



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: June 15, 2022 Effective Date: July 31, 2025
Revision Date: July 31, 2025 Expiration Date: June 14, 2027
Revision Type: Modification

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 applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 46-00001

Federal Tax Id - Plant Code: 23-1284945-2

Owner Information

Name: JBS SOUDERTON INC
Mailing Address: PO BOX 64395
SOUDERTON, PA 18964-0395

Plant Information

Plant: JBS SOUDERTON INC/FRANCONIA TWP
Location: 46 Montgomery County 46927 Franconia Township
SIC Code: 2077 Manufacturing - Animal And Marine Fats And Oils

Responsible Official

Name: CHRISTOPHER BIVANS
Title: HEAD OF MOPAC
Phone: (215) 703 - 6189 Email: christopher.bivans@jbssa.com

Permit Contact Person

Name: MARTINE THEOGENE
Title: E&S MANAGER
Phone: (215) 703 - 6280 Email: ClaudeMartine.Theogene@jbssa.com

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



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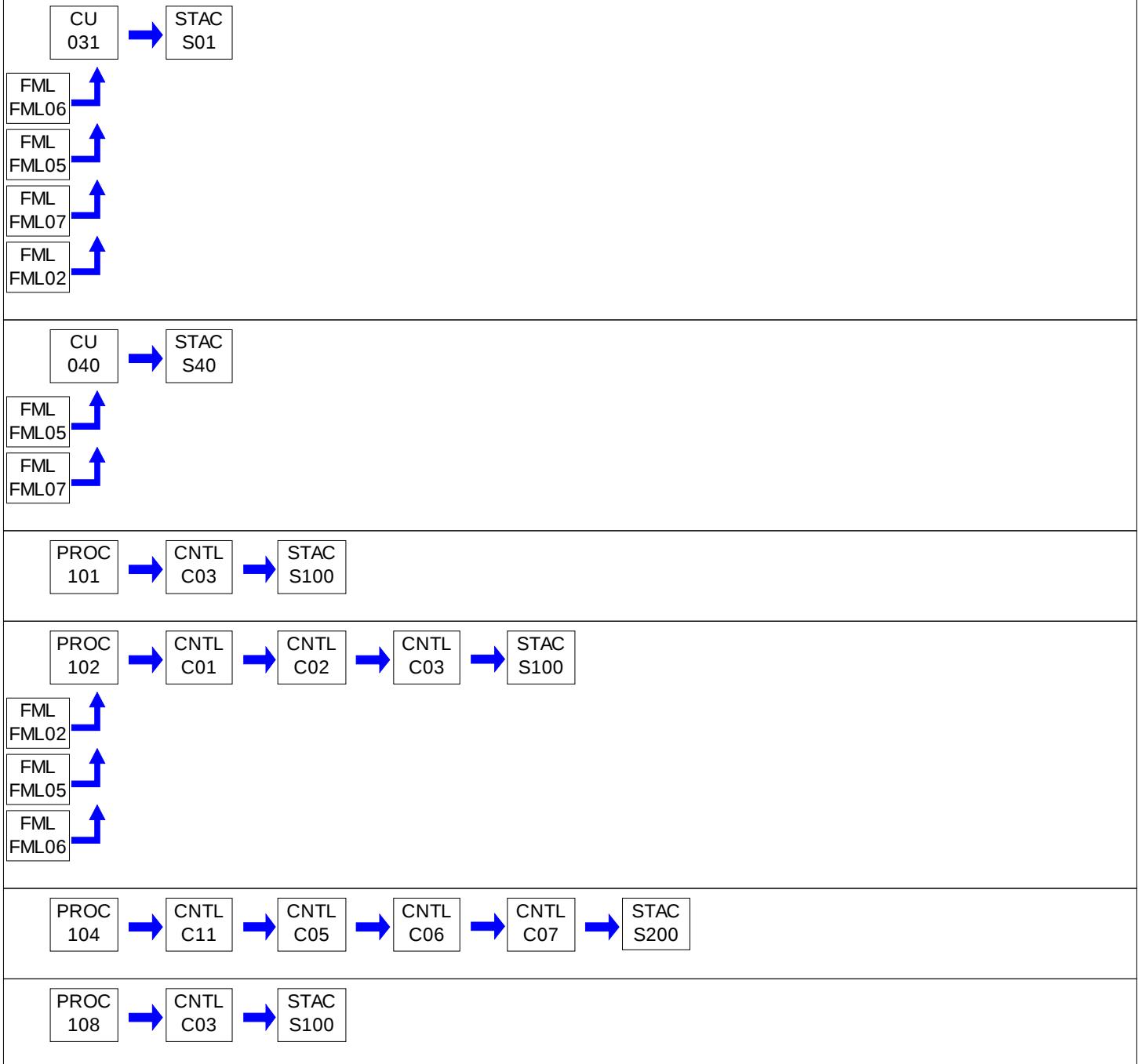
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	YORK SHIPLEY BOILER	25.400 MMBTU/HR	
		N/A	BIOGAS
		169.000 Gal/HR	ANIMALFAT/VEGOIL
		184.000 Gal/HR	#2 Oil
		24,571.000 CF/HR	Natural Gas
040	48.28 MMBTU/HR JOHNSTON BOILER 1	47,333.000 CF/HR	Natural Gas
		65,243.000 CF/HR	BIOGAS
101	BLOOD CENTRIFUGE		
102	2400 RING DRYER	11.140 MCF/HR	Natural Gas
		83.570 Gal/HR	#2 FUEL OIL
		90.800 Gal/HR	ANIMALFAT/VEGOIL
104	GREASE EVAPORATOR		
108	PORTION OF CONTINUOUS ROOM		
113	EXEMPT EMERGENCY ENGINES	N/A	Diesel Fuel
201	CONTINUOUS 440		
202	440 PRESSES		
203	POULTRY GRINDING & SCREENING SYSTEM		
204	CONTINUOUS 260		
205	260 PRESSES		
206	BEEF GRINDING & SCREENING SYSTEM		
207	CONTINUOUS ROOM AIR		
302	ANAEROBIC LAGOON		
C01	BATCH VENTURI SCRUBBER	N/A	
C02	8' BATCH PACKED TOWER 1	N/A	
C03	12' BATCH PACKED TOWER 2	N/A	
C05	CONTINUOUS VENTURI SCRUBBER	N/A	
C06	8' CONTINUOUS PACKED TOWER 1	N/A	
C07	12' CONTINUOUS PACKED TOWER 2	N/A	
C08	440 CONDENSERS	N/A	
C10	260 CONDENSER	N/A	
C11	BOILER VENTURI SCRUBBER/CYCLONE	N/A	
C13	ENCLOSED EMERGENCY FLARE		
C50	SHELL AND TUBE HEAT EXCHANGER		
FML02	NO. 2 FUEL OIL		
FML05	NATURAL GAS LINE		
FML06	ANIMAL FAT/VEG OIL		
FML07	BIOGAS		
S01	YORK-SHIPLEY BOILER		
S100	BATCH PACKED 2 STACK		
S12	ENCLOSED FLARE STACK		
S200	CONTINUOUS PACKED 2 STACK		

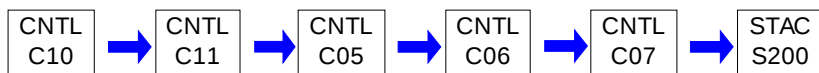
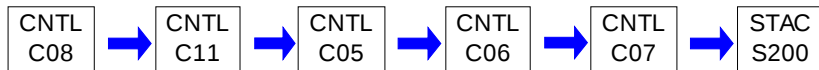
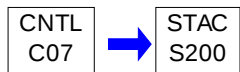
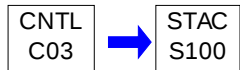
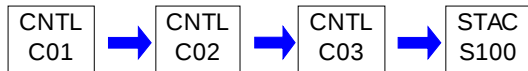
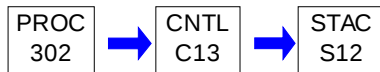
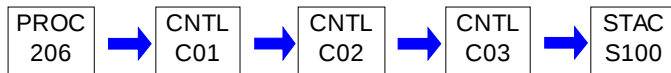
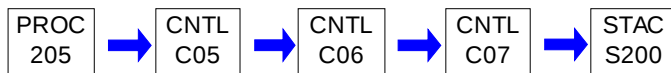
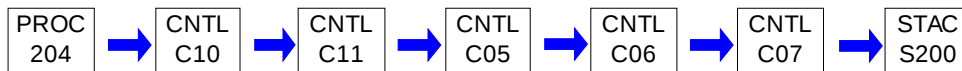
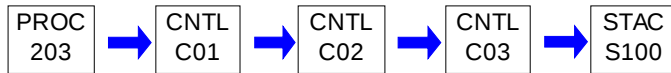
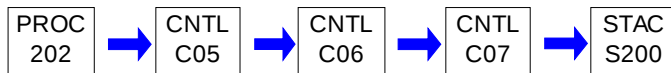
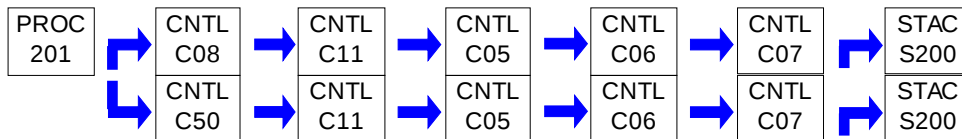
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S40	JOHNSTON BOILER 1 STACK		

PERMIT MAPS



PERMIT MAPS



**SECTION B. General Title V 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 25 Pa. Code § 121.1.

#002 [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).

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

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

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

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. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V 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. 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.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.

(c) 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. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) 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 during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) 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,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V 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 or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, 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, 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.

(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.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

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

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

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are 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 Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

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

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

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

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). 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.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

**SECTION B. General Title V Requirements**

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. 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.

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

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit 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 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 or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

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

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

**SECTION B. General Title V Requirements**

(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, liquefied petroleum gas 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.

(d) 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 (b)(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 the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(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 allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical 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.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(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).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) 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 this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) 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 on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

- (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.

**SECTION B. General Title V Requirements**

(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 the 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

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

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

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

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

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

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

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

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

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

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

**SECTION B. General Title V Requirements**

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

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

#031 [25 Pa. Code §135.3]**Reporting**

(a) 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 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.

#032 [25 Pa. Code §135.4]**Report Format**

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**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) - (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) 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:

- (i) The emissions are of minor significance with respect to causing air pollution; and
- (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

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

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

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

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

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

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

005 [25 Pa. Code §123.42]**Exceptions**

The opacity limitations shall not apply to a visible emission in any of the following instances:

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.111 and 25 Pa. Code § 129.115(d)(2).]

The permittee shall limit facility-wide NO_x emissions to less than 50 tons per year, based on a 12-month rolling sum.

**SECTION C. Site Level Requirements****# 007 [25 Pa. Code §129.14]****Open burning operations**

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

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

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

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

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

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

(1) Test Date(s)

- (i) For protocols, provide the proposed date on which testing will commence or "TBD"
- (ii) For reports, provide the first and last day of testing

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

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

(4) Testing Requirements (all that apply, as applicable):

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

**SECTION C. Site Level Requirements**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512]

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

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

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

Visible emissions may be measured using either of the following:

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

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

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

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

(b) All detectable fugitive particulate emissions, and/or objectionable odors, that originated on-site and cross the property line as well as visible emissions that originate on site shall:

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

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

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

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

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records/calculations of the total NO_x emissions at the facility on a monthly basis, including a 12-month rolling sum.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511]

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

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

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

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

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

015 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall record greenhouse gas emissions (CO₂, CH₄, N₂O), including any relevant emissions data, from all stationary fuel combustion sources at the facility as part of compliance with the GHG Mandatory Reporting Rule.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.511(c)(1)–(2) and 127.513(5)(i)–(v).]

The permittee shall submit the following reports:

- (a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under 25 Pa. Code § 127.513. The annual certificate of compliance shall be submitted to DEP electronically and to EPA Region III in electronic form at the following email address: R3_APD_Permits@epa.gov. The subject line shall read: "TVOP No. 46-00001 JBS Souderton - Rendering Plant."
- (b) A semi-annual deviation report to DEP by October 1 of each year, for the period covering January 1 through June 30 of the same year. Note: The annual certification of compliance in (a) above fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

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

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

**SECTION C. Site Level Requirements**

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

(c) The report shall describe the following:

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

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

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

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

(a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.

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

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h)]

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III, or any other

**SECTION C. Site Level Requirements**

applicable rule promulgated under the Clean Air Act.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h)]

The permittee may not modify any air contaminant system identified in this permit prior to obtaining Department approval, except those modifications authorized by Condition #019(g), of Section B, of this permit.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512(h)]

The permittee shall ensure that the sources and air pollution control devices are operated and maintained in a manner consistent with good operating and maintenance practices.

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

(a) A meter shall be installed on the main supply line of the natural gas to the facility. An equivalent monitoring technique may be used, if approved by the Department.

(b) A meter shall be placed on the No. 2 fuel oil line so that total consumption of No. 2 fuel oil at the facility can be measured. Equivalent techniques to metering may be used if approved by the Department.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: YORK SHIPLEY BOILER

Source Capacity/Throughput:

25.400 MMBTU/HR

N/A

BIOGAS

169.000 Gal/HR

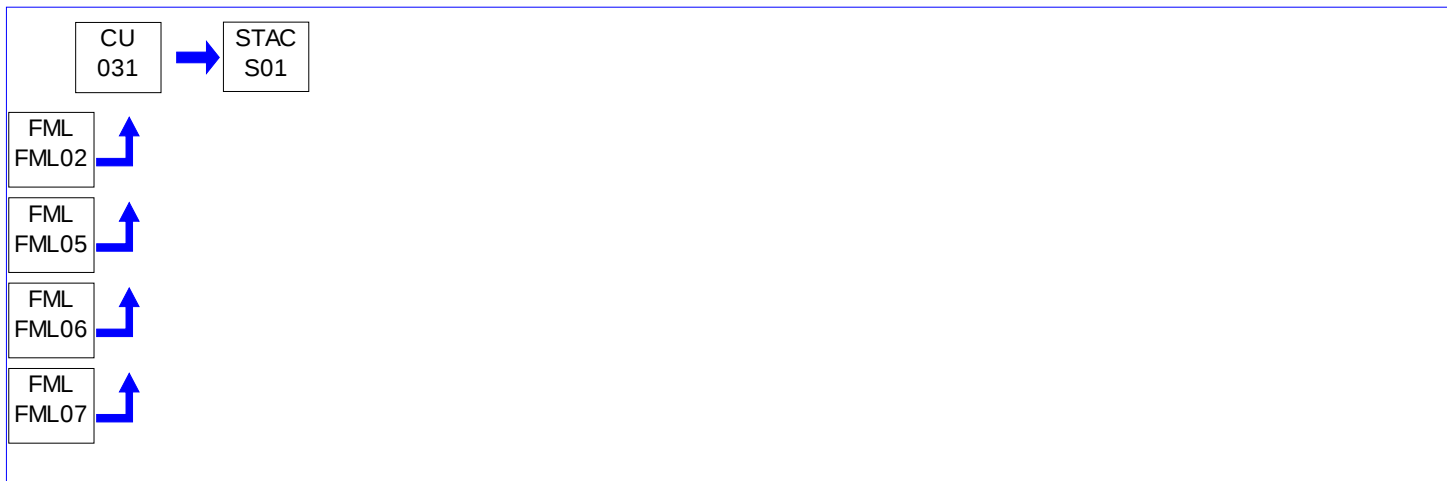
ANIMALFAT/VEGOIL

24,571.000 CF/HR

Natural Gas

184.000 Gal/HR

#2 Oil

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

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

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.91-95.]

The permittee shall limit VOC emissions from this source to less than 3 pounds per hour, 15 pounds per day, and 2.7 tons per twelve month rolling period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.91-95.]

The permittee shall limit NO_x emissions from this boiler to 0.37 lb NO_x/MMBtu. The NO_x emission rate is based on the heating value of each fuel and the NO_x emission factor for each fuel as determined during the most recent source test, as applicable.

[Compliance with this NO_x emission rate shall be determined during the once every five-year source test.]

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

The permittee shall limit NO_x emissions from this boiler to 12.61 tons per year, based on a 12-month rolling sum.

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 005 [25 Pa. Code §123.22]****Combustion units**

A person may not offer for sale, deliver or use, exchange in trade or permit the use of commercial fuel oil for use in combustion units in the outer zone of the Southeast Pennsylvania air basin which contains sulfur in excess of 15 ppm (0.0015%) by weight sulfur content, in accordance with 25 Pa. Code § 123.22(e)(2)(i), except as allowable in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

[Compliance with this condition assures compliance with the sulfur emission rate of 1.2 lb SO₂/MMBtu as found in 25 Pa. Code § 123.22(e)(1) for the outer zone, while firing No. 2 fuel oil.]

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

- (a) The boiler shall use No. 2 fuel oil, animal fat/vegetable oil, natural gas, or biogas generated from the anaerobic lagoon.
- (b) The No. 2 fuel oil shall have no reclaimed or waste oil or other waste added.
- (c) The animal fat/vegetable oil may be a blend of any of the following materials in various ratios: tallow, poultry fat, and/or fryer oil.

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

(a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later. 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. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(b) The stack test shall, at a minimum, test for NO_x emissions (in lb NO_x/MMBtu) for each fuel that has been consumed in the boiler for thirty (30) cumulative days or more during a 12-month rolling period. Tests shall be conducted in accordance with the provisions of applicable state or federal regulations or other DEP approved methodology and 25 Pa. Code Chapter 139.

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

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

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

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

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

The permittee shall conduct a fuel analysis for the biogas on a quarterly basis. The fuel analysis shall include but is not limited to the physical and chemical composition of the biogas, such as the heat content and the constituent information.

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

The permittee shall conduct a fuel analysis for the animal fat/vegetable oil on a quarterly basis if animal fat/vegetable oil has

**SECTION D. Source Level Requirements**

been consumed in the boiler for thirty (30) cumulative days or more during a 12-month rolling period. The fuel analysis shall include but is not limited to the physical and chemical composition of the animal fat/vegetable oil, such as the heat content and the constituent information.

010 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

(a) The following are applicable to tests for the analysis of commercial fuel oil:

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

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

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

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

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

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

The permittee shall calculate monthly NO_x emissions for this boiler, including 12-month rolling sums, based on fuel throughput, hours of operation, and the NO_x emission factor for each fuel combusted in the boiler.

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

(a) The permittee shall monitor the amount and type of fuel consumed by this boiler using the appropriate fuel meters for each fuel type.

(b) The permittee shall monitor the hours of operation for this boiler using a Department approved method.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §123.22]****Combustion units**

(a) The permittee shall maintain in electronic or paper format the record provided by the transferor for the shipment of commercial fuel oil as it changed hands to the permittee (ultimate consumer). This record must legibly and conspicuously contain the following information, in accordance with 25 Pa. Code § 123.22(g)(1) and (5):

(1) The date of the sale or transfer.

(2) The name and address of the transferor.

(3) The name and address of the transferee.

(4) The volume of commercial fuel oil being sold or transferred.

(5) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in 25 Pa. Code § 123.22(f)(1), expressed as the following statement: For a shipment of No. 2 and lighter commercial fuel oil:

(i) Prior to September 1, 2020 "The sulfur content of this shipment is 500 ppm or below."

(ii) On and after September 1, 2020 "The sulfur content of this shipment is 15 ppm or below."

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

**SECTION D. Source Level Requirements**

(b) The permittee shall maintain the applicable records in electronic or paper format for 5 years in accordance with 25 Pa. Code § 123.22(g)(4)(i).

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

[Additional authority of this permit condition is also derived from 25 Pa. Code § 129.93 and 25 Pa. Code § 129.100(g).]

(a) The owner and operator shall record all adjustments in a permanently bound logbook or other method approved by the Department. The log shall, at the minimum, contain the following information:

- (1) The date of the tuning procedure.
- (2) The name of the service company and technicians.
- (3) The final operating rate or load.
- (4) The final CO and NO_x emission rate.
- (5) The final excess oxygen rate.

(b) The owner and operator shall also maintain records including a certification from the fuel supplier of the nitrogen content of the fuel, identification of the sampling method and sampling protocol.

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

The permittee shall maintain records of the fuel analysis performed on the biogas and animal fat/vegetable oil fired in this boiler, as applicable.

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

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

- (a) inspections performed,
- (b) maintenance performed,
- (c) any deficiencies noted, and
- (d) any corrective actions taken.

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

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

(b) The permittee shall maintain monthly records of the hours of operation for this boiler.

(c) The permittee shall maintain monthly and 12-month rolling sums of NO_x emissions for this boiler.

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

The permittee shall maintain sufficient records containing the necessary data and calculations in order to determine compliance with the VOC, PM, and SO_x limitations for this source.

019 [25 Pa. Code §129.93]**Presumptive RACT emission limitations**

The permittee shall maintain records including a certification from the fuel supplier of the type of fuel and for each shipment of distillate oils number 1 or 2, a certification that the fuel complies with ASTM D396-78 "Standard Specifications for Fuel Oils." For residual oils, minimum recordkeeping includes a certification from the fuel supplier of the nitrogen content of the fuel, and identification of the sampling method and sampling protocol, as pursuant to 25 Pa. Code § 129.93(b)(4).

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11223]**Subpart JJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.11223(b)(6).]

The permittee shall maintain on-site and submit, if requested by the Administrator, a report containing the following information:

- (a) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.
- (b) A description of any corrective actions taken as a part of the tune-up of the boiler.
- (c) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

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

The permittee shall prepare a biennial or 5-year compliance report as specified in this condition.

- (a) Company name and address.
- (b) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. The notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:
 - (1) "This facility complies with the requirements in 40 CFR § 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."
 - (2) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
 - (3) "This facility complies with the requirement in 40 CFR §§ 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

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

The permittee shall maintain the records specified in this condition:

- (a) As required in 40 CFR § 63.10(b)(2)(xiv), the permittee shall keep a copy of each notification and report that is submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that are submitted.
- (b) The permittee shall keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR § 63.11214 and § 63.11223 as specified in this condition:

**SECTION D. Source Level Requirements**

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

(2) For operating units that combusts non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR § 241.3(b)(1), the permittee shall keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR § 241.3(d)(1). If the permittee combusts a fuel that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR § 241.3(b)(4), the permittee shall keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR § 241.2 and each of the legitimacy criteria in 40 CFR § 241.3(d)(1). If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR § 241.3(c), the permittee shall keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per 40 CFR § 241.4, the permittee shall keep records documenting that the material is a listed non-waste under 40 CFR § 241.4(a).

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

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

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

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.11225(d).]

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

V. REPORTING REQUIREMENTS.

024 [25 Pa. Code §123.22]

Combustion units

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

025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]

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

What are my notification, reporting, and recordkeeping requirements?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35 and 40 CFR § 63.11210.]

(a) The permittee shall submit to the Administrator an Initial Notification within 120 days after the fuel switch to liquid fuels becomes effective.

(b) The permittee shall submit to the Administrator the Notification of Compliance Status no later than 180 days after the fuel switch to liquid fuels becomes effective.

(c) The Notification of Compliance Status must include the following information and certification(s) of compliance and signed by a responsible official:

**SECTION D. Source Level Requirements**

(1) The permittee shall submit the information required in 40 CFR § 63.9(h)(2), except the information listed in 40 CFR § 63.9(h)(2)(i)(B), (D), (E), and (F). If the permittee conducts any opacity or visible emission observations, or other monitoring procedures or methods, the permittee shall submit that data to the Administrator at the appropriate address listed in 40 CFR § 63.13.

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

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

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

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

026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11225]**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What are my notification, reporting, and recordkeeping requirements?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35, 40 CFR § 63.11210(h), and 40 CFR § 63.11225(g).]

If the permittee has switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within subpart JJJJJJ, in the boiler becoming subject to subpart JJJJJJ, or in the boiler switching out of subpart JJJJJJ due to a change to 100 percent natural gas, or the permittee has taken a permit limit that resulted in being subject to subpart JJJJJJ, the permittee shall provide notice of the date upon which fuels are switched, made the physical change, or took a permit limit within 30 days of the change. The notification must identify:

(a) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice.

(b) The date upon which the fuel switch, physical change, or permit limit occurred.

VI. WORK PRACTICE REQUIREMENTS.**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority of this permit condition is also derived from 25 Pa. Code § 129.93]

The permittee shall perform an annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department or tune-up on the boiler as per 25 Pa. Code § 129.93(b)(2). The adjustment shall include, at a minimum, the following:

(a) The owner and operator shall inspect, adjust, clean or replace fuel burning equipment, including burners and moving parts necessary for proper operation as specified by the manufacturer.

(b) The owner and operator shall inspect the flame pattern or characteristics and carry out adjustments to minimize emissions of NO_x and to the extent possible minimize emissions of CO.

(c) The owner and operator shall inspect the air to fuel ratio control system and carry out adjustment necessary to ensure proper calibration and operation as specified by the manufacturer.

(d) The owner and operator shall tune the boiler for low excess oxygen operation. The owner and operator shall record data

**SECTION D. Source Level Requirements**

for subsequent comparison and adjustment.

028 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall maintain and operate the boiler in accordance with the manufacturer's specifications and/or the facility's work practice standards, as applicable, and good air pollution control practices.

(b) The permittee shall implement an Operation and Maintenance (O&M) Plan for the boiler, including annual tune-ups.

029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35, 40 CFR § 63.11201(b), 40 CFR § 63.11214(b), 40 CFR § 63.11223(b), and Item No. 4 of Table 2 of Subpart JJJJJJ.]

(a) The permittee shall conduct an initial tune-up on the boiler within 180 days of the effective date of the fuel switch to liquid fuels.

(b) The permittee shall conduct a tune-up on the boiler biennially to demonstrate continuous compliance as specified below.

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

(2) Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.

(3) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).

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

(5) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).

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

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

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

[The requirement to conduct a biennial tune-up in condition (b) above streamlines compliance with the presumptive RACT II requirements of 25 Pa. Code § 129.97(b)(1) for this source.]

030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11201]**Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources****What standards must I meet?**

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35, 40 CFR § 63.11201(b), and Item No. 16 of Table 2 of Subpart JJJJJJ.]

(a) The permittee shall complete a one-time energy assessment within 180 days of the effective date of the fuel switch to liquid fuels.

(b) The permittee shall have the one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements below satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following:

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

031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11205]

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

What are my general requirements for complying with this subpart?

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.35, 40 CFR § 63.11205(a).]

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 040

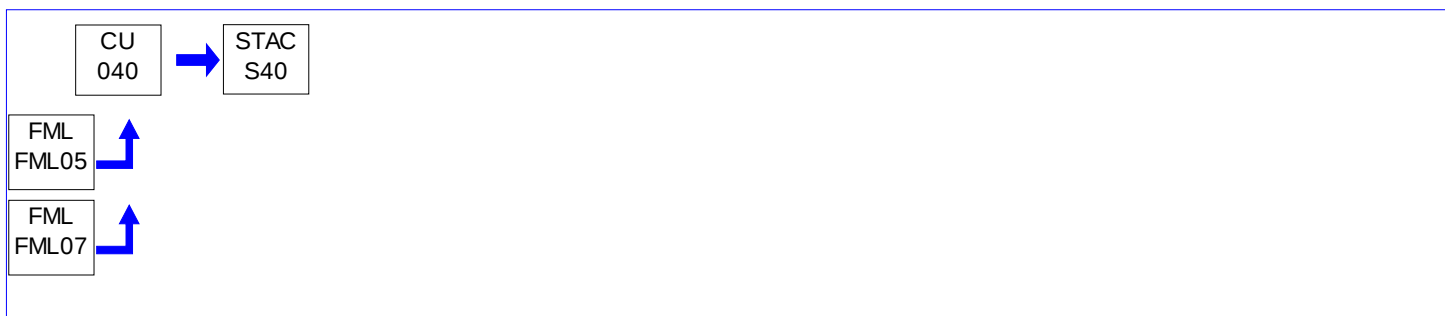
Source Name: 48.28 MMBTU/HR JOHNSTON BOILER 1

Source Capacity/Throughput: 47,333.000 CF/HR

Natural Gas

65,243.000 CF/HR

BIOGAS

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

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

[The method of compliance for this condition is the use of natural gas or biogas.]

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

A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any combustion unit in excess of 1.2 pounds per million Btu of heat input, for the outer zone, according to 25 Pa. Code § 123.22(e)(1) and (3).

[The method of compliance for this condition is the use of natural gas or biogas.]

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

The permittee shall limit the effluent gas nitrogen oxides (NO_x) and carbon monoxide (CO) emission concentrations equal to or less than:

(a) 30 ppm_{dv} NO_x at 3% O₂ and

(b) 300 ppm_{dv} CO at 3% O₂.

[Compliance with this condition is determined upon a review of the stacktest performed once every five (5) years.]

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

The permittee shall limit NO_x emissions from this source to 10.37 tons per year, based on a 12-month rolling sum.

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

The permittee shall fire this combustion unit with biogas generated from the anaerobic lagoon or natural gas only.

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

(a) The permittee shall demonstrate compliance with the NO_x and CO emission limitations in ppm_{dv} by performing a source test on this boiler once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later. 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. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(b) The stack test shall, at a minimum, test for NO_x and CO emissions from the boiler. Tests shall be conducted in accordance with the provisions of state and federal regulations as applicable or other Department approved methodology and 25 Pa. Code Chapter 139. The source test shall be conducted for each gaseous fuel that has been consumed in the boiler for thirty (3) cumulative days or more during a 12-month rolling period.

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

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

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

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

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

The permittee shall conduct a fuel analysis for the biogas on a quarterly basis. The fuel analysis shall include but is not limited to the physical and chemical composition of the biogas, such as the heat content and the constituent information.

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

The permittee shall monitor the amount of each gaseous fuel combusted in this boiler on a monthly basis using the appropriate fuel meters for natural gas and biogas.

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

The permittee shall calculate monthly NO_x emissions for this source, including 12-month rolling sums, based on fuel throughput, hours of operation, and the most recent emission factor (lb NO_x/MMCF = pounds of NO_x per hour * million cubic foot of gaseous fuel per hour) as determined by the most recent source test for each fuel as applicable (natural gas and biogas).

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

The permittee shall record monthly and 12-month rolling sums of the following for this boiler:

- (a) hours of operation and
- (b) NO_x emissions.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand:

- (a) a copy of an operation and maintenance (O&M) plan for the boiler, and
- (b) a copy of the boiler manufacturer's specifications.

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

The permittee shall keep records of the following for this boiler and flue gas recirculation equipment:

- (a) inspections performed,
- (b) maintenance performed,
- (c) any deficiencies noted, and
- (d) any corrective actions taken.

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

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

The permittee shall record and maintain records of the amount of each fuel combusted in this boiler during each calendar month, pursuant to 40 CFR § 60.48c(g)(2).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall maintain and operate the boiler and the flue gas recirculation system in accordance with the manufacturer's specifications and good air pollution control practices.
- (b) The permittee shall implement an Operation and Maintenance (O&M) Plan for the boiler and the flue gas recirculation system, including a tune-up annually.

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

The 48.28 MMBtu/hr Johnston Boiler is equipped with a Low-NOx Burner and Flue Gas Recirculation and the appropriate fuel meters necessary to monitor the amount of each gaseous fuel (natural gas and biogas) combusted.

***** Permit Shield in Effect. *****

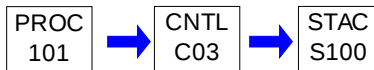
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: BLOOD CENTRIFUGE

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: 2400 RING DRYER

Source Capacity/Throughput:

11.140 MCF/HR

Natural Gas

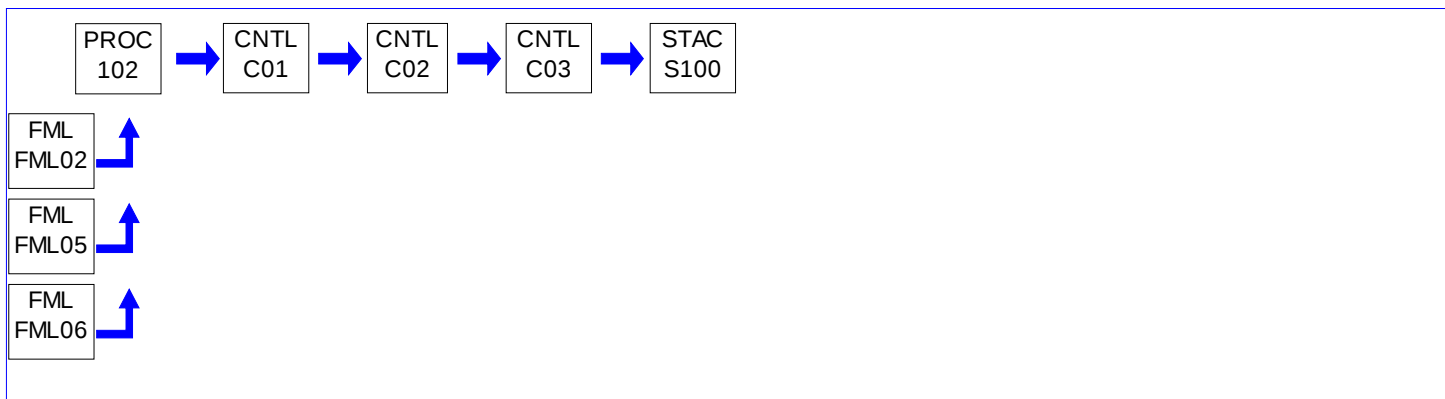
83.570 Gal/HR

#2 FUEL OIL

90.800 Gal/HR

ANIMALFAT/VEGOIL

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

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

001 [25 Pa. Code §123.21]

General

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

[Compliance with this condition is demonstrated through the use of No. 2 fuel oil with a sulfur content of 500 ppm (0.05%) by weight or less.]

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Ring Dryer shall be fired with No. 2 Fuel, Animal Fat/Vegetable Oil, or Natural Gas only.

(b) The animal fat/vegetable oil may be a blend of any of the following materials in various ratios: tallow, poultry fat, and/or fryer oil.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

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

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

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

**SECTION D. Source Level Requirements**

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

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the physical and chemical compositions of the animal fat/vegetable oil fired in this unit on a quarterly basis.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the amount and type of fuel fired in the Ring Dryer, on a monthly basis. Natural gas usage shall be monitored in cubic feet.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the amount and type of fuel fired in the Ring Dryer.

(a) Natural gas usage shall be recorded in cubic feet.

(b) Animal fat/vegetable oil shall be recorded in pounds.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the physical and chemical compositions of the animal fat/vegetable oil fired in this unit.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A meter shall be maintained and operated on the fuel line supplying No. 2 Oil to the 2400 ring Dryer. An equivalent monitoring technique may be used, if approved by the Department.

009 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The permittee shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices, pursuant to 25 Pa. Code § 129.97(c)(3).

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

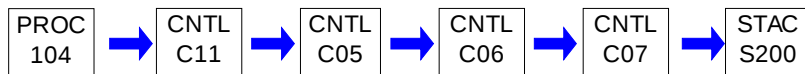
**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: GREASE EVAPORATOR

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

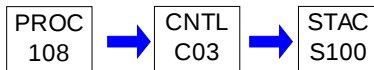
**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: PORTION OF CONTINUOUS ROOM

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: EXEMPT EMERGENCY ENGINES

Source Capacity/Throughput:

N/A

Diesel Fuel

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

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

[Compliance with this emission limit is demonstrated through the use of proper fuel as allowed herein.]

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

The permittee shall limit the aggregate NO_x emissions from all exempt engines on site and part of this Source ID to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year, based on a 12-month rolling basis.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.4202(a)(2) and 40 CFR § 1039.105(a)(2).]

The permittee shall ensure exhaust opacity from the 104-kW Tier 3 John Deere stationary diesel engine does not exceed:

- (a) 20% during the acceleration mode;
- (b) 15% during the lugging mode; and
- (c) 50% during the peaks in either the acceleration or lugging modes.

[Compliance with the opacity standards of 40 CFR Part 1039 is demonstrated through manufacturer specification sheets containing emission data and/or the engine certification for emissions (i.e. Tier 3) for this John Deere engine.]

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122, 40 CFR § 60.4202(a)(2), and 40 CFR § 60.4205(b).]

The permittee shall ensure that emission into the outdoor atmosphere from the 500-kW Tier 2 certified Cummins diesel generator set do not exceed the emission rates contained in Appendix I of 40 CFR Part 1039, as follows:

- (a) NMHC + NO_x: 6.4 g/kW-hr
- (b) CO: 3.5 g/kW-hr
- (c) PM: 0.20 g/kW-hr

[Compliance with the emission standards of 40 CFR Part 60 Subpart III and 40 CFR Part 1039 is demonstrated through manufacturer specification sheets containing emission data and/or the engine certification for emissions (i.e. Tier 2) for this engine.]

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122, 40 CFR § 60.4202(a)(2), and 40 CFR § 60.4205(b).]

The permittee shall ensure that emissions into the outdoor atmosphere from the 104-kW (140 hp) Tier 3 certified John Deere stationary diesel engine do not exceed the emission rates contained in Table 4 of 40 CFR Part 60 Subpart III, as

**SECTION D. Source Level Requirements**

follows:

- (a) NMHC + NO_x: 4.0 g/kW-hr
- (b) CO: 5.0 g/kW-hr
- (c) PM: 0.30 g/kW-hr

[Compliance with the emission standards of 40 CFR Part 60 Subpart IIII is demonstrated through manufacturer specification sheets containing emission data and/or the engine certification for emissions (i.e. Tier 3) for this engine.]

Fuel Restriction(s).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR §§ 60.4207(b) and 40 CFR § 1090.305.]

The permittee shall ensure that diesel fuel is the only fuel consumed by the engines contained in this Source ID. The diesel fuel shall comply with the following per-gallon standards:

- (a) Sulfur content: 15 ppm maximum.
- (b) Cetane index or aromatic content, as follows:
 - (1) A minimum cetane index of 40; or
 - (2) A maximum aromatic content of 35 volume percent.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code § 123.21(b) and Pa. Code § 123.22(e)(2) for the outer zone.]

Operation Hours Restriction(s).

007 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The permittee shall limit the hours of operation for each engine listed in Source ID 113 to less than 500 hours in a 12-month rolling period.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 CFR § 60.4211(f).]

The permittee shall operate each emergency stationary ICE according to the requirements in paragraphs (a) and (b) of this condition. In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart IIII, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a) and (b) of this condition, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (a) and (b) of this condition, the engine will not be considered an emergency engine under Subpart IIII and must meet all requirements for non-emergency engines.

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

**SECTION D. Source Level Requirements**

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

II. TESTING REQUIREMENTS.

009 [25 Pa. Code §139.16]

Sulfur in fuel oil.

(a) The following are applicable to tests for the analysis of commercial fuel oil:

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

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

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

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

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the hours of operation for each engine on a monthly basis, including 12-month rolling sums and the reason for operation.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the aggregate NOx emissions from all exempt engines on site including pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NOx emission limits applicable to this source.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following information, for each shipment of diesel fuel recieved, obtained either by laboratory analysis or from the fuel supplier's certification:

(a) The sulfur content.

(b) The cetane index.

(c) The aromatic content.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all maintenance (i.e., routine/preventative maintenance, repairs, parts replacement,

**SECTION D. Source Level Requirements**

tune-ups, etc.) performed on this engine or generator. These records shall contain, at a minimum, the following:

- (a) The date of the maintenance.
- (b) Any routine/preventative maintenance performed.
- (c) Any problems or defects.
- (d) Any corrective action(s) taken.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 60 Subpart III.]

- (a) The permittee shall certify the 755-hp (500-kW) Cummins Emergency Generator engine is compliant with Tier 2 NO_x, CO, HC, and PM emission standards specified in Table 1 of 40 CFR § 89.112(a) (for 450<kW<560, Tier 2, 2002 and later).
- (b) The permittee shall certify the 140-hp (104-kW) John Deere diesel engine is compliant with Tier 3/Stage IIIA NO_x, CO, HC, and PM emissions standards specified in Table 1 of 40 CFR § 89.112(a) (for 75<kW<130, Tier 3, 2007 and later).

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.4209(a).]

The permittee shall maintain and operate a non-resettable hour meter on each unit contained in this Source ID.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 CFR § 60.4211.]

- (a) The permittee shall install and configure each engine in accordance with the manufacturer specifications.
- (b) The permittee shall operated and maintain each engine in accordance with one of the following:
 - (1) The manufacturers' written instructions and/or specifications, or
 - (2) Permittee-developed procedures that are approved by the manufacturer. Only those settings that are permitted to be changed by the manufacturer may be changed.

[Compliance with this regulation assures compliance with the presumptive RACT II requirements of 25 Pa. Code § 129.97(c)(8).]

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 CFR § 60.4211(g).]

If the permittee does not install, configure, operate, and maintain the engine according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance as follows:

- (a) For the John Deere Stationary Diesel Engine (~140 hp) which is greater than or equal to 100 HP and less than or equal

**SECTION D. Source Level Requirements**

to 500 HP, the permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the emission-related settings are changed in a way that is not permitted by the manufacturer.

(b) For the Cummins Emergency Generator (~755 hp) engine which is greater than 500 HP, the permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the emission-related settings are changed in a way that is not permitted by the manufacturer. The permittee shall conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

VII. ADDITIONAL REQUIREMENTS.**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 113 contains the following engines:

(a) one (1) USEPA Tier 2 certified diesel generator set engine manufactured by Cummins rated at 500 kW (755 bhp) at 1800 rpm, and is exempt from plan approval requirements according to RFD No. 839. Serial No. 32066885, Model No. QSX15-G9 Nonroad 2, Engine No. 79380322, Family No. 9CEXL015.AAJ.

(b) one (1) USEPA Tier 3/Stage IIIA Stationary Diesel Engine manufactured by John Deere rated at 86-104 kW (115-140 bhp) at 2400 rpm and 86-93 kW at 2200 rpm, and is exempt from plan approval requirements according to RFD No. 839. Family No. 9JDXL06.8117, Engine Model No. 4045HF285C, D, E, F, G.

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

The engines contained in this Source ID are subject to the Standards of Performance for New Stationary Sources Subpart IIII and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>

***** Permit Shield in Effect. *****

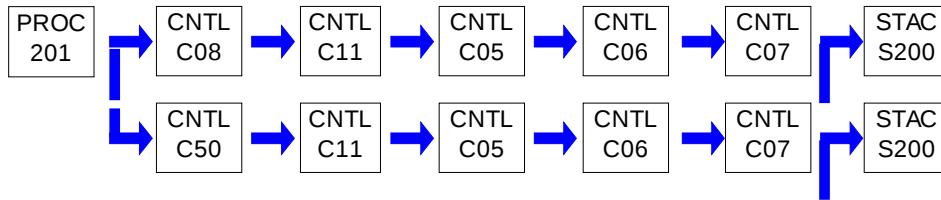
**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: CONTINUOUS 440

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

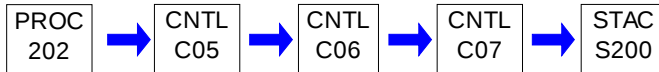
**SECTION D. Source Level Requirements**

Source ID: 202

Source Name: 440 PRESSES

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

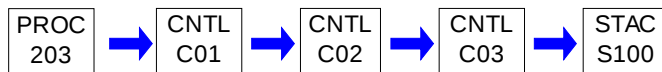
**SECTION D. Source Level Requirements**

Source ID: 203

Source Name: POULTRY GRINDING & SCREENING SYSTEM

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

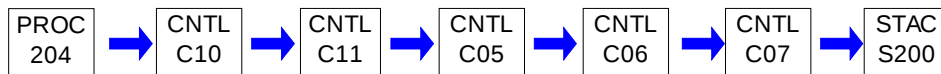
**SECTION D. Source Level Requirements**

Source ID: 204

Source Name: CONTINUOUS 260

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

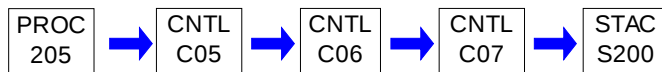
**SECTION D. Source Level Requirements**

Source ID: 205

Source Name: 260 PRESSES

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

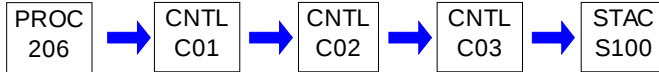
**SECTION D. Source Level Requirements**

Source ID: 206

Source Name: BEEF GRINDING & SCREENING SYSTEM

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

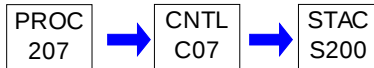
**SECTION D. Source Level Requirements**

Source ID: 207

Source Name: CONTINUOUS ROOM AIR

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

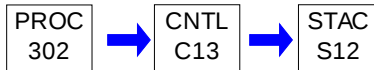
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 302

Source Name: ANAEROBIC LAGOON

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the flare with a continuously fired propane pilot while biogas is being flared.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall send biogas generated by the anaerobic lagoon to the enclosed emergency flare (C13) no more than 10% of the time.

(b) The permittee shall send biogas generated by the anaerobic lagoon to the York Shipley Boiler (Source ID 031) and the Johnston Boiler (Source ID 040) no less than 90% of the time.

Throughput Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall burn a maximum of 13.87 MMCF/year of biogas in the flare, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the biogas flow rate to the flare.

(b) The permittee shall monitor the operational time of the flare.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the following on a monthly and 12-month rolling sum basis:

(a) the biogas flow total to the flare,

(b) the hours of operation of the flare when burning biogas, including the date and time,

(c) the percentage of biogas collected that is flared.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record a detailed explanation for operating the flare with biogas, including the equipment that was off-

**SECTION D. Source Level Requirements**

line and the reason for its unavailability.

V. REPORTING REQUIREMENTS.

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

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

(a) The permittee shall use the enclosed emergency flare to burn biogas only when the York Shipley Boiler (Source ID 031) and the Johnston Boiler (Source ID 040) are off-line or out of service due to malfunction, maintenance and/or repair, or unable to burn biogas for any reason.

(b) The permittee may also use the enclosed emergency flare to supplement the York-Shipley Boiler (Source ID 031) and the Johnston Boiler (Source ID 040) in order to burn excess biogas produced when the anaerobic digester biogas generation rate is greater than the boiler biogas consumption rate.

008 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices, pursuant to 25 Pa. Code § 129.97(c)(6).

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

(a) This source contains a nine (9) million gallon covered anaerobic lagoon or digester at the existing wastewater treatment facility and is exempt from plan approval requirements according to RFD No. 711.

(b) When biogas generated from lagoon is not routed to the York Shipley Boiler (031) or the Johnston Boiler (Source ID 040), the biogas is routed to the Enclosed Emergency Flare (C13), which is exempt from plan approval requirements according to RFD No. 757.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

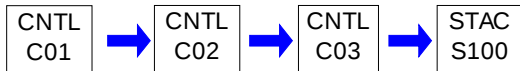
Source ID: C01

Source Name: BATCH VENTURI SCRUBBER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the following for this scrubber, on a weekly basis:

- (a) recycled flow rate
- (b) pressure drop.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following for this scrubber:

- (a) recycled flow rate
- (b) pressure drop.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the following work practice standards for this venturi scrubber:

- (a) the scrubber shall be able to handle 35,000 ACFM of gases,
- (b) an operating pressure drop of 4.5 to 10 inches of water guage shall be maintained on any occassion that the source is operating,
- (c) a recycled flow rate of at least 140 gallons per minute shall be maintained on any occassion that the source is operating.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: C02

Source Name: 8' BATCH PACKED TOWER 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3

This source occurs in alternate operation TEMPORARY MAINTENANCE AND CLEANING MODE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the following for this scrubber, on a weekly basis:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following for this scrubber:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the following work practice standards for this 8-foot packed tower:

- (a) the packed tower shall be able to handle 35,000 ACFM of gases,
- (b) a minimum operating pressure drop of 2 inches water gauge shall be maintained on any occasion that the source is operated,
- (c) the scrubbing solution shall maintain a minimum pH of 7.8,
- (d) the pH meter shall be calibrated monthly, or as approved by the Department,
- (e) a minimum water flow rate of 2 gallons per minute shall be maintained on any occasion the source is operating.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

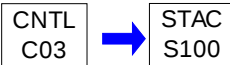
Source ID: C03

Source Name: 12' BATCH PACKED TOWER 2

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3



This source occurs in alternate operation TEMPORARY MAINTENANCE AND CLEANING MODE

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

The air contaminant emissions from the Batch Process Sources, when routed through this Control Device (Batch Packed Tower 2), shall be limited to the following:

(a) No greater than 3.6 lbs/hr and 15.77 tons/yr of sulfur oxides;

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21];

(b) No greater than 1.7 lbs/hr and 7.45 tons/yr of nitrogen oxides;

(c) No greater than 0.42 lbs/hr and 1.84 tons/yr of carbon monoxides;

(d) No greater than 1.6 lbs/hr and 7.0 tons/yr of volatile organic compound;

(e) No greater than 1.96 lbs/hr (0.02 grains/DSCF) and 8.58 tons/yr of particulate matter;

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13(c)(1)(i)].

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

(a) The permittee shall perform a stack test for this source (batch rendering stack S100) using the Department-approved procedures once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later. Performance tests shall be conducted while the sources ducted to the control device are operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(b) The stack test shall, at a minimum, test for VOC and PM while operating the blood drying process or the feather cooking process at normal operating capacities. The permittee shall alternate operation of blood drying and feather cooking with every other source test performed. Tests shall be conducted in accordance with the applicable Test Methods or other Department approved methodology and 25 Pa. Code Chapter 139.

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

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

**SECTION D. Source Level Requirements**

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

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

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the following for this scrubber, on a weekly basis:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

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

The permittee shall maintain sufficient records containing the necessary data and/or calculations which demonstrate compliance with the SO_x, NO_x, CO, VOC, and PM limits for this source.

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following for this scrubber:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall comply with the following work practice standards for this 12-foot packed tower:

- (a) the packed tower shall be able to handle 75,000 ACFM of gases,
- (b) a minimum operating pressure drop of 2 inches water guage shall be maintained on any occasion that the source is operated,
- (c) the scrubbing solution shall maintain a maximum pH of 5.0,
- (d) the pH meter shall be calibrated monthly, or as approved by the Department,
- (e) a minimum water flow rate of 4 gallons per minute shall be maintained on any occasion the source is operating.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Batch Packed Tower 2 (C03) controls emissions from the following processes: (101) Blood Centrifuge, (102) 2400 Ring Dryer, (108) Portion of Continuous Room, (203) Poultry Grinding and Screening, (206) Beef Grinding and Screening, and Centrisys Process. The Emission Limitations listed in Condition #001 for this source (C03) apply to the Batch Rendering Processes.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

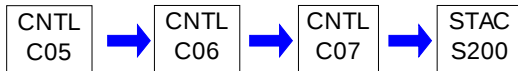
Source ID: C05

Source Name: CONTINUOUS VENTURI SCRUBBER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the following for this scrubber, on a weekly basis:

- (a) recycled flow rate
- (b) pressure drop.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following for this scrubber:

- (a) recycled flow rate
- (b) pressure drop.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the following work practice standards for this venturi scrubber:

- (a) an operating pressure drop of 4 to 10 inches of water guage shall be maintained on any occassion that the source is operating,
- (b) a recycled flow rate of at least 65 gallons per minute shall be maintained on any occassion that the source is operating.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

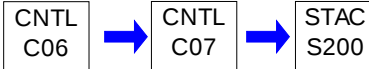
Source ID: C06

Source Name: 8' CONTINUOUS PACKED TOWER 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3



This source occurs in alternate operation TEMPORARY MAINTENANCE AND CLEANING MODE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the following for this scrubber, on a weekly basis:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following for this scrubber:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the following work practice standards for this 8-foot packed tower:

- (a) a minimum operating pressure drop of 2 inches water guage shall be maintained on any occassion that the source is operated,
- (b) the scrubbing solution shall maintain a minimum pH of 7.8,

**SECTION D. Source Level Requirements**

(c) the pH meter shall be calibrated monthly, or as approved by the Department,

(d) a minimum water flow rate of 2 gallons per minute shall be maintained on any occasion the source is operating.

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: C07

Source Name: 12' CONTINUOUS PACKED TOWER 2

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3



This source occurs in alternate operation TEMPORARY MAINTENANCE AND CLEANING MODE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the following for this scrubber, on a weekly basis:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following for this scrubber:

- (a) fresh water flow rate
- (b) scrubbing liquid pH
- (c) pressure drop.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the following work practice standards for this 12-foot packed tower:

- (a) a minimum operating pressure drop of 2 inches water guage shall be maintained on any occassion that the source is operated,
- (b) the scrubbing solution shall maintain a maximum pH of 5.0,

**SECTION D. Source Level Requirements**

(c) the pH meter shall be calibrated monthly, or as approved by the Department,

(d) a minimum water flow rate of 4 gallons per minute shall be maintained on any occasion the source is operating.

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Continuous Packed Tower 2 (C07) controls emissions from the following processes: (104) Grease Evaporator, (201) Continuous 440, (202) 440 Presses, (204) Continuous 260, (205) 260 Presses, and (207) Continuous Room Air.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

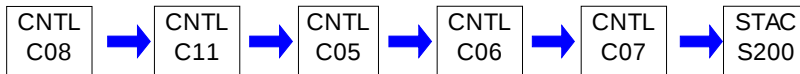
Source ID: C08

Source Name: 440 CONDENSERS

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3
GROUP 4

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

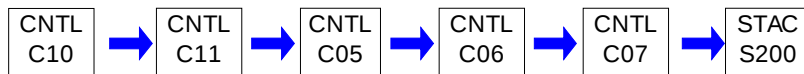
Source ID: C10

Source Name: 260 CONDENSER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3
GROUP 4

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: C11

Source Name: BOILER VENTURI SCRUBBER/CYCLONE

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: GROUP 3

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall monitor the following for this scrubber, on a weekly basis:

- (a) liquid flow rate
- (b) pressure drop.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain weekly records of the following for this scrubber:

- (a) liquid flow rate
- (b) pressure drop.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: Batch Processes

Sources included in this group

ID	Name
101	BLOOD CENTRIFUGE
102	2400 RING DRYER
108	PORTION OF CONTINUOUS ROOM
203	POULTRY GRINDING & SCREENING SYSTEM
206	BEEF GRINDING & SCREENING SYSTEM

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.12(c)(1)(i).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the hours of operation and the material throughput for this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the hours of operation and the material throughput for this source.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records containing the necessary data and/or calculations demonstrating compliance with the particulate matter limit for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emission Limitations and Methods of Compliance for this source are listed under Source ID #C03, Batch Packed Tower 2. All Batch Rendering emissions pass through this control device prior to the final emission point, S100.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 2

Group Description: Continuous Processes

Sources included in this group

ID	Name
104	GREASE EVAPORATOR
201	CONTINUOUS 440
202	440 PRESSES
204	CONTINUOUS 260
205	260 PRESSES
207	CONTINUOUS ROOM AIR

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

001 [25 Pa. Code §123.13]

Processes

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the hours of operation and the material throughput for this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records containing the necessary data and/or calculations demonstrating compliance with the particulate matter limit for this source.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain monthly records of the hours of operation and the material throughput for this source.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 3

Group Description: All Control Devices

Sources included in this group

ID	Name
C01	BATCH VENTURI SCRUBBER
C02	8' BATCH PACKED TOWER 1
C03	12' BATCH PACKED TOWER 2
C05	CONTINUOUS VENTURI SCRUBBER
C06	8' CONTINUOUS PACKED TOWER 1
C07	12' CONTINUOUS PACKED TOWER 2
C08	440 CONDENSERS
C10	260 CONDENSER
C11	BOILER VENTURI SCRUBBER/CYCLONE

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall keep records of the following for each control device associated with this source:

- a) inspections performed
- b) maintenance performed
- c) any deficiencies
- d) any corrective actions taken.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall implement an inspection and maintenance program for the control device(s) on this source.

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 4

Group Description: Condensers

Sources included in this group

ID	Name
C08	440 CONDENSERS
C10	260 CONDENSER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall monitor the discharge product temperature for this condenser on a weekly basis, using a Department approved method.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall maintain weekly records of the discharge product temperature for this condenser.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: TEMPORARY MAINTENANCE AND CLEANING MODE

#001 CHANGES FROM NORMAL OPERATION

In order to maintain the performance of the air scrubbing systems, periodic switching of the pH sequence of treatment by the scrubbers is conducted. Maintenance and cleaning of Control Device C02 - Batch Packed Tower 1 - includes the switch from basic (7.8 pH) to acidic (5.0 pH) in the existing primary odor control equipment on a temporary basis.

Sources included in this Alternative Operation:

ID	Name	Source Type
C02	8' BATCH PACKED TOWER 1	Air Pollution Control D

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

During periodic switching of the pH sequence of treatment for this scrubber, the permittee shall comply with all existing permit conditions other than the following change:

The scrubbing solution shall maintain a maximum pH of 5.0.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: TEMPORARY MAINTENANCE AND CLEANING MODE

#001 CHANGES FROM NORMAL OPERATION

In order to maintain the performance of the air scrubbing systems, periodic switching of the pH sequence of treatment by the scrubbers is conducted. Maintenance and cleaning of Control Device C07 - Continuous Packed Tower 2 - includes the switch from acidic (5.0 pH) to basic (7.8 pH) in the existing secondary odor control equipment on a temporary basis.

Sources included in this Alternative Operation:

ID	Name	Source Type
C07	12' CONTINUOUS PACKED TOWER 2	Air Pollution Control D

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

During periodic switching of the pH sequence of treatment for this scrubber, the permittee shall comply with all existing permit conditions other than the following change:

The scrubbing solution shall maintain a minimum pH of 7.8.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: TEMPORARY MAINTENANCE AND CLEANING MODE

#001 CHANGES FROM NORMAL OPERATION

In order to maintain the performance of the air scrubbing systems, periodic switching of the pH sequence of treatment by the scrubbers is conducted. Maintenance and cleaning of Control Device C06 - Continuous Packed Tower 1 - includes the switch from basic (7.8 pH) to acidic (5.0 pH) in the existing primary odor control equipment on a temporary basis.

Sources included in this Alternative Operation:

ID	Name	Source Type
C06	8' CONTINUOUS PACKED TOWER 1	Air Pollution Control D

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

During periodic switching of the pH sequence of treatment for this scrubber, the permittee shall comply with all existing permit conditions other than the following change:

The scrubbing solution shall maintain a maximum pH of 5.0.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: TEMPORARY MAINTENANCE AND CLEANING MODE

#001 CHANGES FROM NORMAL OPERATION

In order to maintain the performance of the air scrubbing systems, periodic switching of the pH sequence of treatment by the scrubbers is conducted. Maintenance and cleaning of Control Device C03 - Batch Packed Tower 2 - includes the switch from acidic (5.0 pH) to basic (7.8 pH) in the existing secondary odor control equipment on a temporary basis.

Sources included in this Alternative Operation:

ID	Name	Source Type
C03	12' BATCH PACKED TOWER 2	Air Pollution Control D

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

During periodic switching of the pH sequence of treatment for this scrubber, the permittee shall comply with all existing permit conditions other than the following change:

The scrubbing solution shall maintain a minimum pH of 7.8

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
031	YORK SHIPLEY BOILER		
Emission Limit		Pollutant	
0.370	Lbs/MMBTU		NOX
12.610	Tons/Yr		NOX
0.400	Lbs/MMBTU		PM10
2.700	Tons/Yr		VOC
3.000	Lbs/Hr		VOC
15.000	Lbs/Day		VOC
040	48.28 MMBTU/HR JOHNSTON BOILER 1		
Emission Limit		Pollutant	
300.000	PPMV	at 3% oxygen	CO
10.370	Tons/Yr		NOX
30.000	PPMV	at 3% oxygen	NOX
0.400	Lbs/MMBTU		PM10
1.200	Lbs/MMBTU		SOX
101	BLOOD CENTRIFUGE		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
102	2400 RING DRYER		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
104	GREASE EVAPORATOR		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
108	PORTION OF CONTINUOUS ROOM		
Emission Limit		Pollutant	
0.040	gr/DRY FT3		PM10
113	EXEMPT EMERGENCY ENGINES		
Emission Limit		Pollutant	
2.750	Tons/Yr	aggregate from all exempt engines on site, per ozone season	NOX
6.600	Tons/Yr	aggregate from all exempt engines on site, based on 12-month rolling sum	NOX
100.000	Lbs/Hr	aggregate from all exempt engines on site	NOX
1,000.000	Lbs/Day	aggregate from all exempt engines on site	NOX
0.040	gr/DRY FT3		PM10

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description																								
201	CONTINUOUS 440																								
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	PM10																				
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202	440 PRESSES																								
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Emission Limit	Pollutant																								
0.040 gr/DRY FT3	PM10																								
204	CONTINUOUS 260																								
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0.040 gr/DRY FT3	PM10																								
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206	BEEF GRINDING & SCREENING SYSTEM																								
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207	CONTINUOUS ROOM AIR																								
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0.040 gr/DRY FT3	PM10																								
C03	12' BATCH PACKED TOWER 2																								
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.420 Lbs/Hr</td><td>CO</td></tr><tr><td>1.840 Tons/Yr</td><td>CO</td></tr><tr><td>1.700 Lbs/Hr</td><td>NOX</td></tr><tr><td>7.450 Tons/Yr</td><td>NOX</td></tr><tr><td>0.020 gr/DRY FT3</td><td>PM10</td></tr><tr><td>1.960 Lbs/Hr</td><td>PM10</td></tr><tr><td>8.580 Tons/Yr</td><td>PM10</td></tr><tr><td>3.600 Lbs/Hr</td><td>SOX</td></tr><tr><td>15.770 Tons/Yr</td><td>SOX</td></tr><tr><td>1.600 Lbs/Hr</td><td>VOC</td></tr><tr><td>7.000 Tons/Yr</td><td>VOC</td></tr></table>		Emission Limit	Pollutant	0.420 Lbs/Hr	CO	1.840 Tons/Yr	CO	1.700 Lbs/Hr	NOX	7.450 Tons/Yr	NOX	0.020 gr/DRY FT3	PM10	1.960 Lbs/Hr	PM10	8.580 Tons/Yr	PM10	3.600 Lbs/Hr	SOX	15.770 Tons/Yr	SOX	1.600 Lbs/Hr	VOC	7.000 Tons/Yr	VOC
Emission Limit	Pollutant																								
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1.960 Lbs/Hr	PM10																								
8.580 Tons/Yr	PM10																								
3.600 Lbs/Hr	SOX																								
15.770 Tons/Yr	SOX																								
1.600 Lbs/Hr	VOC																								
7.000 Tons/Yr	VOC																								

**SECTION G. Emission Restriction Summary.****Site Emission Restriction Summary**

Emission Limit		Pollutant
49.900 Tons/Yr	based on a 12-month rolling sum	NOX

Alternative Operation Emission Restriction Summary

Source Id	Source Description
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**SECTION H. Miscellaneous.**

AUGUST 2001 INITIAL

(a) The following previously issued operating permits serve as the basis for certain terms and conditions set forth in this Title V Operating Permit:

OP-46-0001 Facility NO_x RACT

46-317-005D Various Rendering Equipment

46-317-005E Various Rendering Equipment

Plan Approval No. 46-0001 Source ID 040 Johnston Boiler rated at 48.28 MMBtu/hr

Plan Approval No. 46-0001A Flue Gas Recirculation System installed in Source ID 031 York Shipley Boiler (only used when firing No. 6 fuel oil, which is no longer being used and replaced by No. 2 fuel oil)

(b) The mapping diagrams and capacities listed in Section A and D are not enforceable and are for informational purposes only.

(c) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

(1) TK #2 - No. 2 Oil Storage Tank: This tank, located in the wastewater plant, has a capacity of 1,000 gallons and supplies No. 2 Oil to Source 35 for building heating and hot water.

(2) TK #3 - No. 2 Oil Storage Tank: This tank, located in the hide building, has a capacity of 2,000 gallons and supplies No. 2 Oil to Source 36 for building heating and hot water.

(3) TK #4 - No. 2 Oil Storage Tank: This tank, located in the front office, has a capacity of 275 gallons and supplies No. 2 Oil to Source 37 for building heating and hot water.

(4) TK #6 - Kerosene Storage Tank: This tank, located in the hide building, has a capacity of 275 gallons and supplies kerosene to Source 39 for building heat.

(5) TK #8 - No. 2 Oil Storage Tank: This tank is no longer used and is disconnected.

(6) TK #9 - No. 2 Oil Storage Tank: This tank, located in the truck garage, has a capacity of 275 gallons and supplies No. 2 Oil for heating.

(7) TK #10 - Diesel Storage Tank: This tank, located adjacent to the main driveway, has a capacity of 12,000 gallons and supplies diesel to trucks.

(8) TK #11 - Gasoline Storage Tank: This tank, located in the truck garage, has a capacity of 550 gallons and supplies gasoline to yard vehicles.

(9) TK #12 - Used Oil Storage Tank: This tank, located in the truck garage, has a capacity of 3,000 gallons and supplies fuel for heating.

(10) Wastewater Treatment Plant: This treatment plant handles approximately 1.12 MGD of waste generated in the facility.

(i) The first process is what is known as primary treatment where the waste flows through various units such as screening devices, skimmers and a dissolved air floatation unit to remove a significant amount of solids, oil and grease.

(ii) The next step is what is called secondary treatment which consists of aeration basins and an anoxic basin. These basins promote and support biological activity necessary to remove various organic pollutants and transform waste into what is known as bio-mass.

(iii) The final step is called tertiary treatment, where the bio-mass flows into two clarifiers for settling of the bio-solids. Effluent clarifier water then enters a series of sand filters and UV filtration before discharging to the Skippack Creek.

(11) A Clean-Burn Boiler is installed in the truck garage and has a capacity of 0.45 MMBtu/hr. It burns used oil and supplies building heat.

(12) A Weil McClain Boiler is installed in the truck garage and has a capacity of 1.357 MMBtu/hr. It burns No. 2 Oil and supplies building heat.

**SECTION H. Miscellaneous.**

(13) Laboratory Operations: A quality assurance laboratory is operated at the facility. The laboratory includes several small combustion sources (such as bunsen burners). Emissions of regulated pollutants are negligible. Related operations, such as routine calibration and maintenance of laboratory equipment or other analytical instruments and bench scale laboratory equipment used for physical and chemical analysis, are negligible.

(14) Maintenance activities: Activities included, but are not limited to, general repairs, cleaning, painting, welding, and plumbing.

(15) Air compressors and pneumatically operated equipment: Emissions from these units are negligible.

(16) Portable space heaters.

(17) Meal loading: The material has high moisture content (approximately 10%) and loading occurs in an enclosure. Potential particulate emissions are insignificant.

(18) Blood holding tanks: Emissions of regulated pollutants are expected to be minimal.

(19) Lime Silo and Filter: The lime is for the Waste Water Treatment Plant. The source and control device have been determined by the Department to be insignificant sources of air pollutant through an RFD (Request for Determination).

(20) FML06 - 6,000 gallon storage tank: This tank contains the Animal Fat/Vegetable Oil.

(21) WWTP Boiler - 2.396 MMBtu/hr firing No. 2 fuel oil or natural gas.

(22) Hide Plant Boiler - 2.713 MMBtu/hr firing No. 2 fuel oil or natural gas.

(23) Front Office Heater - 0.1 MMBtu/hr firing No. 2 fuel oil.

(24) Space Heaters - 0.35 MMBtu/hr fired by kerosene.

(25) 1,000 gallon diesel fuel aboveground storage tank located at Fleet Service Center.

(26) 300 gallon kerosene aboveground storage tank located at Truck Garage.

(27) 1,000 gallon propane aboveground storage tank located at Pumping Station.

(28) Four (4) aqueous-based parts washers - two (2) located in the fleet service garage, one (1) located in the rendering maintenance shop, and one (1) located in the rendering boiler room. * Update 2016 * maintenance shop and boiler room parts washers have been removed; only two (2) parts washers in the fleet service garage remain in operation onsite.

(29) Gasoline dispensing on site is exempt from Stage II requirements of 25 Pa. Code § 129.82 due to tank size and usage.

(d) For Tank #108 (40,000 gallon #2 UST) the permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Copies of the records shall be kept over the life of the source, pursuant to 40 CFR § 60.116(a) and (b).

(e) In addition to the SIC Code listed in the permit (SIC 2077), SIC Codes 2048 (Manufacturing - Prepared Feeds/Feed Ingredients for Animals and Fowls) and 2875 (Manufacturing - Fertilizers, Mixing Only) also apply to the facility.

MARCH 2006 MINOR MODIFICATION

(f) This permit has been modified (Minor Modification Application dated 2/28/2006) to make a change in operational parameters for Control Devices associated with the batch and continuous Packed Towers 1 & 2 - C02, C03, C06, and C07. (APS 346671 / New AUTH 624020 and Master AUTH ID 355477).

NOVEMBER 2006 RENEWAL

(g) This Title V Permit is a Renewal. Sources are not subjected to CAM and there are no new significant sources at this facility.

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There are no new federal regulations which apply to this facility. Source ID 112 Parts Washers has been created because the cold cleaners are now subjected to 25 Pa. Code § 129.63 (Degreasing Operations); applicable Work Practices Standards have been added to the permit. APS ID 346671; AUTH ID 623813.

(1) For consistency, Section C Deviation and Compliance Certification Reporting Requirements have been revised, see Section C Condition No. 015.

(2) The Title V Renewal incorporates terms and conditions from Plan Approval 46-317-005E (Batch Rendering Equipment). The VOC emission limit for CO3 Batch Packed Tower 2 has been revised to 1.6 lbs per hour and 7.0 tons per year.

FEBRUARY 2008 MINOR MODIFICATION

(h) This permit has been modified (Minor Modification Application dated 12/10/2007) APS ID 346671; AUTH ID 705986. The following revisions have been addressed:

(1) Source ID 031 - York Shipley Boiler - The boiler has been modified to combust gaseous fuels while still having the capability to combust No. 6 fuel oil and animal fat/vegetable oil. The mapping for Source ID 031 has been modified to add FML05 (Natural Gas) and FML07 (Biogas). The modification has been approved under RFD 46-A01-2544.

(2) Source C01 - Batch Venturi Scrubber - The pressure drop range has been revised from 6 to 10 inches w.g. to 4.5 to 10 inches w.g. in Source Level Work Practice Standards.

(3) Sources C08, C09, C10 - Condensers - Monitoring and recordkeeping language has been revised to indicate "discharge product temperature" rather than coolant temperatures in Source Level Requirements.

(4) Source ID 109 - Emergency Generator - The source no longer operates at the facility and has been removed from the permit.

(5) The Responsible Official has been changed to James Fisher, General Manager.

(5) Various typographical errors have been corrected, namely source capacities.

NOVEMBER 2011 RENEWAL

(i) This permit is the Title V Renewal: APS ID 346671; AUTH ID 879127. The following is addressed with this renewal:

(1) The parts washers previously contained in Source ID 112 (Parts Washers) no longer use a solvent-based product for cleaning. MSDS provided show that the cleaning solution used in all four (4) parts washers is aqueous-based. The requirements of 25 Pa. Code § 129.63 no longer apply to the units contained in Source ID 112; therefore Source ID 112 has been removed from Section A (Site Inventory) and Section D (Source Level) and now appears above as (c)(28).

(2) RFD No. 839 - Source ID 113 has been added as "Exempt Emergency Engines" in Section A (Site Inventory) and Section D (Source Level) and contains the following units: Cummins 755-hp (500-kW) diesel emergency generator which provides electrical power to the wastewater treatment plant during utility power outages and a portable John Deere 140-hp (100-kW) diesel emergency standby engine which is used for miscellaneous pumping applications.

(3) RFD No. 711 - Source ID 302 has been added as "Anaerobic Lagoon" in Section A (Site Inventory) and Section D (Source Level) and includes the following: a nine-million gallon covered anaerobic lagoon, or digester, at the existing wastewater treatment plant. The anaerobic treatment process generates biogas. The biogas is captured by the lagoon's cover and routed to the York Shipley Boiler No. (Source ID 031) to use as a combustion fuel.

(4) RFD No. 757 - Source ID C13 has been added as "Enclosed Emergency Flare" in Section A (Site Inventory) and Section D (Source Level) as a control device associated with the Anaerobic Lagoon, Source ID 302. Biogas generated from the lagoon is sent to the flare in the event that the York Shipley Boiler is out of service. Associated monitoring and recordkeeping have been added to the renewal permit for both the lagoon (source) and the flare (control).

(5) A recordkeeping requirement has been added to Section C (Site Level) to quantify the Greenhouse Gas (GHG) emissions and data in order to demonstrate compliance with the Mandatory Reporting Rule because the facility has been identified as major for

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GHG.

DECEMBER 2014 MINOR MODIFICATION

(j) This permit is a minor modification: APS ID 346671; AUTH ID 1049874. The Title V Operating Permit has been modified to remove the use of No. 6 fuel oil and add the use of No. 2 fuel oil in the York Shipley Boiler (Source ID 031) and the Keeler Boilers (Source ID 033 and 034).

APRIL 2015 MINOR MODIFICATION

(k) This permit is a minor modification: APS ID 346671; AUTH ID 1064757. Title V Operating Permit conditions for the Control Devices listed as Source ID C02, C03, C06, and C07 have been modified in order to address the physical change to the chemistry in the existing scrubber equipment. The change does not affect emissions and meets all applicable standards and limitations. References to oxidation reduction potential (ORP), chlorine residual, and temperature have been removed from these control devices because they no longer apply, pH is the critical monitoring parameter. Also reference RFD No. 4854.

JUNE 2015 AMENDMENT

(l) This permit is an administrative amendment: APS ID 346671; AUTH ID 1072135 to incorporate terms and conditions from Plan Approval No. 46-0001 (AUTH ID 948385) for the installation of Source ID 040 Johnston Boiler and Plan Approval No. 46-0001A (AUTH ID 989704) for the installation of a flue gas recirculation system on Source ID 031 York Shipley Boiler when firing No. 6 fuel oil. After the plan approval was issued, No. 6 fuel oil was replaced by No. 2 fuel oil in the York Shipley Boiler. Therefore, the FGR is no longer necessary. Source testing all boilers has been revised to test on fuel consumed for at least 30 consecutive days.

JANUARY 2017 RENEWAL

(m) This permit is the Title V Renewal: APS: 346671; AUTH ID: 1131625. The following is addressed with this renewal:

(1) The responsible official has been updated to Michael Bracrella, General Manager. The permit contact has been updated to Aidan Wiggin, Environmental Manager.

(2) JBS no longer elects to restrict liquid fuel oils in the York Shipley Boiler (Source ID 031) and the two Keeler Boilers (Source ID 033 and 034). Therefore, the requirements of 40 CFR Part 63 Subpart JJJJJ are now included in the permit for these boilers.

(3) RFD No. 5788 - Alternate Operating Scenario has been added to Section E (Alternative Operation Requirements) in order to allow for temporary switching of the pH sequence of treatment by the air scrubbing systems for maintenance purposes.

(4) RFD No. 5851 - The Beef Cooker (Source ID 204) unit has been replaced with an identical cooking unit. Odors are routed to existing control system.

(5) RFD No. 3970 - The shell and tube condenser installation on Continuous Poultry (Source ID 201) is exempt from plan approval.

(6) Minor corrections and updates related to 40 CFR Part 60 Subpart IIII have been made to Source ID 113 - Engines. The hours of operation restrictions of 40 CFR § 60.4211(f) have been incorporated and 500 hours per year limit has been added for presumptive RACT II.

(7) RACT II requirements of 25 Pa. Code § 129.96-100 have been addressed for all fuel consuming sources. The sources will comply with presumptive RACT II of 25 Pa. Code § 129.97. A compliance schedule has been added to Section C for the de-rating of the Keeler Boilers (Source ID 033 and Source ID 034) from 56.4 MMBtu/hr to less than 50 MMBtu/hr.

(8) The sulfur requirements of 25 Pa. Code § 123.22 and the testing requirements of 25 Pa. Code § 139.16 have been updated as applicable.

(9) Flue Gas Recirculation references have been removed from the York Shipley Boiler (Source ID 031) because the boiler no

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longer fires No. 6 fuel oil. FGR is not used for No. 2 fuel oil in this boiler.

(10) RFD No. 5968 - Three (3) batch cookers have been removed from Source ID 103 Grease Cooking. Centrisys Process equipment including melter, screen and centrifuge, have been added to the grease cooking room. Odors are vented to existing 12' Batch Packed Tower 2 (C03). Source ID 103 has been removed from the permit.

JUNE 2022 RENEWAL

(n) This permit is the Title V Renewal: APS 346671; AUTH ID 1354470. The following items have been addressed with this renewal permit:

(1) The responsible official has been changed from Mr. Michael Bracrella, General Manager to Mr. Charles Rocker, Head of Operations.

(2) The permit contact has been changed from Ms. Aidan Wiggin, Environmental Manager to Ms. Paloma Hernandez, E&S Manager.

(3) Section C (Site Level Requirements) and Section B (General Requirements) of the permit have been updated to the most current template language used for Title V Operating Permits issued in the Southeast Region; original intent of permit conditions has not changed. Information on the new fee schedule pursuant to 25 Pa. Code § 127.704 has been added to Section B (Condition #018); air emission inventory reporting pursuant to 25 Pa. § 135.3 now appears in Section B (Condition #031). Due to a change to the AIMS permitting system, grouped permit conditions now appear in Section E, the Emission Restriction Summary now appears as Section G, and the Miscellaneous Section is now Section H of the permit.

(4) Testing requirements for the boilers and the 12' Batch Packed Tower 2 (C03) have been updated to reflect current guidelines, such as electronic submittals and Source Testing FAQ found on DEP's website. A supplemental clarifying testing requirement has also been added to Section C of the permit to include information related to PSIMS and electronic submittals.

(5) Federal regulation citations applicable to the exempt engines (Source ID 113) have been updated to reflect revisions to 40 CFR Part 60 Subpart IIII as amended on June 18, 2021.

(6) RACT II compliance milestones have been achieved; the Keeler Boilers were derated in December 2016. The Compliance Schedule in Section C has been removed from the permit and the capacities of Source ID 033 and Source ID 034 have been modified to 47.94 MMBtu/hr.

(7) The following RFDs were submitted and reviewed since the last renewal permit issued in January 2017:

RFD No. 6407: The non-condensable vapor line from the Beef Cooker (Source ID 204) has been tied into the Batch Condenser System (Control Device C09). This project was not pursued; no change to the permit.

RFD No. 8606: The installation of a new blower to the biogas collection system of the anaerobic lagoon does not require and revisions to the permit mapping or permit conditions. The new blower to the biogas collection system allows the facility to handle a larger volume of gas during warmer months to reduce expansion inside the lagoon cover that could damage the ballasts or compromise the integrity of the cover. The physical modification does not result in an increase of biogas generated at the anaerobic lagoon; therefore, the project does not generate additional emissions at the source, upstream of the source, or downstream of the source.

RFD No. 9139: Six-month trial of a new chemical process for the existing scrubber systems designated as Control Devices C02, C03, C06, C07 and Stacks S100 and S200. On February 21, 2022, JBS indicated the trial began; however, two days later, JBS stated the trial did not continue after February 23, 2022, and the project may be revisited later in the year.

RFD No. 9146: The batch feather cookers (Source ID 107) have been removed from the plant and are removed from the permit during the renewal process. The condenser (C09) associated with this source is no longer in operation and has been removed from the permit.

RFD No. 9693: The cooker operating as part of the Continuous Poultry (Source ID 201) will be replaced with a new cooker. In order to support the upgrade, the poultry condenser (C08) will be replaced with two (2) condenser units operating in parallel, designated as C08A and C08B. The project also includes removing the Greaser Evaporator (Source ID 104) from Control Device

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C03 and changing to Control Device C11/C12. The duplicate cyclones (C11/C12) have been corrected in the permit; only C11 exists.

(8) Source ID 201 Continuous Poultry has been renamed "Continuous 440" and Source ID 204 Continuous Beef has been renamed "Continuous 260."

JULY 2025 MINOR MODIFICATION

(o) This permit is a minor modification (AUTH ID 1532724) to incorporate a 50 tpy NO_x emission limit in Section C (Site Level Requirements) to opt out of RACT III requirements. Keeler Boiler 1 (Source ID 033) and Keeler Boiler 2 (Source ID 034) have been removed from the facility and the permit.



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