Source Level Requirements**

Source ID: EG03

Source Name: EMERGENCY GENERATOR 3 (RESEARCH C)

Source Capacity/Throughput: 2,305.000 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 a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall burn Natural Gas only in this emergency generator.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation to 490 hours per year for this emergency generator, based on a 12-month rolling sum.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

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

The permittee shall operate the emergency stationary RICE according to the requirements in paragraphs (a) and (b) of this condition, according to 40 CFR § 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary

RICE under 40 CFR Part 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a) and (b) of this condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) and (b) of this condition, the engine will not be considered an emergency engine under Subpart ZZZZ and must meet all requirements for non-emergency engines.

(a) The permittee may operate the emergency stationary RICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local

**SECTION D. Source Level Requirements**

standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(b) Emergency stationary RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (a) of this condition.

II. TESTING REQUIREMENTS.

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

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.**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

The permittee shall keep the following records, according to 40 CFR § 63.6655(a)(2), (4), and (5):

(a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(b) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(c) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

(a) The permittee shall keep records of the O&M Plan or manufacturer's specifications to show continuous compliance with the work management practices according to 40 CFR § 63.6655(d) and Item No. 9 of Table 6 of 40 CFR Part 63 Subpart ZZZZ.

(b) The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE according to the facility O&M Plan, according to 40 CFR § 63.6655(e).

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

**SECTION D. Source Level Requirements**

(a) The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter, according to 40 CFR § 63.6655(f).

(b) The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(c) If the engine is used for the purposes specified in 40 CFR § 63.6640(f)(2)(ii) or (iii) or 40 CFR § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

[Compliance with this condition assures compliance with the RACT Operating Condition to monitor and record the hours of operation.]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

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

(a) The permittee shall maintain records in a form suitable and readily available for expeditious review according to 40 CFR § 63.10(b)(1).

(b) As specified in 40 CFR § 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR § 63.10(b)(1).

V. REPORTING REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

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

The permittee shall report each instance in which the work practice requirements (i.e. oil and filter change, inspection, etc.) have not been met. These instances are deviations from the work practice requirements of 40 CFR Part 63 Subpart ZZZZ. These instances of deviations must be reported according to the requirements in 40 CFR § 63.6650.

VI. WORK PRACTICE REQUIREMENTS.**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

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

(a) The permittee shall comply with the following requirements for this emergency stationary SI RICE according to 40 CFR § 63.6603(a) and Item No. 5 of Table 2d of 40 CFR Part 63 Subpart ZZZZ:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs annually and replace as necessary; and

**SECTION D. Source Level Requirements**

(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(b) In accordance with 40 CFR § 63.6625(j), the permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirements above. The oil analysis must be performed at the same frequency specified above for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

(a) The permittee shall be in compliance with the applicable requirements of 40 CFR Part 63 Subpart ZZZZ at all times.

(b) At all times the permittee shall operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[Compliance with this condition assures compliance with RACT Operating Permit No. 46-0024, Condition No. (5)(A).]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

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

The permittee shall operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or facility-developed maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, according to 40 CFR § 63.6625(e)(3).

VII. ADDITIONAL REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

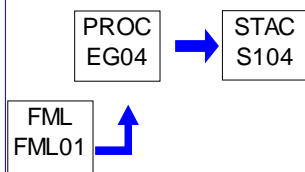
This emergency generator is rated at 2.42 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: EG04

Source Name: EMERGENCY GENERATOR 4 (RESEARCH A)

Source Capacity/Throughput: 4,924.000 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 a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

Fuel Restriction(s).

002 [25 Pa. Code §127.411]

Content of applications.

The permittee shall burn Natural Gas only in this emergency generator.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.411]

Content of applications.

The permittee shall limit the hours of operation to 140 hours per year for this emergency generator, based on a 12-month rolling sum.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

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

The permittee shall operate the emergency stationary RICE according to the requirements in paragraphs (a) and (b) of this condition, according to 40 CFR § 63.6640(f)(1) through (4). In order for the engine to be considered an emergency stationary

RICE under 40 CFR Part 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a) and (b) of this condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) and (b) of this condition, the engine will not be considered an emergency engine under Subpart ZZZZ and must meet all requirements for non-emergency engines.

(a) The permittee may operate the emergency stationary RICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local

**SECTION D. Source Level Requirements**

standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(b) Emergency stationary RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (a) of this condition.

II. TESTING REQUIREMENTS.

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

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.**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

The permittee shall keep the following records, according to 40 CFR § 63.6655(a)(2), (4), and (5):

(a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(b) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(c) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

(a) The permittee shall keep records of the O&M Plan or manufacturer's specifications to show continuous compliance with the work management practices according to 40 CFR § 63.6655(d) and Item No. 9 of Table 6 of 40 CFR Part 63 Subpart ZZZZ.

(b) The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE according to the facility O&M Plan, according to 40 CFR § 63.6655(e).

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

**SECTION D. Source Level Requirements**

(a) The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter, according to 40 CFR § 63.6655(f).

(b) The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(c) If the engine is used for the purposes specified in 40 CFR § 63.6640(f)(2)(ii) or (iii) or 40 CFR § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

[Compliance with this condition assures compliance with the RACT Operating Condition to monitor and record the hours of operation.]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

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

(a) The permittee shall maintain records in a form suitable and readily available for expeditious review according to 40 CFR § 63.10(b)(1).

(b) As specified in 40 CFR § 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR § 63.10(b)(1).

V. REPORTING REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

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

The permittee shall report each instance in which the work practice requirements (i.e. oil and filter change, inspection, etc.) have not been met. These instances are deviations from the work practice requirements of 40 CFR Part 63 Subpart ZZZZ. These instances of deviations must be reported according to the requirements in 40 CFR § 63.6650.

VI. WORK PRACTICE REQUIREMENTS.**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

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

(a) The permittee shall comply with the following requirements for this emergency stationary SI RICE according to 40 CFR § 63.6603(a) and Item No. 5 of Table 2d of 40 CFR Part 63 Subpart ZZZZ:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs annually and replace as necessary; and

**SECTION D. Source Level Requirements**

(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(b) In accordance with 40 CFR § 63.6625(j), the permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirements above. The oil analysis must be performed at the same frequency specified above for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

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

(a) The permittee shall be in compliance with the applicable requirements of 40 CFR Part 63 Subpart ZZZZ at all times.

(b) At all times the permittee shall operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[Compliance with this condition assures compliance with RACT Operating Permit No. 46-0024, Condition No. (5)(A).]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

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

The permittee shall operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or facility-developed maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, according to 40 CFR § 63.6625(e)(3).

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §127.411]****Content of applications.**

This emergency generator is rated at 5.17 MMBtu/hr.

**SECTION D. Source Level Requirements**

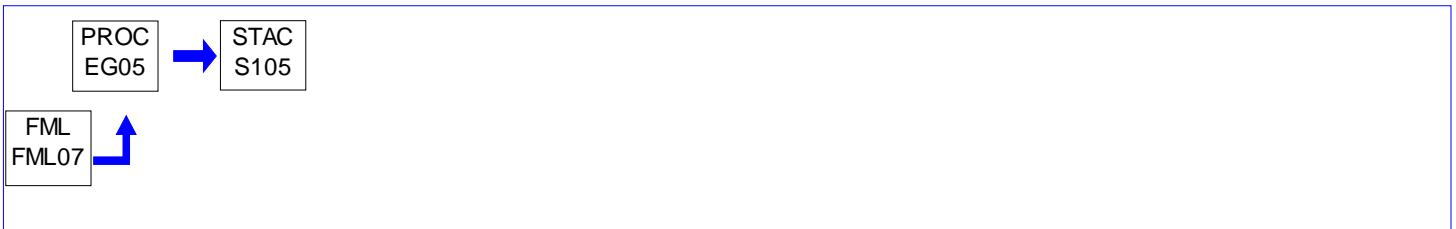
Source ID: EG05

Source Name: EMERGENCY GENERATOR 5 (PLANT)

Source Capacity/Throughput:

24.200 Gal/HR

Diesel Fuel

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[The method of compliance for this permit condition is using proper fuels as approved herein.]

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.

[Compliance with this condition is streamlined in 40 CFR § 60.4207(b) and § 80.510(b)(1)(i), by using diesel fuel oil with a sulfur content of 15ppm maximum.]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the aggregate NO_x emissions from all exempt engines on site to less than 100 lbs/hour, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall burn diesel only in this emergency generator.

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation of this exempt engine to less than 500 hours per year, based on a 12-month rolling sum.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

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

The permittee shall operate the emergency stationary RICE according to the requirements in paragraphs (a) and (b) of this condition, according to 40 CFR § 63.6640(f)(1) through (4). In order for the engine to be considered an emergency

**SECTION D. Source Level Requirements**

stationary RICE under 40 CFR Part 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in nonemergency situations for 50 hours per year, as described in paragraphs (a) and (b) of this condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) and (b) of this condition, the engine will not be considered an emergency engine under Subpart ZZZZ and must meet all requirements for non-emergency engines.

(a) The permittee may operate the emergency stationary RICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(b) Emergency stationary RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (a) of this condition.

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

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

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

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

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

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

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt engines on site including pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NOx emission limits applicable to this source.

**SECTION D. Source Level Requirements****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

The permittee shall keep the following records, according to 40 CFR § 63.6655(a)(2), (4), and (5):

- (a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
- (b) Records of all required maintenance performed on the air pollution control and monitoring equipment.
- (c) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

- (a) The permittee shall keep records of the O&M Plan or manufacturer's specifications to show continuous compliance with the work management practices according to 40 CFR § 63.6655(d) and Item No. 9 of Table 6 of 40 CFR Part 63 Subpart ZZZZ.
- (b) The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE according to the facility O&M Plan, according to 40 CFR § 63.6655(e).

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

- (a) The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter, according to 40 CFR § 63.6655(f).
- (b) The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.
- (c) If the engine is used for the purposes specified in 40 CFR § 63.6640(f)(2)(ii) or (iii) or 40 CFR § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

[Compliance with this condition assures compliance with the RACT Operating Condition to monitor and record the hours of operation.]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

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

**SECTION D. Source Level Requirements**

(a) The permittee shall maintain records in a form suitable and readily available for expeditious review according to 40 CFR § 63.10(b)(1).

(b) As specified in 40 CFR § 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR § 63.10(b)(1).

V. REPORTING REQUIREMENTS.**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

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

The permittee shall report each instance in which the work practice requirements (i.e. oil and filter change, inspection, etc.) have not been met. These instances are deviations from the work practice requirements of 40 CFR Part 63 Subpart ZZZZ. These instances of deviations must be reported according to the requirements in 40 CFR § 63.6650.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

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

(a) The permittee shall comply with the following requirements for this emergency stationary CI RICE according to 40 CFR § 63.6603(a) and Item No. 4 of Table 2d of 40 CFR Part 63 Subpart ZZZZ:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect air cleaner annually and replace as necessary; and
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(b) In accordance with 40 CFR § 63.6625(i), the permittee has the option of utilizing an oil analysis program in order to extend the oil change requirement. The oil analysis must be performed at the same frequency specified above for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

**SECTION D. Source Level Requirements**

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

(a) The permittee shall be in compliance with the applicable requirements of 40 CFR Part 63 Subpart ZZZZ at all times.

(b) At all times the permittee shall operate and maintain the affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[Compliance with this condition assures compliance with RACT Operating Permit No. 46-0024, Condition No. (5)(A).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

What are my monitoring, installation, operation, and maintenance requirements?

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

The permittee shall operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or facility-developed maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions, according to 40 CFR § 63.6625(e)(3).

VII. ADDITIONAL REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This emergency generator is rated at 400 kW heat output.

**SECTION D. Source Level Requirements**

Source ID: EG06

Source Name: EMERGENCY GENERATOR 6 (PLANT)

Source Capacity/Throughput:

34.400 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[The method of compliance for this permit condition is using proper fuels as approved herein.]

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.

[Compliance with this condition is streamlined in 40 CFR § 60.4207(b) and § 80.510(b)(1)(i), by using diesel fuel oil with a sulfur content of 15ppm maximum.]

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

The permittee shall limit the aggregate NO_x emissions from all exempt engines on site to less than 100 lbs/hour, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall comply with the following emission standards according to 40 CFR § 60.4205(b):

- (a) 4.0 g/kW-hr NMHC + NO_x
- (b) 3.5 g/kW-hr CO
- (c) 0.20 g/kW-hr PM.

[Derived from Table 1 of 40 CFR § 89.112, for 500 kW, Tier 3, 2007 model year and later emergency stationary, nonroad CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines.]

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122, 40 CFR § 60.4207(b) and 40 CFR § 80.510(b).]

**SECTION D. Source Level Requirements**

The permittee shall use diesel fuel that meets the following requirements, on a per-gallon standards:

- (a) Sulfur content: 15 ppm maximum.
- (b) Cetane index or aromatic content, as follows:
 - (1) A minimum cetane index of 40; or
 - (2) A maximum aromatic content of 35 volume percent.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code § 123.21(b).

Operation Hours Restriction(s).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation of this exempt engine to less than 500 hours per year, based on a 12-month rolling sum.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 CFR § 60.4211(f).]

The permittee shall operate the emergency stationary ICE according to the requirements in paragraphs (a) and (b) of this condition. In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart III, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a) and (b) of this condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) and (b) of this condition, the engine will not be considered an emergency engine under Subpart III and must meet all requirements for non-emergency engines.

(a) The permittee may operate the emergency stationary ICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(b) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (a) of this condition.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

**SECTION D. Source Level Requirements**

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

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

III. MONITORING REQUIREMENTS.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

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

The permittee shall monitor the hours of operation of the engine through the use of a non-resettable hour meter.

IV. RECORDKEEPING REQUIREMENTS.

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

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt engines on site including pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NOx emission limits applicable to this source.

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

The permittee shall maintain records of the following information, for each shipment of diesel fuel received, obtained either by laboratory analysis or from the fuel supplier's certification:

- (a) Sulfur content,
- (b) Cetane index or aromatic content.

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

The permittee shall keep records on site to demonstrate compliance that this engine is EPA certified (i.e. certificate of conformity or Tier certification, etc.) and in compliance with the emission standards as required by 40 CFR § 60.4202(a)(2).

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter, according to 40 CFR § 60.4214(b).

(b) The permittee shall record the time of operation of the engine and the reason the engine was in operation during that time.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR § 60.4205 over the entire life of the engine.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) 40 CFR § 60.4211(a)(1): The permittee shall operate and maintain the stationary CI internal combustion engine according to the manufacturer's emission-related written instructions.

(b) 40 CFR § 60.4211(a)(2): The permittee shall change only those emission-related settings that are permitted by the manufacturer.

(c) 40 CFR § 60.4211(a)(3): The permittee shall meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as applicable.

VII. ADDITIONAL REQUIREMENTS.

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

This engine is subject to the Standards of Performance for New Stationary Sources Subpart IIII and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. 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

NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>

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

This emergency generator is rated at 750 hp.

**SECTION D. Source Level Requirements**

Source ID: EG07

Source Name: EMERGENCY GENERATOR 2 (RESEARCH B)

Source Capacity/Throughput:

11.730 Gal/HR

Diesel Fuel

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

The permittee shall ensure that emission into the outdoor atmosphere of particulate matter from the emergency generator occurs in such a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 gr/dscf, according to 25 Pa. Code § 123.13(c)(1)(i).

[The method of compliance for this permit condition is using proper fuels as approved herein.]

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, according to 25 Pa. Code § 123.21(b).

[Compliance with this condition is streamlined in 40 CFR § 60.4207(b) and § 80.510(b)(1)(i), by using diesel fuel oil with a sulfur content of 15ppm maximum.]

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

The permittee shall limit the aggregate NO_x emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122, 40 CFR § 60.4202(a)(2), 40 CFR § 60.4205(b), and 40 CFR § 89.112.]

The permittee shall ensure that emissions into the outdoor atmosphere from this engine do not exceed the emission rates contained in Table 1 of 40 CFR § 89.112 for Model Year 2006 and later engines with a maximum engine power greater than 130 kW and less than 225 kW (Tier 3):

- (a) NMHC + NO_x: 4.0 g/kW-hr
- (b) CO: 3.5 g/kW-hr
- (c) PM: 0.20 g/kW-hr

[Compliance with the emission standards of 40 CFR Part 60 Subpart IIII and 40 CFR § 89.112 Table 1 is demonstrated through the 2017 USEPA Tier 3 exhaust emission compliance statement 150DSGAC; EPA Certificate No. HCEXL0409AAD023 for this engine.]

**SECTION D. Source Level Requirements****Fuel Restriction(s).**

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 60.4207(b) and 80.510(b)(1)(i).]

The permittee shall ensure that diesel fuel is the only fuel consumed by this engine. The diesel fuel shall comply with the following per-gallon standards:

- (a) Sulfur content: 15 ppm maximum.
- (b) Cetane index or aromatic content, as follows:
 - (1) A minimum cetane index of 40; or
 - (2) A maximum aromatic content of 35 volume percent.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code § 123.21(b).]

Operation Hours Restriction(s).

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 CFR § 60.4211(f).]

The permittee shall operate the emergency stationary ICE according to the requirements in paragraphs (a) and (b) of this condition. In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart III, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a) and (b) of this condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) and (b) of this condition, the engine will not be considered an emergency engine under Subpart III and must meet all requirements for non-emergency engines.

(a) The permittee may operate the emergency stationary ICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(b) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (a) of this condition.

II. TESTING REQUIREMENTS.

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

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

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

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11)

**SECTION D. Source Level Requirements**

(relating to references). The viscosity shall be determined at 100°F.

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

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

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

III. MONITORING REQUIREMENTS.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

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

The permittee shall monitor the hours of operation of the engine through the use of a non-resettable hour meter.

IV. RECORDKEEPING REQUIREMENTS.

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

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt engines on site including pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NOx emission limits applicable to this source.

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

The permittee shall maintain records of the following information, for each shipment of diesel fuel recieved, obtained either by laboratory analysis or from the fuel supplier's certification:

- (a) Sulfur content,
- (b) Cetane index or aromatic content.

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

The permittee shall keep records on site to demonstrate compliance that this engine is EPA certified (i.e. certificate of conformity or Tier certification, etc.) and in compliance with the emission standards as required by 40 CFR § 60.4202(a)(2).

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter, according to 40 CFR § 60.4214(b).

(b) The permittee shall record the time of operation of the engine and the reason the engine was in operation during that time.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 CFR § 60.4211.]

- (a) The permittee shall install and configure the engine in accordance with the manufacturer specifications.
- (b) The permittee shall operate and maintain the engine in accordance with one of the following:
- (1) The manufacturers' written instructions and/or specifications, or
 - (2) Permittee-developed procedures that are approved by the manufacturer. Only those settings that are permitted to be changed by the manufacturer may be changed.

VII. ADDITIONAL REQUIREMENTS.

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

This engine is subject to the Standards of Performance for New Stationary Sources Subpart III and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. 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

NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>

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

The 150-kW Cummins emergency generator Model No. DSGAC is equipped with a Tier 3 diesel Cummins engine, Model No. QSB7-G5 NR3 rated at 324 HP. The Cummins engine used in the generator set complies with Tier 3 emission limits of USEPA NSPS for stationary emergency engines under the provisions of 40 CFR Part 60 Subpart III when tested per ISO8178 D2.

Refer to Cummins EPA certificate number HCEXL0409AAD-023 effective date 11/14/2016 and Cummins emissions family HCEXL0409AAD (D313); RFD No. 6551.

**SECTION D. Source Level Requirements**

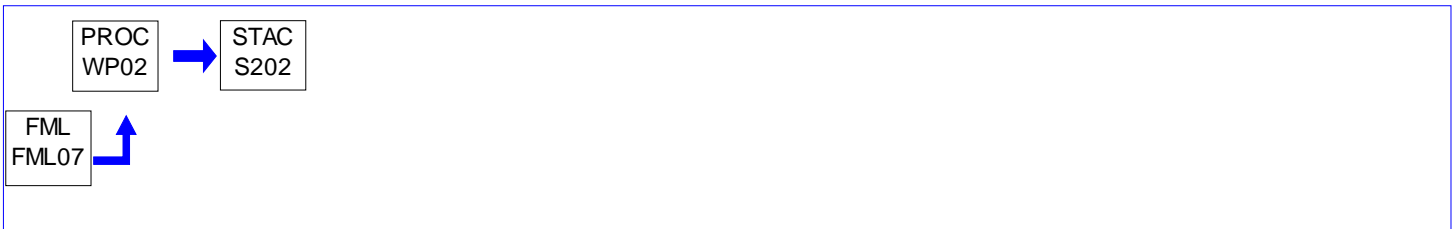
Source ID: WP02

Source Name: FIRE PUMP

Source Capacity/Throughput:

12.000 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[The method of compliance for this permit condition is using proper fuels as approved herein.]

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.

[Compliance with this condition is streamlined in 40 CFR § 60.4207(b) and § 80.510(b)(1)(i), by using diesel fuel oil with a sulfur content of 15ppm maximum.]

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

The permittee shall limit the aggregate NO_x emissions from all exempt engines on site to less than 100 lbs/hour, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall comply with the following emission standards, according to 40 CFR § 60.4205(c):

- (a) 4.0 g/kW-hr (3.0 g/hp-hr) NMHC + NO_x
- (b) 0.2 g/kW-hr (0.15 g/hp-hr) PM.

[Derived from Table 4 of 40 CFR Part 60 Subpart III for fire pumps with a maximum engine power 130<kW<225 (175<hp<300) Model Year 2009+.]

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122, 40 CFR § 60.4207(b) and 40 CFR § 80.510(b).]

**SECTION D. Source Level Requirements**

The permittee shall use diesel fuel that meets the following requirements, on a per-gallon standards:

- (a) Sulfur content: 15 ppm maximum.
- (b) Cetane index or aromatic content, as follows:
 - (1) A minimum cetane index of 40; or
 - (2) A maximum aromatic content of 35 volume percent.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code § 123.21(b).]

Operation Hours Restriction(s).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation of this exempt engine to less than 500 hours per year, based on a 12-month rolling sum.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 CFR § 60.4211(f).]

The permittee shall operate the emergency stationary ICE according to the requirements in paragraphs (a) and (b) of this condition. In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart III, any operation other than emergency operation, maintenance and testing, and operation in nonemergency situations for 50 hours per year, as described in paragraphs (a) and (b) of this condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) and (b) of this condition, the engine will not be considered an emergency engine under Subpart III and must meet all requirements for non-emergency engines.

(a) The permittee may operate the emergency stationary ICE for any combination of the purposes of maintenance checks and readiness testing for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (b) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (a). Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(b) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (a) of this condition.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

**SECTION D. Source Level Requirements**

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

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

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

III. MONITORING REQUIREMENTS.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?

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

The permittee shall monitor the hours of operation of the engine through the use of a non-resettable hour meter.

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt engines on site including pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NOx emission limits applicable to this source.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following information, for each shipment of diesel fuel received, obtained either by laboratory analysis or from the fuel supplier's certification:

(a) Sulfur content,

(b) Cetane index or aromatic content.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records on site to demonstrate compliance that this engine is EPA certified (i.e. certificate of conformity or Tier certification, etc.) and in compliance with the emission standards as required by 40 CFR § 60.4202(a)(2).

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter, according to 40 CFR § 60.4214(b).

(b) The permittee shall record the time of operation of the engine and the reason the engine was in operation during that time.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR § 60.4205 over the entire life of the engine.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) 40 CFR § 60.4211(a)(1): The permittee shall operate and maintain the stationary CI internal combustion engine according to the manufacturer's emission-related written instructions.

(b) 40 CFR § 60.4211(a)(2): The permittee shall change only those emission-related settings that are permitted by the manufacturer.

(c) 40 CFR § 60.4211(a)(3): The permittee shall meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as applicable.

VII. ADDITIONAL REQUIREMENTS.

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

This engine is subject to the Standards of Performance for New Stationary Sources Subpart IIII and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. 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

NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>

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

This fire pump is rated at 237 hp.



SECTION E. Source Group Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
B02	JOHNSTON BOILER 1		
Emission Limit		Pollutant	
16.200	Tons/Yr	Aggregate of Sources B02, B06, B07, and B08	NOX
0.400	Lbs/MMBTU		PM10
B06	JOHNSTON BOILER 2		
Emission Limit		Pollutant	
16.200	Tons/Yr	Aggregate of Sources B02, B06, B07, and B08	NOX
0.400	Lbs/MMBTU		PM10
B07	JOHNSTON BOILER 3		
Emission Limit		Pollutant	
300.000	PPMV	at 3% O2	CO
16.200	Tons/Yr	Aggregate of Sources B02, B06, B07, and B08	NOX
30.000	PPMV	at 3% O2 when firing natural gas	NOX
90.000	PPMV	at 3% O2 when firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		PM10
B08	JOHNSTON BOILER 4		
Emission Limit		Pollutant	
300.000	PPMV	at 3% O2	CO
16.200	Tons/Yr	Aggregate of Sources B02, B06, B07, and B08	NOX
30.000	PPMV	at 3% O2 when firing natural gas	NOX
90.000	PPMV	at 3% O2 when firing No. 2 fuel oil	NOX
0.400	Lbs/MMBTU		PM10
EG03	EMERGENCY GENERATOR 3 (RESEARCH C)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
EG04	EMERGENCY GENERATOR 4 (RESEARCH A)		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
EG05	EMERGENCY GENERATOR 5 (PLANT)		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	all exempt engines on site	NOX
6.600	Tons/Yr	all exempt engines on site	NOX
100.000	Lbs/Hr	all exempt engines on site	NOX
1,000.000	Lbs/Day	all exempt engines on site	NOX
0.040	gr/DRY FT3		PM10

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
EG06	EMERGENCY GENERATOR 6 (PLANT)		
Emission Limit		Pollutant	
3.500	GRAMS/KW-Hr		CO
2.750	Tons/OZNESEAS	all exempt engines on site	NOX
6.600	Tons/Yr	all exempt engines on site	NOX
100.000	Lbs/Hr	all exempt engines on site	NOX
1,000.000	Lbs/Day	all exempt engines on site	NOX
4.000	GRAMS/KW-Hr		NOx+NMHC
0.040	gr/DRY FT3		PM10
2.000	GRAMS/KW-Hr		PM10
EG07	EMERGENCY GENERATOR 2 (RESEARCH B)		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	all exempt engines on site	NOX
6.600	Tons/Yr	all exempt engines on site	NOX
100.000	Lbs/Hr	all exempt engines on site	NOX
1,000.000	Lbs/Day	all exempt engines on site	NOX
0.040	gr/DRY FT3		PM10
WP02	FIRE PUMP		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	all exempt engines on site	NOX
6.600	Tons/Yr	all exempt engines on site	NOX
100.000	Lbs/Hr	all exempt engines on site	NOX
1,000.000	Lbs/Day	all exempt engines on site	NOX
3.000	GRAMS/HP-Hr		NOx+NMHC
4.000	GRAMS/KW-Hr		NOx+NMHC
0.040	gr/DRY FT3		PM10
0.150	GRAMS/HP-Hr		PM10
0.200	GRAMS/KW-Hr		PM10

Site Emission Restriction Summary

Emission Limit		Pollutant
24.900	Tons/Yr	VOC
22.600	Tons/Yr	NOX
99.000	Tons/Yr	PM10
9.900	Tons/Yr	Single HAP
24.900	Tons/Yr	Combination HAPs
		Hazardous Air Pollutants
		Hazardous Air Pollutants



SECTION G. Emission Restriction Summary.

**SECTION H. Miscellaneous.**-----
NOVEMBER 2003

(a) Certain terms and conditions of this State Only Operating Permit have been derived from the following previously issued operating permits and plan approvals:

RACT Operating Permit OP-46-0024
Operating Permit 46-313-017A
Plan Approval No. 46-0024 and Plan Approval No. 46-0024A
Plan Approval No. PA-46-0024D (Source ID B07 Johnston Boiler 3)
Plan Approval No. 46-0024G (Source ID B08 Johnston Boiler 4 installed, Source ID B01 Kewanee Boiler removed)

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

- (1) B05 Day Care Boiler - 0.65 MMBtu/hr fired by natural gas
- (2) WH-1 Day Care Water Heater - 0.25 MMBtu/hr fired by natural gas
- (3) Aqueous Parts Washer
- (4) Research and Development (R&D) Equipment, and associated dust collectors, filters, baghouses, and collection devices
- (5) FML02 (100,000 gallon), FML03 (100,000 gallon), FML04 (56,000 gallon) No. 4 Fuel Oil Storage Tanks - FML02 and FML04 feed directly into FML03. ** Update February 2019 ** FML02 and FML03 have been taken out of service; FML04 is the only remaining No. 4 fuel oil tank feeding the boilers. ** Update December 2019 ** Only No. 2 fuel oil remains; No. 4 fuel oil has been replaced by No. 2 fuel oil in the boilers **
- (6) Above ground storage tanks: FML09 - 1,000 gallon gasoline tank and FML10 - 500 gallon diesel vehicle fuel
- (7) Burner replacement for Johnston Boiler No. 1 - RFD No. 46-A01-2086
- (8) Accela Cota #6 Coating Pan with a Torit Dust Collector (model DFT 3-24) - RFD No. 46-A01-2338 ** This source has been removed from the plant **
- (9) Source ID 115 - Glatt 60 Fluid Bed Dryer - RFD No. 2898
- (10) Source ID 146 - Sugar Unloading (a part of 2013/2014 Liquid Dose Manufacturing) - RFD No. 2195 and RFD No. 3146
- (11) Liquid Pilot Plant - no air emission points
- (12) O'Hara Fluid Bed Granulator - RFD No. 5929
- (13) Carton and Packaging Labeler – Thermal Transfer equipped with a filter and vented indoors
- (14) Isopropyl alcohol (Hand Cleaning of Equipment) – emits approximately 0.5 tpy VOC
- (15) Powdered Flavoring Room 2-503 Hood – HEPA filtered and vented indoors
- (16) R&D Pilot Plant Equipment: Pilot Plant Pollution Control Devices (Dust Collectors, filter socks, HEPA filters); (DC102): R&D Pilot Plant Room Dust Collection Donaldson DC 121-1
- (17) Research B (RB17A) Small Scale equipment:
 - (i) Glatt 1-3 Filter socks to Camfil HEPA filter – Secondary pollution control HEPA filters for Glatt 1-3; refer to RFD No. 4892
 - (ii) O'Hara Technologies Fluid Bed – Filter socks to O'Hara HEPA filter
 - (iii) O'Hara Coating Pan – #26692 Filter socks to O'Hara HEPA filter
 - (iv) Aeromatic AG Fluid Bed – Filter socks to Camfil HEPA filter
 - (v) Dust Collector for ambient dust, Donaldson Torit; refer to RFD No. 4405
 - (vi) Spencer House Vacuum; refer to RFD No. 4405: The replacement of the R&D Research B Baghouse and the R&D Spencer Vacuum System are exempt from plan approval requirements according to 25 Pa. Code § 127.14(a)(8), Item No. 25(iii) of Document No. 275-2101-003. The PM10 emission rate from research and development activities are less than 3.0 tons per year.
- (18) Tablet Coating (Source ID 109) and Glatt 15 Fluid Bed Processor (Source ID 139) are exempt from plan approval requirements; no solvent solutions will be used in Source ID 109 and 139, only aqueous solutions with zero VOC emissions. Additionally, pre-control PM emissions are below the limits specified in Chapter 123. Refer to RFD No. 5533 February 2016.
- (19) Glatt 1-3 Fluid Bed Dryer (Source ID 113) is exempt from plan approval and operating permit requirements; the source no longer uses VOC solvent and the unit will only process aqueous material going forward. Refer to RFD No. 7694 April 2019.
- (20) The reconfiguration of a dust collection system to control particulate matter from rooms with existing weigh booths and mixing tanks is exempt from plan approval requirements according to 25 Pa. Code § 127.14(a)(8), No. 37 of Document No. 275-2101-003 dated August 8, 2018; the particulate matter loading to the cartridge filter is below the limits specified in Chapter 123. Refer to RFD No. 8039.
- (21) Natural gas-fired Weil-McLain Boiler rated at 650,000 BTU/hr located in the Child Development Center.
- (22) R&D TYD-162 Donaldson Torit Central Vacuum Unit.

(c) The permittee shall maintain and operate the sources and associated control devices contained in condition (b) above in

**SECTION H. Miscellaneous.**

accordance with manufacturer's specifications and good air pollution control practices.

APRIL 2008

(d) This permit is an administrative amendment (APS 345579; AUTH ID 716875) to incorporate terms and conditions from plan approval PA-46-0024D. Source ID B07 (Johnston Boiler No. 3) has been added to the permit and appears in the Section A (Site Inventory) and Section D (Source Level). Source ID B04 (Superior Boiler) has been removed from the facility and no longer appears in the permit. Also with this administrative amendment, the following has been addressed:

(1) RFD No. 46-A01-2120: Plant main emergency generator (EG01) has been replaced with a new 400KW diesel generator. The new generator has been added as Source EG05 and appears in Section A (Site Inventory) and Section D (Source Level).

(2) RFD No. 46-A01-2086: A burner has been replaced in the Johnston Boiler No. 1 (B02) with a new low NOx burner. This RFD now appears in Section G and Source ID B02 will remain unchanged in the permit.

FEBRUARY 2009

(e) This permit is the renewal operating permit (APS 647032, AUTH ID 726711): Section C Reporting Requirements have been revised with this renewal. There are no other changes.

FEBRUARY 2014

(f) This permit is the renewal operating permit (APS 647032, AUTH ID 988888): The following items are addressed with this renewal permit:

(1) Source ID 201 - Solid Dose Manufacturing - all equipment associated with solid dose manufacturing has been removed from the facility and no longer appears in the permit. As of 2013/2014, the facility no longer manufactures solid dose products.

(2) Source ID 301 - Liquid Dose Manufacturing - all equipment associated with the old liquid dose manufacturing has been removed and Source ID 301 no longer appears in Section A and Section D of the permit. Old Liquid Dose Manufacturing equipment has been replaced with 2013/2014 Liquid Dose Manufacturing equipment. The only air emission point of 2013/2014 Liquid Dose Manufacturing is the Sugar Unloading System (Source ID 146), reference RFD No. 2195 and 3146.

(3) Source ID 115 - Glatt 60 Fluid Bed Dryer - the source has been reactivated and is exempt from plan approval requirements, reference RFD No. 2898. The source has been removed from Section A and Section D of the permit and now appears in Section G, subcondition (b) above.

(4) Source ID 139 - Glatt 15 Fluid Bed Dryer - the source has been reactivated and is currently operating under Plan Approval No. 46-0024F. The source has been removed from Section A and Section D of the permit and will be incorporated upon administrative amendment at a later date. ** UPDATE 2016 ** Plan Approval No. 46-0024F expired on its own terms due to a change to aqueous-based solutions used in Glatt 15 (zero VOC emissions). Refer to RFD No. 5533 February 2016.

(5) Source ID WP01 - 2.06 MMBtu/hr Fire Pump - the source was replaced by a 177-kW fire pump (Source ID WP02). Section A and Section D have been revised to address the change.

(6) A new fire pump (WP02) and emergency generator (EG06) have been installed in 2011 under RFD No. 2208. The sources have been added to Site Inventory (Section A) and Source Level (Section D) of the permit with applicable requirements.

NOVEMBER 2016

(g) This permit is an administrative amendment (APS 647032; AUTH ID 1154333) to incorporate terms and conditions from Plan

**SECTION H. Miscellaneous.**

Approval No. 46-0024G for the installation of Johnston Boiler 4 (Source ID B08) and the removal of Kewanee Boiler 4 (Source ID B01). In addition, the following items are addressed with this amendment:

- (1) The NO_x emission calculation previously derived from RACT OP No. 46-0024, Condition No. 4(B)(a) and applicable to all Johnston Boilers (Source ID B02, B06, B07, and B08) listed in SMOP, Section D Monitoring Requirement, is revised.
- (2) Recordkeeping requirement to maintain monthly records of the aggregate heat energy throughput (MMBtu/yr) has been added to the permit for all boilers (Source ID B02, B06, B07, and B08), including 12 month rolling sums.
- (3) Monitoring requirement to calculate the annual aggregate heat energy throughput from all boilers (Source ID B02, B06, B07, and B08) by using the total amount of fuel consumed and specifying the fuel heating value to use for natural gas and No. 4 fuel oil, has been added to the permit.
- (4) All operating permit conditions, including Section F – Emission Summary, now refer to the correct aggregated boilers, i.e. Source ID B02, B06, B07, and B08.
- (5) The throughput restriction for each boiler is clarified by including “heat energy throughput.” Additionally, the condition now states “when using natural gas and/or No. 4 fuel oil, as applicable.”

(6) The following permit contacts have been updated as well:

Lydia Luca, Plant Manager – new responsible official
 Donald Lyons, Senior EHS Manager – alternate responsible official
 Hans Van Hees, Vice President, Technical Operations – alternate responsible official
 Debbie Heuckeroth, Senior EHS&S Specialist – new permit contact.

** Please see update to contacts in 2019 Renewal (h) **

(7) Stacktesting condition for Johnston Boiler 3 (Source ID B07) is modified to require measurement of stack volume exhaust rate during testing in order to calculate a NO_x emission factor for the Johnston Boiler 3.

(8) The requirements of 25 Pa. Code § 123.22 applicable to sulfur content of fuel oil have been revised effective July 1, 2016; revisions are incorporated with this amendment as applicable to existing fuel oil Johnston Boilers 1, 2, and 3.

(9) The following general conditions have been added to the SMOP Source ID B08 New Johnston Boiler 4 as replacement conditions for specific 40 CFR Part 63 Supart JJJJJJ and 40 CFR Part 60 Subpart Dc requirements which are only applicable to fuel oil boilers: work practice requirement to maintain and operate the source in accordance with manufacturer specifications and good operating practices; recordkeeping of inspections and deficiencies noted, and keeping on hand manufacturer specifications and an O&M Plan for the new Johnston Boiler 4, which fires natural gas only.

(10) RFD No. 5929 is listed above in this Section as (b)(12) for the installation of a new Fluid Bed Granulator.

 MARCH 2019

(h) This permit is the renewal operating permit (APS 647032, AUTH ID 1231645): The following items are addressed with this renewal permit:

(1) The following contacts have been updated:

Lydia Luca, Plant Manager - Primary Responsible Official (no change)
 Erika Wambolt, Senior Director, Technical Operations - Alternate Responsible Official
 Craig Evans, Senior EHS&S Manager - Alternate Responsible Official
 Debbie Heuckeroth, EHS&S Manager - Primary Permit Contact (no change)
 Scott Kessler, Senior EHS&S Specialist - Alternate Permit Contact

** Please see update to contacts in 2020 Minor Modification (i) **



SECTION H. Miscellaneous.

(2) Source ID EG02 (Research B EGEN) was replaced with a new diesel emergency generator and is now listed in the permit as Source ID EG07 (150 kW Research B EGEN); refer to RFD No. 6551.

(3) Sources of minor significance with no additional monitoring or recordkeeping applicable have been added to Section G, (b)(13) through (17) above; included are RFD No. 4405 and RFD No. 4892.

(4) Tablet Coating (Source ID 109) and Glatt 15 Fluid Bed Processor (Source ID 139) have been added to Section G, (b)(18) above; refer to RFD No. 5533.

(5) Glatt 1-3 Fluid Bed Dryer (Source ID 113) has been removed from Site Inventory (Section A) and Source Level Requirements (Section D) and has been added to Section G, (b)(19) above; refer to RFD No. 7694.

(6) The testing requirement listed under Source ID B07 (Johnston Boiler 3) has been updated according to the most current version used in permits issued in SERO.

JANUARY 2020

(i) This permit is a minor modification (APS 647032, AUTH ID 1297056) to address the following changes:

(1) Change in Responsible Official from Lydia Luca, Plant Manager, to Ana Cocero-Cordero, Plant Leader. And update the alternate responsible official from Erika Wombolt to Mike Vlastic.

(2) Change the fuel type from No. 4 fuel oil to No. 2 fuel oil in Boiler 1, 2, and 3 (Source ID B02, B06, B07).

(3) Add the use of No. 2 fuel oil to Boiler 4 (Source ID B08).

(4) The facility is currently on a monthly monitoring frequency for odors, visible emissions and fugitive emissions.

February 2023

AUTH ID 1420590; APS 1077396: This is an Administrative Amendment to address the Change of Ownership from Johnson & Johnson Consumer Inc., New Jersey to Johnson & Johnson Consumer Inc., Delaware.

Permit Contact updated from Deborah Heuckeroth to Scott Kessler.



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