



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: July 11, 2025 Effective Date: October 14, 2025
Revision Date: October 14, 2025 Expiration Date: July 10, 2030
Revision Type: Amendment

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

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

State Only Permit No: 08-00012

Synthetic Minor

Federal Tax Id - Plant Code: 75-1449430-1

Owner Information

Name: CARGILL MEAT SOLUTIONS CORP
Mailing Address: PO BOX 188
WYALUSING, PA 18853-0188

Plant Information

Plant: CARGILL MEAT SOLUTIONS/MEAT PACKING PLT
Location: 08 Bradford County 08951 Wyalusing Township
SIC Code: 2011 Manufacturing - Meat Packing Plants

Responsible Official

Name: BRIAN EMICK
Title: GENERAL MGR
Phone: (570) 746 - 3000 Email: Brian_Emick@Cargill.com

Permit Contact Person

Name: BILLY HOLLAND
Title: EHS SUPV
Phone: (570) 746 - 3000 Ext.7286 Email: Billy_Holland@Cargill.com

[Signature] _____
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	1000 HP MAIN BOILER		
032	600 HP BACK-UP BOILER		
033	LARGE COMBUSTION UNITS		
034	SMALL COMBUSTION UNITS		
042	1000 HP JOHNSTON BOILER		
P101	BLOOD DRYING OPERATION		
P102	PROPYLENE GLYCOL STORAGE TANKS		
P103	DIESEL-FIRED ENGINES		
P108	PARTS CLEANING STATIONS		
P109	WASTEWATER TREATMENT PLANT		
P110	FLARE		
P201A	RENDERING OPERATION		
P202	CRAX PROCESSING OPERATION		
P203	CRAX COOLING SYSTEM		
P204	STORAGE TANKS		
P210	MEAL SILO #3		
P211	LIME SILO		
C101	PRIMARY CYCLONE SEPARATOR		
C102	SECONDARY MECHANICAL SEPARATOR		
C103	RECYCLE LOOP CYCLONE SEPARATOR		
C104	WASHER/PACKED TOWER SCRUBBER		
C201	HEAT EXCHANGER		
C202	AIR CONDENSER		
C203	SCP VENTURI SCRUBBER		
C204	SCP HIGH INTENSITY ODOR PACKED BED SCRUBBER		
C205	SCP ROOM AIR PACKED BED SCRUBBER		
C207	SCP PACKED DUAL-BED SCRUBBER		
C208	TWO SCP HIGH EFFICIENCY CYCLONES		
C209	DALAMATIC BIN VENT COLLECTOR		
C210	MEAL SILO #3 BAGHOUSE		
C211	LIMO SILO BIN VENT FILTER		
FM001	NATURAL GAS PIPELINE		
FM002	#2 FUEL OIL		
FM005	DIESEL FUEL		
FM006	BIOGAS		
S031	MAIN BOILER STACK		
S032	BACK-UP BOILER STACK		
S033	COMBUSTION UNIT EXHAUSTS		
S034	SMALL COMBUSTION UNIT EXHAUSTS		
S042	STACK		

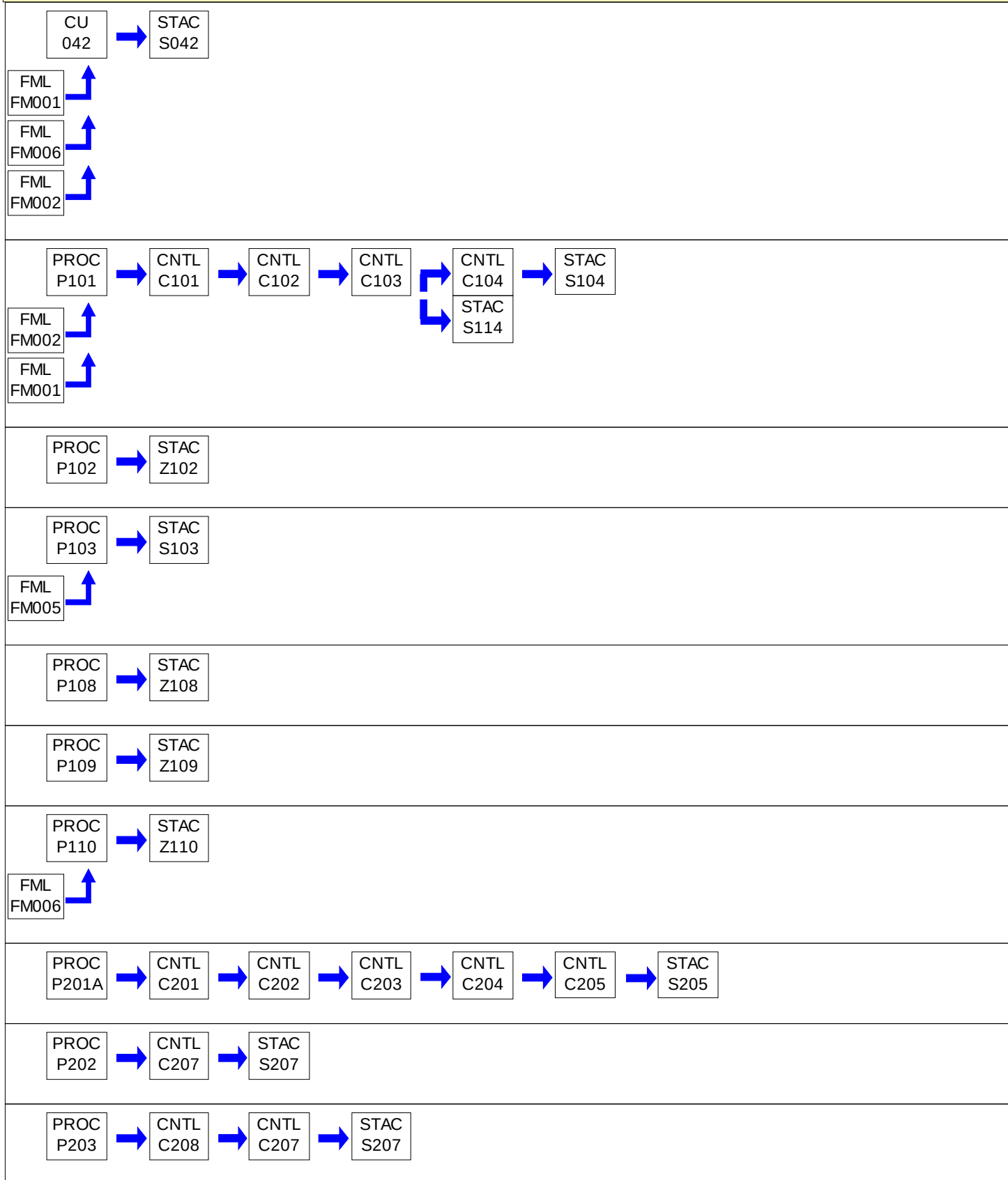
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S103	DIESEL-FIRED ENGINE STACKS		
S104	SCRUBBER EXHAUST		
S114	LOOP CYCLONE SEPARATOR EXHAUST		
S205	ROOM AIR SCRUBBER EXHAUST		
S207	DUAL-BED SCRUBBER EXHAUST		
S210	SILO #3 BAGHOUSE STACK		
S211	LIME SILO BIN VENT STACK		
Z102	PROPYLENE GLYCL EMISSIONS		
Z108	PARTS CLEANING STATIONS EMISSIONS		
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Z110	FLARE EMISSIONS		
Z204	STORAGE TANK EMISSIONS		

PERMIT MAPS



PERMIT MAPS



**PERMIT MAPS**

PROC
P204 → STAC
Z204

PROC
P210 → CNTL
C210 → STAC
S210

PROC
P211 → CNTL
C211 → STAC
S211

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

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

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

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

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

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

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

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.
- (2) For a facility that is not a synthetic minor, a fee equal to:

**SECTION B. General State Only Requirements**

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

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

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

- (a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.
- (b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.
- (c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

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

- (a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:
 - (1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
 - (2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
 - (3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
 - (4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.
- (b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.
- (c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

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

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

**SECTION B. General State Only Requirements**

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

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

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

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

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

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

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

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

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

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

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

**SECTION B. General State Only Requirements**

precluded by the Clean Air Act or its regulations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

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

- (a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).
- (b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

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

- (a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].
- (b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

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

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

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

- (a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.
- (b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.
- (c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:
- Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)
- (d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.
- (e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**SECTION B. General State Only Requirements****#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements****#024 [25 Pa. Code §135.3]****Reporting**

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

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

#025 [25 Pa. Code §135.4]**Report Format**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not permit the emission into the outdoor atmosphere of fugitive air contaminants 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.
- (7) Blasting in open pit mines. Emissions from drilling are not considered emission from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (a) The emissions are of minor significance with respect to causing air pollution,
 - (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001(1)-(8) above, if the emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.41]**Limitations**

The permittee shall not permit the emission of visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following:

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

004 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

006 [25 Pa. Code §139.11]**General requirements.**

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum, all of the following:

(1) A thorough source description, including a description of any air cleaning devices and the flue.

(2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.

(3) The location of sampling ports.

(4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO₂, O₂ and N₂), static and barometric pressures.

(5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.

(6) Laboratory procedures and results.

(7) Calculated results.

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

(a) The permittee shall conduct a weekly inspection of the facility while the facility is operating to detect the presence of malodorous air contaminant emissions in excess of the emission limit specified in 25 Pa. Code Section 123.31.

(b) All malodorous air contaminant emissions observed to be in excess of an emission limit shall be reported to the manager of the facility at once.

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

The permittee shall obtain from the fuel oil supplier a fuel certification report for each load of #2 fuel oil delivered to the facility which accurately identifies the sulfur content of the load.

**SECTION C. Site Level Requirements**

OR

The permittee shall take a representative composite sample of each load of #2 fuel oil delivered to the facility and have it analyzed for sulfur content.

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

(a) The permittee shall keep a logbook of the weekly inspections required pursuant to Condition #010 herein. The logbook shall include the name of the company representative performing each inspection, the date and time of each inspection, a description of any malodorous air contamination observed to be in excess of an emission limit, the name of the facility manager to whom notice of any observed excessive emission was given, a description of any corrective action taken to eliminate/reduce any observed excessive emission and the date and time any such corrective action taken.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain copies of all fuel certification reports and/or all analytical results reports identifying the sulfur content of the #2 fuel oil delivered to the facility.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

012 [25 Pa. Code §135.5]**Recordkeeping**

(a) The permittee shall maintain such records, including computerized records, as may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, equipment maintenance or other information determined by the Department to be necessary for the identification and quantification of air contaminant emissions.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit all requested reports in accordance with the Department's suggested format.

014 [25 Pa. Code §127.442]**Reporting requirements.**

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

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

(c) The report shall describe the following:

**SECTION C. Site Level Requirements**

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
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.

015 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March 1 of each year an AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

(b) A person who receives initial notification by the Department that an annual AIMS report is necessary, shall submit an initial annual AIMS report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) A source owner or operator may request an extension of time from the Department for the filing of an annual AIMS report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne as specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9). These actions shall include, but not be limited to, the following:

(1) 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,

(2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts,

(3) Paving and maintenance of roadways,

(4) 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****VII. ADDITIONAL REQUIREMENTS.****# 017 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

018 [25 Pa. Code §123.31]**Limitations**

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

019 [25 Pa. Code §129.14]**Open burning operations**

The permittee shall not permit the open burning of material at the facility unless in accordance with 25 Pa. Code Section 129.14.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

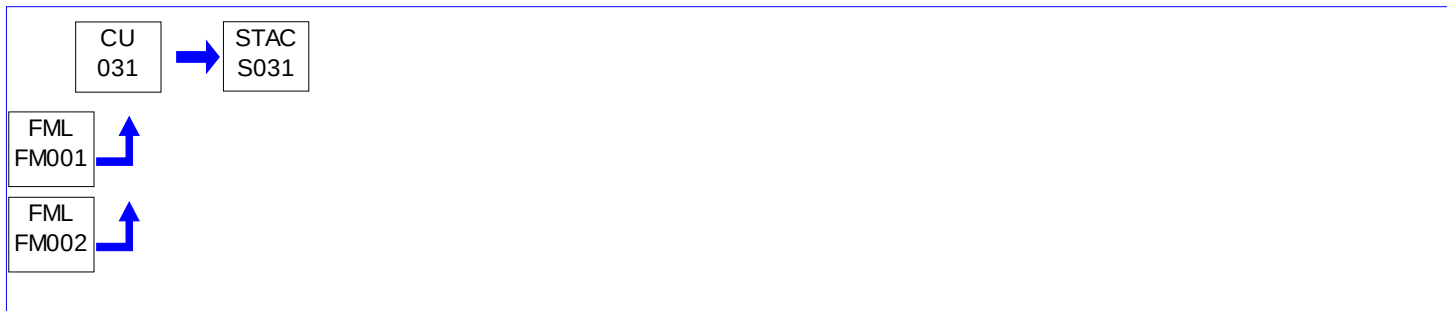
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: 1000 HP MAIN BOILER

Source Capacity/Throughput:

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

Source 031 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

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

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO₂), into the outdoor atmosphere from Source 031 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The carbon monoxide (CO) emissions from Source 031 shall not exceed 0.07 pounds per million Btu of heat input when firing natural gas, and 0.08 pounds per million Btu of heat input when firing #2 fuel oil.

(b) The nitrogen oxides (NO_x, expressed as NO₂) emissions from Source 031 shall not exceed 0.035 pounds per million Btu of heat input when firing natural gas and 0.11 pounds per million Btu of heat input when firing #2 fuel oil.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 123.22]

{Compliance with this requirement will assure compliance with the Best Available Technology requirement pursuant to 25 Pa. Code Sections 127.1 and 127.12 of the sulfur content limitation of #2 fuel oil not to exceed 0.05%, by weight}

Source 031 shall be fired only on natural gas, or #2 fuel oil. The #2 fuel oil shall not contain reclaimed/reprocessed oil, waste oil, or other waste materials. Additionally, the sulfur content of the #2 fuel oil shall not, at any time, exceed 15 parts per million (0.0015%, by weight).

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

[Additional authority for this permit condition is derived from the permittee electing this throughput limitation]

{Compliance with this throughput limitation will assure compliance with the Best Available Technology limitation of #2 fuel oil fired in Source 031 shall not exceed 90,740 gallons in any 12 consecutive month period}

The permittee may fire #2 fuel oil in Source 031 for periodic testing of liquid fuel, maintenance, or operator training for

**SECTION D. Source Level Requirements**

periods not to exceed a combined total of 48 hours during any calendar year. Source 031 may burn #2 fuel oil during periods of gas curtailment or gas supply interruptions of any duration.

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

(a) The permittee shall maintain comprehensive accurate records of the amount of #2 fuel oil fired in Source 031 each month.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit a report to the Department by no later than March 1 of each calendar year which lists the amount of #2 fuel oil fired in Source 031 each month during the prior calendar year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source 031 is a 40.4 million Btu per hour natural gas/#2 fuel oil-fired Johnston Boiler Company J21 Series model PFTA1000-4 boiler and shall be equipped with a Johnston low-NOx "A" burner.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Applicability and delegation of authority.**

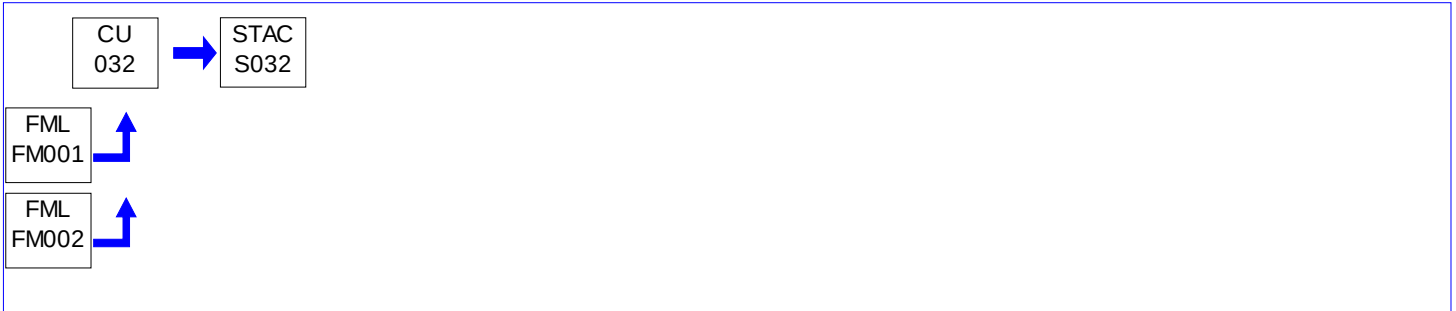
Source 031 is subject to Subpart Dc of the federal Standards of Performance for New Stationary Sources, 40 CFR 60.40c through 60.48c, and shall comply with all applicable requirements specified therein.

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: 600 HP BACK-UP BOILER

Source Capacity/Throughput:

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

Source 032 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

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

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO₂), into the outdoor atmosphere from Source 032 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The carbon monoxide (CO) emissions from Source 032 shall not exceed 0.074 pounds per million Btu of heat input when firing natural gas and 0.074 pounds per million Btu of heat input when firing #2 fuel oil.

(b) The nitrogen oxides (NO_x, expressed as NO₂) emissions from Source 032 shall not exceed 0.036 pounds per million Btu of heat input when firing natural gas and 0.11 pounds per million Btu of heat input when firing #2 fuel oil.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 123.22]

{Compliance with this requirement will assure compliance with the Best Available Technology requirement pursuant to 25 Pa. Code Sections 127.1 and 127.12 of the sulfur content limitation of #2 fuel oil not to exceed 0.05%, by weight}

Source 032 shall be fired only on natural gas, or #2 fuel oil. The #2 fuel oil shall not contain reclaimed/reprocessed oil, waste oil, or other waste materials. Additionally, the sulfur content of the #2 fuel oil shall not, at any time, exceed 15 parts per million (0.0015%, by weight).

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and the permittee taking this throughput limitation]

{Compliance with the #2 fuel oil throughput limitation will assure compliance with the Best Available Technology limitation of #2 fuel oil fired in Source 032 shall not exceed 378,432 gallons in any 12 consecutive month period}

**SECTION D. Source Level Requirements**

(a) The quantity of natural gas fired in Source 032 shall not exceed 53,641,860 cubic feet in any 12 consecutive month period.

(b) The permittee may fire #2 fuel oil in Source 032 for periodic testing of liquid fuel, maintenance, or operator training for periods not to exceed a combined total of 48 hours during any calendar year. Source 032 may burn #2 fuel oil during periods of gas curtailment or gas supply interruptions of any duration.

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

(a) The permittee shall maintain comprehensive accurate records of the amount of natural gas and #2 fuel oil fired in Source 032 each month.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit a report to the Department by no later than March 1 of each calendar year which lists the amount of LP gas, the amount of natural gas and the amount of #2 fuel oil used in Source 032 each month during the prior calendar year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 pa. Code Sections 127.1 and 127.12]

Source 032 is a 24.5 million Btu per hour, natural gas/#2 fuel oil-fired Johnston Boiler Company 509 Series model PFTX-600-4 boiler and shall be equipped with a Webster model HDVRX7200-RM7840L-M.30-MA low-NOx burner and flue gas recirculation.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Applicability and delegation of authority.**

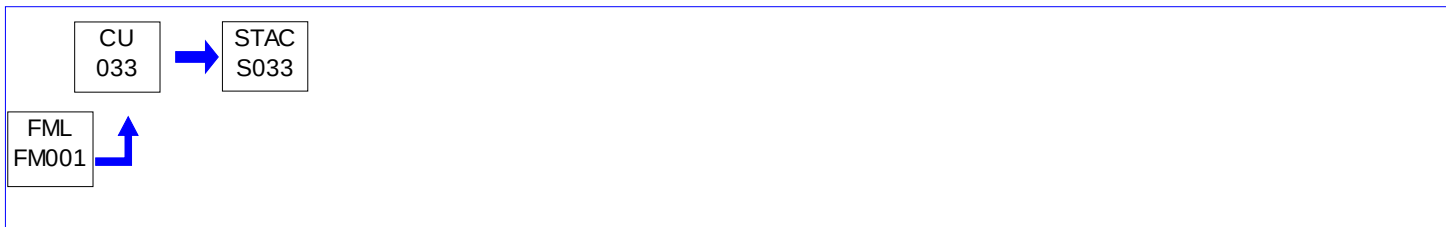
Source 032 is subject to Subpart Dc of the federal Standards of Performance for New Stationary Sources, 40 CFR 60.40c through 60.48c, and shall comply with all applicable requirements specified therein.

**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: LARGE COMBUSTION UNITS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.11]

Combustion units

The combustion units incorporated in Source 033 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion units

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO₂), into the outdoor atmosphere from the combustion units incorporated in Source 033 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combustion units incorporated in Source 033 shall be fired only on natural gas.

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.

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

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 033 consists of five (5) natural gas-fired boilers as follows:

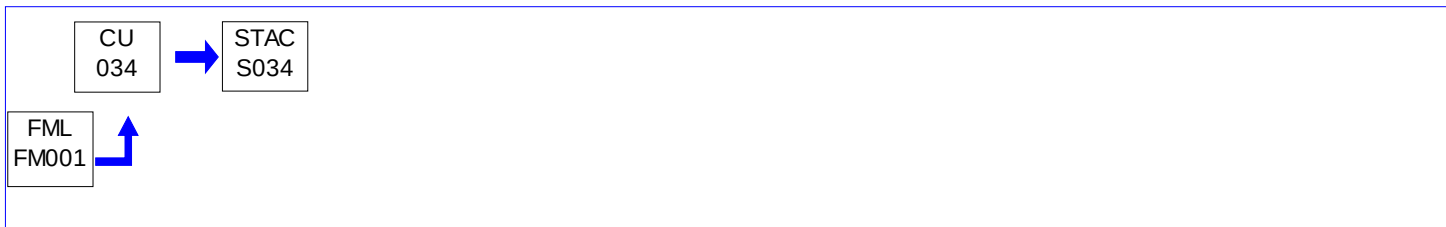
- (a) One (1) 3.025 million Btu per hour Rapid 4000 model AM#4066 boiler.
- (b) One (1) 3.500 million Btu per hour Maxon model 500 boiler.
- (c) One (1) 2.940 million Btu per hour Superior Highlander model 60-3 boiler.
- (d) One (1) 2.43 million Btu per hour Acuir model AA-35-95 boiler
- (e) One (1) 4.05 million Btu per hour Acuir model AA-55-95 boiler

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: SMALL COMBUSTION UNITS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.22]

Combustion units

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO₂), into the outdoor atmosphere from the combustion units incorporated in Source 034 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combustion units incorporated in Source 034 shall be fired only on natural gas.

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.

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

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 034 consists of the following natural gas-fired combustion units:

- (a) Two (2) 0.090 million Btu per hour Advanced D distributor Prod. model SEP90A1 heaters.
- (b) One (1) 0.075 million Btu per hour Sterling model QVF-175 heater.
- (c) One (1) 0.165 million Btu per hour Huebsh model 75CG clothes dryer.
- (d) One (1) 0.165 million Btu per hour Unimac model DTB75G clothes dryer.
- (e) Two (2) 0.400 million Btu per hour Sterling model QVF-400 heaters.
- (f) One (1) 0.040 million Btu per hour Roberts Gordon Inc. model CTHE-48 heater.
- (g) One (1) 0.125 million Btu per hour Sterling model QVEF 125 heater.
- (h) One (1) 0.175 million Btu per hour Sterling model QVEF 175 heater.
- (i) One (1) 0.200 million Btu per hour Sterling model QVEF 200 heater.
- (j) One (1) 0.060 million Btu per hour Sterling model QVEF 60 heater.
- (k) Six (6) 0.125 million Btu per hour Reznor model F125-SE heaters.
- (l) One (1) 0.250 million Btu per hour Reznor model EEDU250-6 heater.
- (m) One (1) 0.065 million Btu per hour Bard model WAG30C-A54C,X heater.
- (n) One (1) 0.050 million Btu per hour Lennox model GCS16H-261-50 heater.
- (o) One (1) 0.200 million Btu per hour Lennox model GCS16-953-200-3G heater.
- (p) One (1) 0.125 million Btu per hour Lennox model GCS16-653-125-1G heater.
- (q) One (1) 0.125 million Btu per hour Lennox model G14Q415-100 PULSE furnace.
- (r) One (1) 0.200 million Btu per hour Lennox model GCS16-953-200-3G heater.
- (s) One (1) 0.100 million Btu per hour Lennox model GCS16-431-100-3G heater.
- (t) One (1) 0.399 million Btu per hour A.O. Smith central HVAC boiler.
- (u) One (1) 0.100 million Btu per hour Reznor model EEU100-6 heater.
- (v) One (1) 0.200 million Btu per hour Reznor model EEU200-3 heater.
- (w) One (1) 1.200 million Btu per hour Industrial Combustion model FPG-12 heater.
- (x) One (1) 0.065 million Btu per hour Bard model WAG30C-A54C,X heater.
- (y) One (1) 0.300 million Btu per hour A.O. Smith model GB-300-100 heater.
- (z) One (1) 0.750 million Btu per hour A.O.Smith model 6BO-750-200 heater.

**SECTION D. Source Level Requirements**

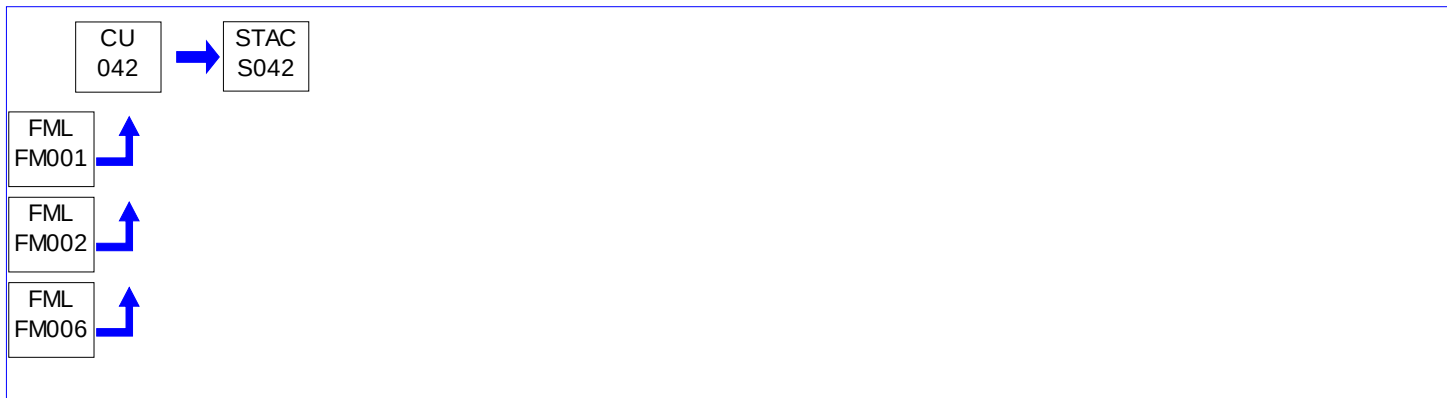
- (aa) Five (5) 0.05 million Btu per hour Reznor model FE 50 heaters.
- (ab) One (1) 0.100 million Btu per hour Reznor model FE 100 heater.
- (ac) Two (2) 0.025 million Btu per hour Annexair model ERP-E-09-HW-C-HG heaters.
- (ad) One (1) 0.30 million Btu per hour Unimac, model UT-120 clothes dryer,
- (ae) One (1) 0.30 million Btu per hour, Smith Cast Iron, model GB300 boiler,
- (af) One (1) 0.45 million Btu per hour, MAU
- (ag) One (1) 0.08 million Btu per hour, MAU
- (ah) Three (3) 0.498 million Btu per hour, Reznor model UDAAS60 heater
- (ai) One (1) 2.50 million Btu per hour, Annexaire model ERP-E-09-HW-C-HG heater
- (aj) One (1) 0.50 million Btu per hour WWTP heater
- (ak) One (1) 0.432 million Btu per hour Greenheck MAU
- (al) One (1) 0.64 million Btu per hour Greenheck MAU

**SECTION D. Source Level Requirements**

Source ID: 042

Source Name: 1000 HP JOHNSTON BOILER

Source Capacity/Throughput:

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The nitrogen oxides (NO_x, expressed as NO₂) emissions from Source 042 shall not exceed the following limitations while firing the respective fuels:

- (a) 0.043 pounds per million Btu of heat input and 30 parts per million, dry volume basis, @ 3% O₂, while firing natural gas,
- (b) 0.049 pounds per million Btu of heat input while firing biogas and
- (c) 0.132 pounds per million Btu of heat input and 90 parts per million, dry volume basis, @ 3% O₂, while firing #2 fuel oil.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The carbon monoxide emissions from Source 042 shall not exceed the following limitations while firing the respective fuels:

- (a) 0.290 pounds per million Btu of heat input while firing natural gas,
- (b) 0.092 pounds per million Btu of heat input while firing biogas and
- (c) 0.290 pounds per million Btu of heat input while firing #2 fuel oil

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The volatile organic compound emissions from Source 042 shall not exceed the following limitations while firing the respective fuels:

- (a) 0.0055 pounds per million Btu of heat input while firing natural gas,
- (b) 0.0054 pounds per million Btu of heat input while firing biogas and
- (c) 0.0019 pounds per million Btu of heat input while firing #2 fuel oil.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The particulate matter emissions, including particulate matter with an aerodynamic diameter of 10 microns or less, from

**SECTION D. Source Level Requirements**

Source 042 shall not exceed the following limitations while firing the respective fuels:

- (a) 0.01 pounds per million Btu of heat input while firing natural gas,
- (b) 0.01 pounds per million Btu of heat input while firing biogas and
- (c) 0.0144 pounds per million Btu of heat input while firing #2 fuel oil.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The sulfur oxides (SO_x expressed as SO₂) emissions from Source 042 shall not exceed 0.4510 pounds per million Btu of heat input while firing biogas.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source 042 shall not exceed the following limitations:

- (a) 24.99 tons of nitrogen oxides (NO_x, expressed as NO₂) in any 12 consecutive month period,
- (b) 52.56 tons of carbon monoxide in any 12 consecutive month period,
- (c) 1.20 tons of volatile organic compounds in any 12 consecutive month period,
- (d) 55.96 tons of sulfur oxides (SO_x, expressed as SO₂) in any 12 consecutive month period and
- (e) 4.10 tons of particulate matter (including particulate matter with an aerodynamic diameter of 10 microns or less) in any 12 consecutive month period.

Fuel Restriction(s).**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 123.22]

{Compliance with this requirement will assure compliance with the Best Available Technology requirement pursuant to 25 Pa. Code Sections 127.1 and 127.12 of the sulfur content limitation of #2 fuel oil not to exceed 0.05%, by weight}

The #2 fuel oil fired in Source 042 shall not contain reclaimed/reprocessed oil, waste oil, or other waste materials. Additionally, the sulfur content of the #2 fuel oil shall not, at any time, exceed 15 parts per million (0.0015%, by weight).

Operation Hours Restriction(s).**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source 042 shall not be fired on biogas more than 6,240 hours in any 12 consecutive month period.

Throughput Restriction(s).**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the permittee requesting this throughput limitation]

The permittee may fire #2 fuel oil in Source 042 for periodic testing of liquid fuel, maintenance, or operator training for periods not to exceed a combined total of 48 hours during any calendar year. Source 042 may burn #2 fuel oil during periods of gas curtailment or gas supply interruptions of any duration.

**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.

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

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The permittee shall maintain comprehensive accurate records of the following:

- (1) The number of hours Source 042 is operated each month while firing biogas.
- (2) The amount of natural gas, expressed in cubic feet, fired by Source 042 each month.
- (3) The amount of biogas, expressed in cubic feet, fired by Source 042 each month.
- (4) The amount of #2 fuel oil, expressed in gallons, fired by Source 042 each month.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit a report to the Department by no later than March 1 of each calendar year which includes the total amount of each individual fuel fired by Source 042 each month, as well as the number of hours Source 042 was fired on biogas each month. during the prior calendar year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) Source 042 is a 41.84 million Btu per hour, natural gas, #2 fuel oil and biogas-fired Johnston model PFTX-1000-200 boiler and shall be equipped with a model LCNO Limpsfield Industrial low NOx burner, as well as flue gas recirculation.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Applicability and delegation of authority.**

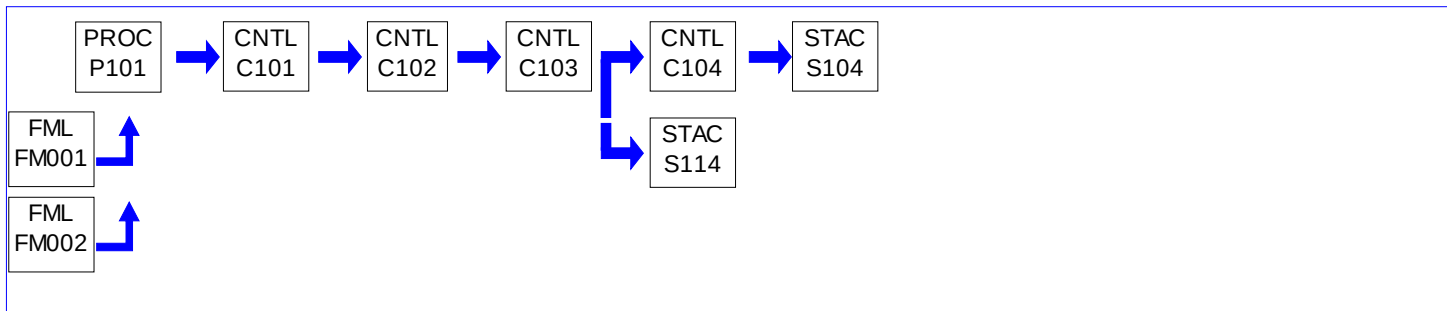
Source 042 is subject to Subpart Dc of the federal Standards of Performance for New Stationary Sources, 40 CFR 60.40c through 60.48c, and shall comply with all applicable requirements specified therein.

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: BLOOD DRYING OPERATION

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of Control Devices C103 and C104 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust from the rotary drum blood dryer incorporated in Source P101 shall not exceed 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and the permittee requesting this elective restriction]

The rotary drum blood dryer incorporated in Source P101 shall be fired only on natural gas or #2 fuel oil. The #2 fuel oil shall not contain any reclaimed/reprocessed oil, waste oil or other waste materials. Additionally, the sulfur content of the #2 fuel oil shall not, at any time, exceed 0.3%, by weight.

Throughput Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P101 shall only be used to process fresh blood which is no more than 24 hours old.

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).

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

(a) The permittee shall maintain comprehensive accurate records of the amount of #2 fuel oil fired in the rotary drum blood dryer incorporated in Source P101 each month.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit a report to the Department by no later than March 1 of each calendar year which includes the total amount of #2 fuel oil fired in the rotary drum blood dryer incorporated in Source P101 each month during the prior calendar year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

(a) Source 101 is a blood drying operation consisting of:

(1) One (1) 2,500 gallon, above-ground, raw blood receiving tank.

(2) One (1) 7,000 gallon, above-ground, raw blood storage tank.

(3) One (1) Duske steam injection coagulation system and associated surge tank.

(4) One (1) Sharples model P 3400 coagulated blood centrifuge.

(5) One (1) 3.08 million Btu per hour #2 fuel oil-fired Duske model TPD-1250, three pass rotary drum blood dryer.

(b) Control Device C101 is a Duske model ACJD 255 primary cyclone separator.

(c) Control Device C102 is a Heliclone model HCS-224 secondary mechanical centrifugal separator.

(d) Control Device C103 is a Duske model TPP-1250 recycle loop cyclone separator.

(e) Control Device C104 is a two stage SPC Control, Inc. model AW/PT-65 air washer/packed tower scrubber.

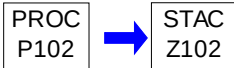
(f) The air contaminants from Source P101 shall be controlled by Control Devices C101 through C104. Control Device C104 shall be used at the permittee's discretion, as needed, to avoid the emissions of malodorous air contaminants from Source P101 in excess of the requirements of 25 Pa. Code Section 123.31.

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: PROPYLENE GLYCOL STORAGE TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

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

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

(a) The permittee shall maintain comprehensive accurate records of the material stored in each storage tank incorporated in Source P102.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

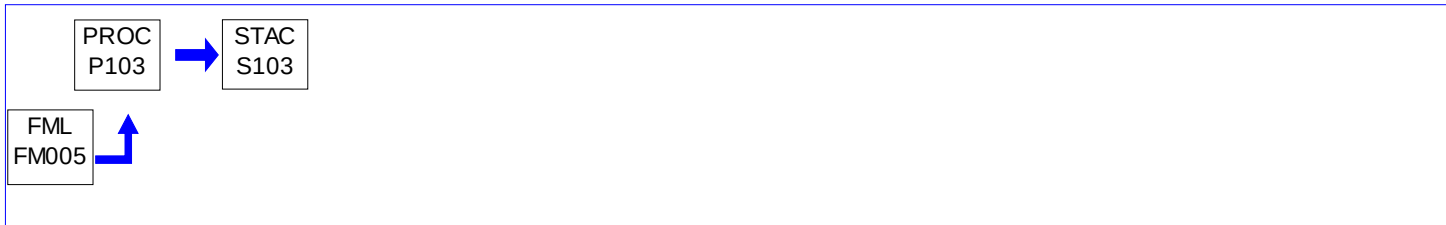
Source P102 consists of two (2) 4,000 gallon, aboveground propylene glycol storage tanks. The permittee shall store only propylene glycol in the storage tanks incorporated in Source P102.

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: DIESEL-FIRED ENGINES

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of each diesel-fired engine incorporated in Source P103 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

002 [25 Pa. Code §123.21]

General

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust from each engine incorporated in Source P103 shall not exceed 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each engine incorporated in Source P103 shall be fired only on diesel fuel. The diesel fuel shall not contain any reclaimed/reprocessed oil, waste oil or other waste materials.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each diesel-fired engine incorporated in Source P103 shall not be operated more than 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain comprehensive accurate records of the number of hours that each diesel-fired engine incorporated in Source 103 is operated each month.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit a report to the Department by no later than March 1 of each calendar year which lists the number of hours that each diesel-fired engine incorporated in Source P103 operated each month during the prior calendar year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source P103 consists of three (3) diesel-fired internal combustion engines:

- (a) One (1) 82 brake-horsepower, Cummins model 4BTA3.9 emergency generator.
- (b) One (1) 85 brake-horsepower, Kohler model 50ROZJ emergency generator,
- (c) One (1) 130 brake-horsepower, Aurora model 481BF emergency fire pump

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

All engines incorporated in Source P103 are subject to the requirements of 40 CFR Part 63 Subpart ZZZZ Sections 63.6580 through 63.6675. The permittee shall comply with all applicable requirements of 40 CFR Part 63 Subpart ZZZZ Sections 63.6580 through 63.6675.

009 [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?**

The permittee shall perform the following for each engine incorporated in Source P103:

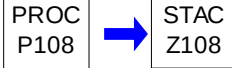
- (a) change the oil and inspect the filter every 500 hours of operation or annually, whichever comes first, and replace as necessary,
- (b) inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary,
- (c) inspect all belts and hoses every 500 hours of operation or annually, whichever comes first, and replace as necessary.

**SECTION D. Source Level Requirements**

Source ID: P108

Source Name: PARTS CLEANING STATIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

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

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

(a) The permittee shall maintain comprehensive accurate records of the identity of the cleaning solution utilized in each parts washer incorporated in Source P108, as well as a copy of an up-to-date Material Safety Data Sheet (MSDS) for each such cleaning solution.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source P108 consists of six (6) parts washers:

(a) One (1) remote-reservoir Safety Kleen model 23 aqueous parts washer, 10 gallon capacity

(b) One (1) remote-reservoir Safety Kleen model 90 aqueous parts washer, 25 gallon capacity

(c) Four (4) remote-reservoir Safety Kleen model 250 aqueous parts washers, 29 gallon capacity

**SECTION D. Source Level Requirements****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only use AquaWorks® MPC Cleaning Solution in all of the parts washers incorporated in Source P108 unless the Department of Environmental Protection has authorized the use of an alternate cleaning solution or solvent.

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

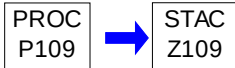
The volatile organic compound content of the solvent used in any parts washer incorporated in Source P108 shall be 5% or less, by weight.

**SECTION D. Source Level Requirements**

Source ID: P109

Source Name: WASTEWATER TREATMENT PLANT

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source P109 is a wastewater treatment plant consisting of:

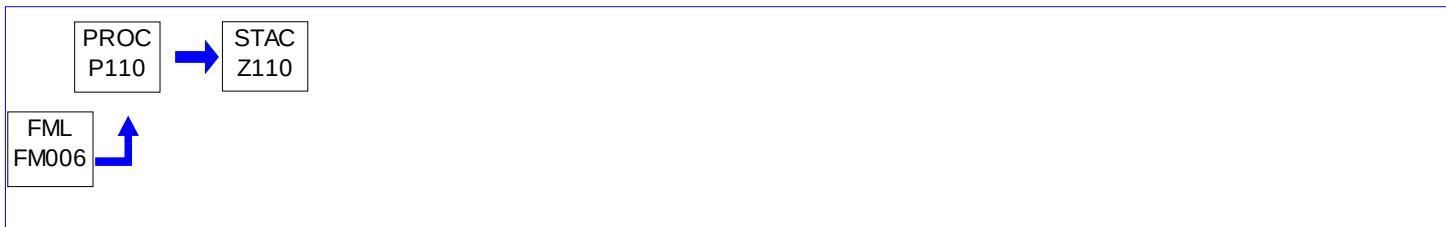
- (a) One 1,170,000 gallon aerobic lagoon.
- (b) One 1,170,000 gallon aerobic lagoon.
- (c) One 5,590,000 gallon anaerobic lagoon.
- (d) One 5,840,000 anaerobic lagoon.
- (e) One 138,000 gallon sludge lagoon.
- (f) One 686,000 gallon sludge lagoon.

**SECTION D. Source Level Requirements**

Source ID: P110

Source Name: FLARE

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

The concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the exhaust from Source P110 shall not exceed 500 parts per million, by volume, dry basis.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source P110 shall not exceed the following limitations:

- (a) 1.51 pounds of nitrogen oxides (NO_x, expressed as NO₂) per hour,
- (b) 8.19 pounds of carbon monoxide per hour,
- (c) 3.10 pounds of total hydrocarbons per hour and
- (d) 9.99 pounds of sulfur oxides (SO_x, expressed as SO₂) per hour.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source P110 shall not exceed the following limitations:

- (a) 0.38 tons of nitrogen oxides (NO_x, expressed as NO₂) in any 12 consecutive month period,
- (b) 2.05 tons of carbon monoxide in any 12 consecutive month period,
- (c) 0.78 tons of total hydrocarbons in any 12 consecutive month period and
- (d) 2.50 tons of sulfur oxides (SO_x, expressed as SO₂) in any 12 consecutive month period.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The opacity of the exhaust plume from Source P110 shall not exceed 0% at any time (other than steam or water vapor).

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P110 shall not be operated more than 500 hours in any 12 consecutive month period.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The biogas flowrate to Source P110 shall not exceed 500 cubic feet per minute at any time.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P110 shall be equipped with instrumentation to continuously monitor, as well as record, the biogas flow rate to Source P110.

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

(a) The permittee shall maintain comprehensive accurate records of the number of hours Source P110 is operated each month, as well as of the biogas flow rate to Source P110 (on a continuous basis).

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit a report to the Department by no later than March 1 of each calendar year which lists the number of hours that Source P110 operated each month during the prior calendar year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source P110 is a model FKVP-H25-R8S-EPT8 Flare King biogas flare.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

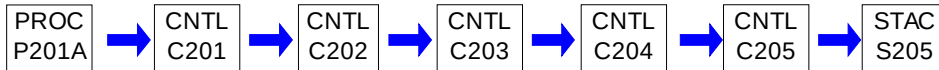
Source P110 shall be equipped with a flame monitor, flame arrestors and an automatic interlock system which shuts down the biogas flow if no flame is present.

**SECTION D. Source Level Requirements**

Source ID: P201A

Source Name: RENDERING OPERATION

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of Control Device C205 associated with Source P201A shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) Control Devices C203, C204 and C205 shall each be equipped with a scrubbing solution flow meter and a manometer (or equivalent pressure differential monitoring device).

(b) Control Devices C204 and C205 shall be equipped with an automatic chemical monitoring and conditioning system.

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) Source P201A is a rendering operation consisting of:

(1) One (1) Dupps Company model 260U rendering cooker.

**SECTION D. Source Level Requirements**

(2) Receiving bins, pre-crusher and surge bin.

(3) Control wheel, drainer and centrifuge.

(4) Three (3) pressors, curing bins, hammermills and tallow tank.

(5) Two (2) 500,000 pound above-ground, bone-meal storage silos (silos #1 and 2).

(b) The air contaminant emissions from Source ID P201A shall be controlled by a heat exchanger (Control Device C201), an air condenser (Control Device C202), a SCP venturi scrubber (Control Device C203), a SCP high intensity odor packed bed scrubber also known as the "small" packed bed scrubber (Control Device C204) and a SCP room air packed bed scrubber also known as the "large" packed bed scrubber (Control Device C205) operating in series. The fugitive air contaminant emissions from the rendering plant building shall be controlled by Control Device C205.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Under no circumstances shall Source P201A be vented to atmosphere other than through the control system identified in Condition #003 herein.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Devices C204 and C205 shall utilize either a chlorine dioxide scrubbing solution, a sodium hypochlorite/sodium hydroxide scrubbing solution or a sodium hypochlorite/sodium bromide scrubbing solution.

**SECTION D. Source Level Requirements**

Source ID: P202

Source Name: CRAX PROCESSING OPERATION

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

{Compliance with this permit condition assures compliance with the provisions of 25 Pa. Code Section 123.13}

The concentration of particulate matter in the exhaust of Control Device C207 associated with Source P202 shall not exceed 0.02 grains per dry standard cubic foot of effluent gas volume.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device C207 shall be equipped with instrumentation to monitor the pressure differential across Control Device C207, the scrubbing solution flow rate through Control Device C207 and when using a chlorine dioxide scrubbing solution, the amount of chlorine dioxide added to Control Device C207 on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

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

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The pressure differential across Control Device C207 shall be maintained between 0.5 through 2 inches w.g. (water gauge). If the differential pressure is greater than 2.0" water gauge, the permittee shall inspect, clean and maintain Control Device C207.

(b) Control Device C207 shall utilize either a chlorine dioxide scrubbing solution, a sodium hypochlorite/sodium hydroxide

**SECTION D. Source Level Requirements**

scrubbing solution or a sodium hypochlorite/sodium bromide scrubbing solution as the scrubbing medium. When using a chlorine dioxide scrubbing solution, the chlorine dioxide solution in the sump of Control Device C207 shall contain a minimum chlorine dioxide residual of not less than 0.3 parts per million.

(c) The flow rate of the scrubbing solution used in Control Device C207 shall not be less than 200 gallons per minute.

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source P202 is a crax processing operation which consists of the following:

(1) Two (2) Sprout Madador Series V model 22185 hammermills.

(2) Two (2) Kason Vibroscreens model 60 screens.

(3) Two (2) Kason Centri-Sifters and a pulverizer.

(4) Processing rooms.

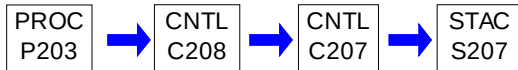
(b) The air contaminant emissions from Source P202 shall be controlled by a SCP Control, Inc. #PT-20 packed dual-bed scrubber (Control Device C207). Control Device C207 shall be operated such that the malodorous emissions from the crax processing rooms incorporated in Sources P202 and P203 shall be minimized.

**SECTION D. Source Level Requirements**

Source ID: P203

Source Name: CRAX COOLING SYSTEM

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

{Compliance with this permit condition assures compliance with the provisions in 25 Pa. Code Section 123.13}

The concentration of particulate matter in the exhaust of Control Device C207 associated with Source P203 shall not exceed 0.02 grains per dry standard cubic foot of effluent gas volume.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) Control Devices C207 and C208 shall each be equipped with instrumentation to monitor the pressure differential across the respective control device on a continuous basis.

(b) Control Device C207 shall be equipped with a scrubbing solution flow meter and a chlorine dioxide meter.

IV. RECORDKEEPING REQUIREMENTS.

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

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The pressure differential across Control Device C207 shall be not less than 2 inches w.g. (water gauge).

(b) Control Device C207 shall utilize either a chlorine dioxide scrubbing solution, a sodium hypochlorite/sodium hydroxide scrubbing solution or a sodium hypochlorite/sodium bromide scrubbing solution as the scrubbing medium. When using a

**SECTION D. Source Level Requirements**

chlorine dioxide scrubbing solution, the chlorine dioxide solution in the sump of Control Device C207 shall contain a minimum chlorine dioxide residual of not less than 0.3 parts per million.

(c) The flow rate of the scrubbing solution used in Control Device C207 shall be not less than 200 gallons per minute.

(d) The pressure differential across Control Device C208 shall be not less than 2 inches w.g. (water gauge).

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) Source P203 consists of a Geelen Technology air-cooled crax cooler system and associated processing rooms.

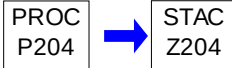
(b) The air contaminant emissions from Source P203 shall be controlled by two (2) SCP Control, Inc. #HE-14000 high efficiency parallel configuration cyclones (Control Device C208) and a SCP Control, Inc. #PT-20 packed dual-bed scrubber (Control Device C207) operating in series. Control Device C207 shall be operated in a manner such that the malodorous emissions from the crax processing rooms incorporated in Sources P202 and P203 shall be minimized.

**SECTION D. Source Level Requirements**

Source ID: P204

Source Name: STORAGE TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

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

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

(a) The permittee shall maintain comprehensive accurate records of the material stored in each storage tank incorporated in Source P204.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source P204 consists of:

(a) One (1) 20,000 gallon aboveground, tallow storage tank. The permittee shall store only tallow in this storage tank.

(b) Two (2) 160,000 pound aboveground, tallow storage tanks (Tanks #1 and 2). The permittee shall store only tallow in these storage tanks.

(c) Four (4) 193,000 pound aboveground, tallow storage tanks (Tanks #3, 4, 5, and 6). The permittee shall store only tallow in these storage tanks.

**SECTION D. Source Level Requirements**

Source ID: P210

Source Name: MEAL SILO #3

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of Control Device C210 associated with Source P210 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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.

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

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Device C210 to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the source or control device.

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) Source ID P210 is Meal Silo #3.

(b) The air contaminant emissions from Source ID P210 shall be controlled by a DCE, Inc. Dalamatic DLMV Type W Model 9/15 fabric collector (Control Device C210).

**SECTION D. Source Level Requirements**

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air compressor used to supply compressed air to Control Device C210 shall be equipped with an air dryer and an oil trap.

**SECTION D. Source Level Requirements**

Source ID: P211

Source Name: LIME SILO

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The concentration of particulate matter in the exhaust of Control Device C211 associated with Source P211 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Control Device C211 shall be equipped with instrumentation to monitor the pressure drop across the fabric collector on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

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

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep a full set of spare filter bags for Control Device C211 in order to be able to immediately replace any bags requiring replacement.

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P211 is a lime silo.

Control Device C211 is a bin vent filter.



SECTION E. Source Group Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The initial operating permit was issued on February 4, 2003.

Revision No. 1 was an administrative amendment on June 30, 2005, for a Change of Ownership from Taylor Packing Company, Inc. to Cargill Meat Solutions Corporation.

Revision No. 2 was an administrative amendment on September 28, 2007, to incorporate the terms and conditions of Plan Approval 18-00021A.

The operating permit was renewed on November 12, 2008.

The operating permit was renewed on May 7, 2014.

The following air contaminant sources are considered to be insignificant emission sources and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulations and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (1) One (1) 20,000 gallon, underground, diesel fuel storage tank.
- (2) One (1) 2,000 gallon, underground, gasoline storage tank.
- (3) One (1) 500 gallon, aboveground, #2 fuel oil storage tank.
- (4) One (1) natural gas-fired 0.256 million Btu per hour Vulcan 6 burner range.
- (5) One (1) natural gas-fired 0.09 million Btu per hour Rankin char broiler.
- (6) One (1) natural gas-fired 0.0435 million Btu per hour Vulcan deep fryer.



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