



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

TITLE V/STATE OPERATING PERMIT

| | | | |
|----------------|------------------|------------------|------------------|
| Issue Date: | May 8, 2020 | Effective Date: | November 8, 2023 |
| Revision Date: | November 8, 2023 | Expiration Date: | May 13, 2025 |
| 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: 46-00013

Federal Tax Id - Plant Code: 75-2990438-1

Owner Information

Name: CLEMENS FOOD GROUP
Mailing Address: PO BOX 902
2700 CLEMENS RD
HATFIELD, PA 19440-0902

Plant Information

Plant: CLEMENS FOOD GROUP/HATFIELD PLT
Location: 46 Montgomery County 46930 Hatfield Township
SIC Code: 2011 Manufacturing - Meat Packing Plants

Responsible Official

Name: ERIC PATTON
Title: SR. VICE PRESIDENT
Phone: (215) 368 - 2500 Ext.7990 Email: epatton@clemensfoodgroup.com

Permit Contact Person

Name: SARA WILLIAMS
Title: ENVIRONMENTAL SPECIALIST
Phone: (215) 368 - 2500 Ext.8958 Email: swilliams@clemensfoodgroup.com

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



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Note: These same sub-sections are repeated for each source!

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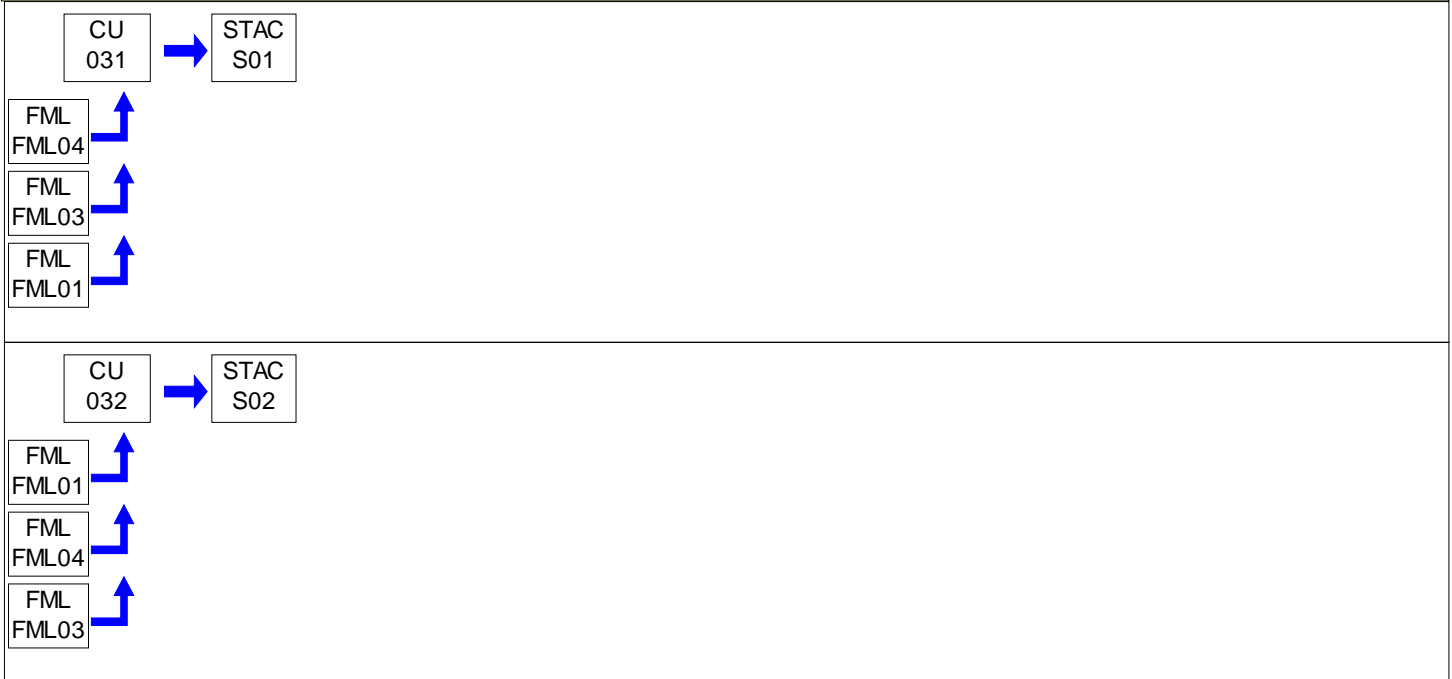
Section H. Miscellaneous

**SECTION A. Site Inventory List**

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|-----------|---|---------------------|---------------|
| 031 | CLEAVER BROOKS BOILER | 49.000 MMBTU/HR | |
| | | 350.000 Gal/HR | #2 Oil |
| | | 47.600 MCF/HR | Natural Gas |
| | | 530.000 Gal/HR | Propane |
| 032 | KEELER BOILER 1 | 27.400 MMBTU/HR | |
| | | 195.000 Gal/HR | #2 Oil |
| | | 26.000 MCF/HR | Natural Gas |
| | | 290.000 Gal/HR | Propane |
| 033 | KEELER BOILER 2 | 27.400 MMBTU/HR | |
| | | 195.000 Gal/HR | #2 Oil |
| | | 26.000 MCF/HR | Natural Gas |
| | | 290.000 Gal/HR | Propane |
| 036 | JOHNSTON 49 MMBTU/HR BOILER | 49.000 MMBTU/HR | |
| | | 350.000 Gal/HR | #2 Oil |
| | | 49.000 MCF/HR | Natural Gas |
| | | 541.000 Gal/HR | Propane |
| 101 | RENDERING PROCESS EQUIPMENT | 3,000.000 CF/HR | Natural Gas |
| | | 33.000 Gal/HR | Propane |
| 106 | MISC. HEATERS (PRE 1999) | 21.300 MCF/HR | Natural Gas |
| | | 235.000 Gal/HR | Propane |
| 108 | EMERGENCY GENERATOR | 7.200 Gal/HR | Diesel Fuel |
| 109 | EMERGENCY GENERATOR-COMPRESSOR ROOM | 0.426 MMBTU/HR | |
| | | 4.200 Gal/HR | Diesel Fuel |
| 114 | SINGER 1 | | |
| 115 | SINGER 2 | | |
| 116 | MISC. HEATERS 2 (POST 1999) | 153.000 Gal/HR | Propane |
| | | 13.900 MCF/HR | Natural Gas |
| 117 | AMMONIA REFRIGERATION | | |
| 119 | EMERGENCY GENERATOR - COMPRESSOR RM. #5 | N/A | Diesel Fuel |
| 120 | EMERGENCY GENERATOR - WAREHOUSE | 0.229 MMBTU/HR | |
| | | 6.900 Gal/HR | Diesel Fuel |
| 121 | SMOKEHOUSE BURNERS (4) | 14.000 MMBTU/HR | |
| | | N/A | OFFAL |
| 123 | AUTOBODY SHOP AND TRUCK PAINTING AREA | 1.000 Gal/HR | VOC PAINT |
| 999 | 40 CFR 63, SUBPART ZZZZ | N/A | Diesel Fuel |
| C02 | PACKED TOWER SCRUBBER | N/A | |
| C04 | CONDENSER | N/A | |
| C13 | VENTURI SCRUBBER | N/A | |
| C14 | PACKED TOWER SCRUBBER | N/A | |
| C36 | FLUE GAS RECIRCULATION | | |
| FML01 | NATURAL GAS | | |

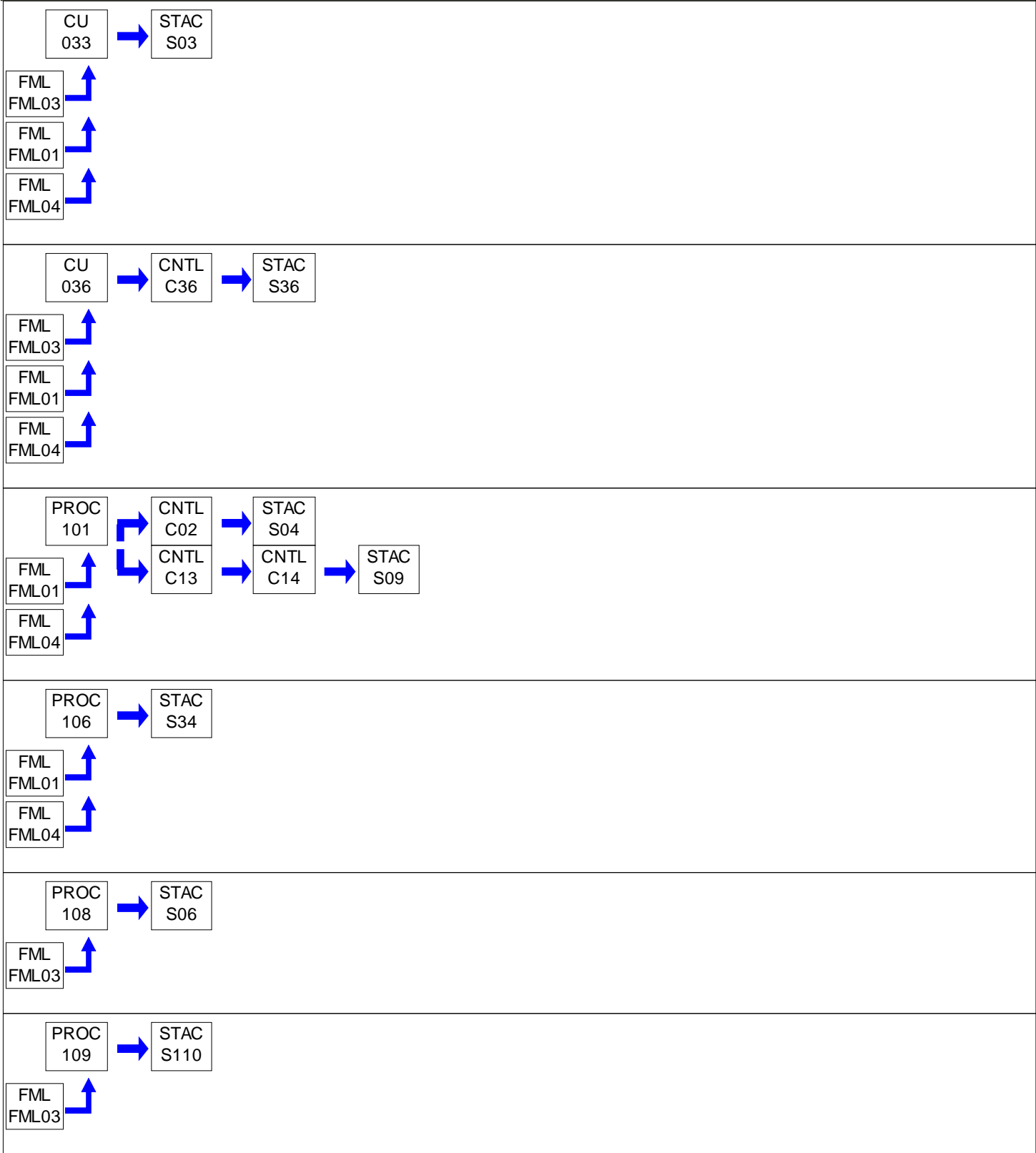
**SECTION A. Site Inventory List**

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|-----------|---|---------------------|---------------|
| FML03 | #2 OIL TANK | | |
| FML04 | PROPANE TANK | | |
| S01 | CLEAVER BROOKS STACK | | |
| S02 | KEELER #1 STACK | | |
| S03 | KEELER #2 STACK | | |
| S04 | RENDERING PLANT STACK | | |
| S06 | GENERATOR STACK | | |
| S07 | EMERGENCY GENERATOR (WAREHOUSE) STACK | | |
| S09 | PACKED TOWER SCRUBBER STACK | | |
| S110 | COMP. ROOM GENERATOR STAC | | |
| S116 | MISC. HEATERS STACK | | |
| S119 | EMERGENCY GENERATOR COMPRESSOR RM. #5 STACK | | |
| S121 | SMOKEHOUSE BURNERS STACKS (4) | | |
| S34 | HEATER STACK | | |
| S36 | JOHNSON BOILER STACK | | |
| Z123 | AUTOBODY SHOP FUGITIVE EMISSIONS | | |

PERMIT MAPS

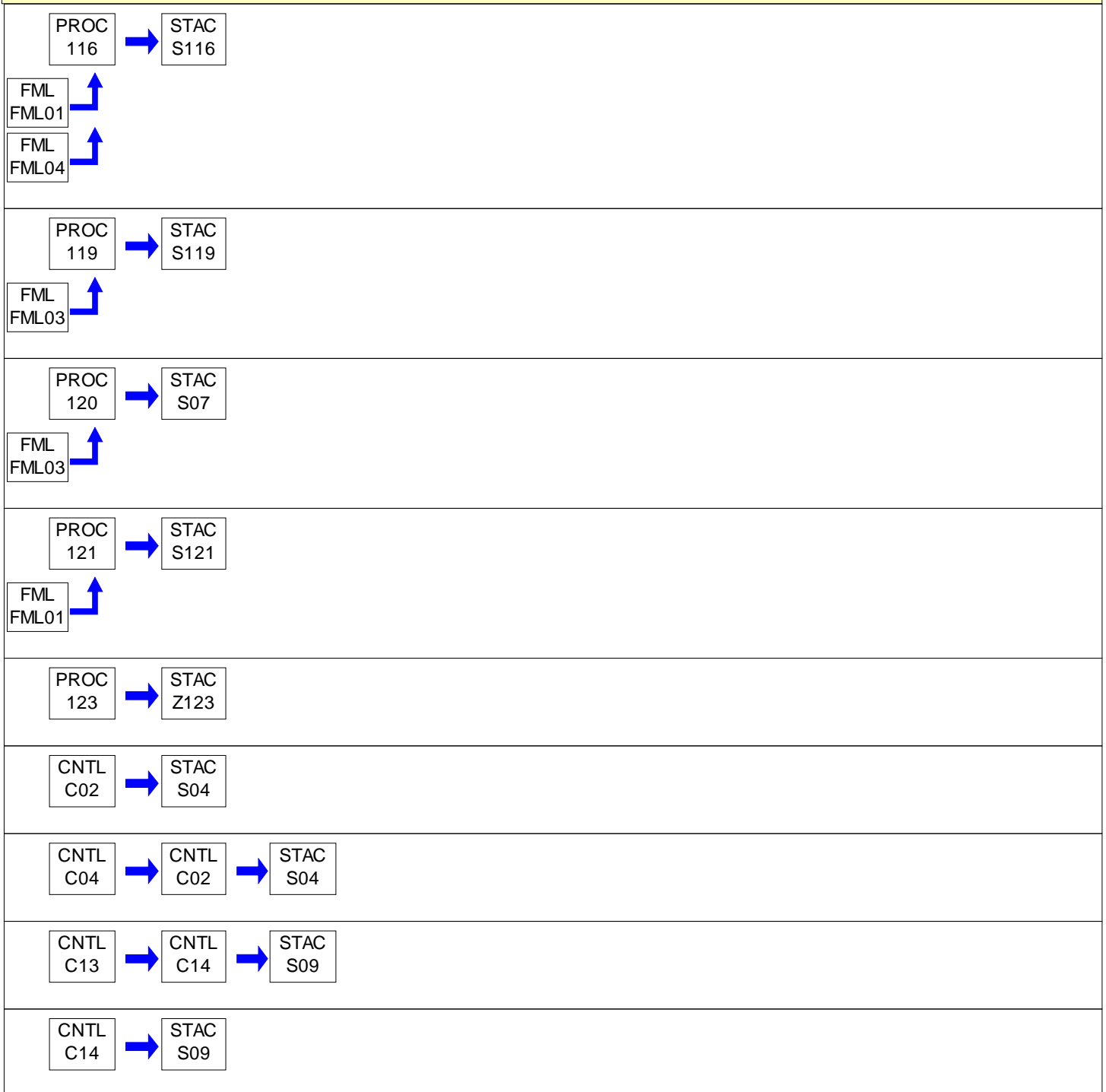


PERMIT MAPS





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 act.

#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 §121.7]****Prohibition of air pollution.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.448, 129.93, 127.512(h).]

(a) The Title V Operating Permit 46-00013 incorporates a Federally Enforceable Emission Cap (FEEC) for NO_x emissions from the facility in accordance with the requirements of 25 Pa. Code §127.448 and requires the Singers and the Miscellaneous Heaters (Source ID(s): 114, 115 and 116) to meet the presumptive Reasonably Available Control Technology (RACT) requirements of 25 Pa. Code Section 129.93(c) of maintenance and operation in accordance with manufacturer's specifications.

(b) Facility Emission Limitations

(1) The total NO_x emissions from the facility shall not exceed 74.15 tons per year expressed as 12-month rolling sum, calculated monthly in accordance with the provisions of the Federally Enforceable Recordkeeping Requirements of this Title V Operating Permit without first undergoing major New Source Review ("NSR"). Any change that would result in an increase over the FEEC shall be subject to the requirements of Title 25, Chapter 127, Subchapter E. This limit shall include emissions of NO_x from all sources at the facility, including the sources listed in the above Section A, Site Inventory List of this Title V Operating Permit.

(2) The permittee shall ensure that the facility does not exceed the following criteria air contaminant emissions limits.

(i) SO_x: 249 tons per year, or less, calculated as a 12-month rolling sum.

(ii) PM: 249 tons per year, or less, calculated as a 12-month rolling sum.

(3) To ensure that it remains a minor source of hazardous air pollutant (HAP), the permittee shall ensure that the facility does not exceed the following emissions limits.

(i) 10.0 tons per year, or less, for any single HAP, calculated as a 12-month rolling sum.

(ii) 25.0 tons per year, or less for all combined, aggregate HAPs, calculated as a 12-month rolling sum.

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

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

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.

**SECTION C. Site Level Requirements**

- (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.**# 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(s) may be in excess of the limitations specified in this Permit/Plan Approval, 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.

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

- (a) The permittee shall submit one paper copy plus one electronic copy of 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 (mail and 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.
- (b) The following pertinent information shall be listed on the title page.
 1. Test Date(s)
 - a. For protocols, provide the proposed date on which testing will commence or "TBD"
 - b. For reports, provide the first and last day of testing
 2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF Id under which the protocol was stored in PSIMS, as indicated in the protocol response letter.
 3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment
 4. Testing Requirements (all that apply)
 - a. Plan approval number(s)
 - b. Operating permit number
 - c. Applicable federal subpart(s) (i.e. 40 CFR 60, Subpart JJJJ)
 - d. Special purpose(s) (Consent Order, RFD, RACT II, Tier II, etc.)
- (c) Mail all paper submissions to both the PSIMS Administrator and the Air Quality Program Manager for the Southeast Regional Office. Mailing addresses are provided below.

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Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Southeast Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 2 East Main Street
 Norristown, PA 19401

(d) Eliminate shading, color ink for data emphasis, small font size, and color saturation as the scanning to create an electronic file is done in black and white. Shading and color emphasis do not scan well and make the electronic copies difficult to read.

(e) Email all electronic submissions to both the PSIMS Administrator in Central Office and the Air Quality Program Manager for the Southeast Regional Office. Email addresses are provided below.

Central Office
 RA-EPstacktesting@pa.gov

Southeast Region
 RA-EPSEstacktesting@pa.gov

(f) The Department limits emails to 15 MB and PSIMS has a file size limitation of 100 MB for electronic files. Submit just one electronic file (convert any Microsoft Word or Excel files to an Adobe PDF format and combine them with the report or protocol), unless the submission contains CONFIDENTIAL information.

(g) 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".

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

(3) 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, showing the percent sulfur in the fuel, is obtained from the fuel supplier each time a delivery is made.

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

**SECTION C. Site Level Requirements**

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

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

(a) The permittee shall calculate and monitor the emissions, on a monthly basis, in order to ensure compliance with the facility emission limitations of this Title V Operating Permit.

(b) The permittee shall monitor, on a daily basis, the amounts of natural gas, propane, No. 2 fuel oil used. The permittee shall calculate monthly the amounts of each fuel used and determine emissions as a 12-month rolling sum.

014 [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); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, which may cause annoyance or discomfort to the public noticed at the site property boundaries that are caused or may be caused by operations at the site, as well as fugitive particulate emissions that originated on-site and cross the property line, and visible emissions that originated 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); and
- (4) be recorded in a permanent written log.

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

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

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

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.]

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; and
- (c) the corrective action taken, if necessary, to abate the situation and prevent future occurrences.

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

(a) The permittee shall keep records, on a monthly basis calculated as 12-month rolling sum, of the emissions from the facility in order to ensure compliance with the facility emissions limitations of this Title V Operating Permit. The permittee

**SECTION C. Site Level Requirements**

shall keep records on a monthly basis of its facility NO_x, SO_x, and PM emissions in order to ensure compliance with facility emission limitations.

(b) The permittee shall maintain records, on a monthly basis, calculated as a 12-month rolling sum, of the amounts of fuels used at the facility, in order to determine emissions as a 12-month rolling sum.

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

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

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The 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.

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

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

The permittee shall submit the following:

(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

**SECTION C. Site Level Requirements**

forth in this Title V permit as required under condition #24 of section B of this permit. The annual certificate of compliance shall be submitted to the Department in paper form, and EPA Region III in electronic form at the following email address: R3_APD_Permits@epa.gov

(b) A semi-annual deviation report, due 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 fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

020 [25 Pa. Code §135.21]**Emission statements**

The permittee shall submit by March 1, of each year, an annual emission statement for NO_x and VOC emissions for the preceding calendar year. Additionally, a description of the method used to calculate the emissions shall be included. The statement shall contain a certification by a company official or plant manager that the information contained in the statement is true and accurate.

VI. WORK PRACTICE REQUIREMENTS.**# 021 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

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

022 [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 applicable rule promulgated under the Clean Air Act.

023 [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.

024 [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, listed in Section A and Section G, where applicable, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 025 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]
Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Am I subject to this subpart?**

(a) The provisions of this subpart are applicable to the owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commenced construction after July 11, 2005, where the stationary CI ICE was manufactured after April 1, 2006.

(b) The 100-kW, diesel fuel-fired Emergency Generator – Warehouse (Source ID: 120) is subject to this subpart and must comply with the Tier pollutant emission standards for nonroad CI engines.

**# 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11193]
SUBPART JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
Am I subject to this subpart?**

(a) The four (4) multiple fuel-fired boilers (Source ID(s): 031, 032, 033, and 036) are subject to the provisions of 40 CFR 63, Subpart JJJJJJ which establishes regulations for industrial, commercial, and institutional boilers at area HAP facilities.

(b) The four (4) affected boilers are regulated as existing sources in the “oil subcategory” of boilers under the subpart. As pursuant 40 CFR § 63.11237, a source in the “oil subcategory” includes any boiler that burns any liquid fuel and is not in either the biomass or coal subcategories.

(c) As pursuant 40 CFR § 63.11201(b) and Table 2 of the subpart, a source in the subcategory of an “existing oil boiler with a heat input capacity greater than 5 MMBtu/hr that do not meet the definition of a seasonal boiler or limited use boiler” must conduct a tune-up of the boiler biennially as specified in 40 CFR § 63.11223.

**# 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Am I subject to this subpart?**

Emergency stationary RICE that meet the definition of an emergency stationary RICE in 40 CFR § 63.6675, which includes operating according to the provisions specified in 40 CFR § 63.6640(f). The following existing sources are subject to this subpart:

- (1) Emergency Generator (Source ID: 108)
- (2) Emergency Generator - Compressor Room (Source ID: 109)
- (3) Emergency Generator - Compressor Room #5 (Source ID: 119)

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 *****

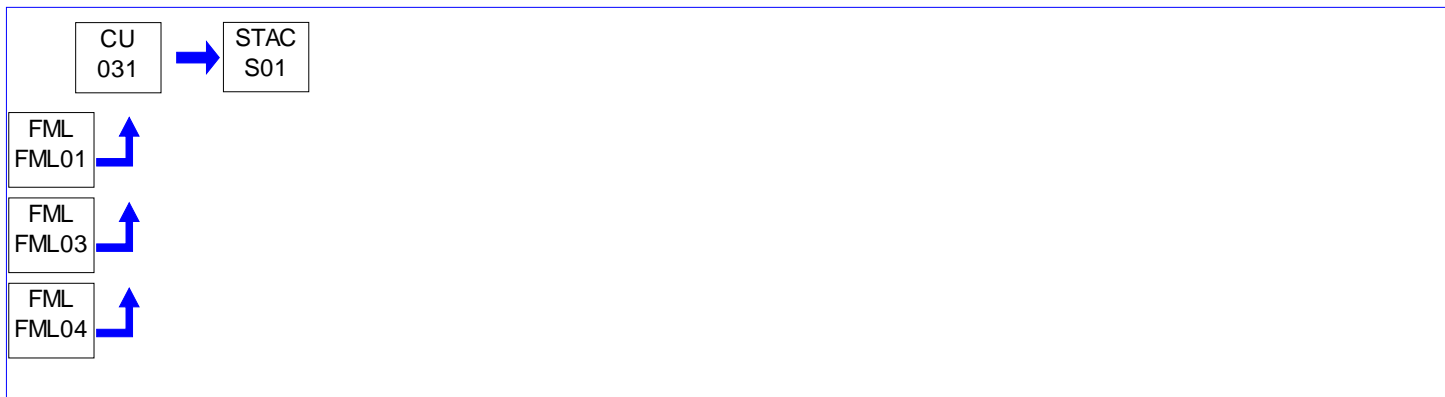
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: CLEAVER BROOKS BOILER

| | | | |
|-----------------------------|---------|----------|-------------|
| Source Capacity/Throughput: | 49.000 | MMBTU/HR | |
| | 350.000 | Gal/HR | #2 Oil |
| | 47.600 | MCF/HR | Natural Gas |
| | 530.000 | Gal/HR | Propane |

Conditions for this source occur in the following groups: 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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor, track and record, on a daily basis, the amount and type of each fuel consumed by this boiler.
- (b) The permittee shall monitor, calculate, and keep records of the emissions, on a monthly basis and on a 12-month rolling sum, in order to ensure compliance with the boiler and facility emission limitations of this Title V Operating Permit.

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

The recordkeeping requirements of this Title V Operating Permit are Federally Enforceable Recordkeeping Requirements. The permittee shall record sufficient data so that compliance with the conditions in this Title V Operating Permit can be determined. The permittee shall maintain records of the following for a minimum of five (5) years and shall be made available to the Department upon request:

- (a) The permittee shall keep records, on a monthly basis, calculated as 12-month rolling sum, of the emissions from the boiler and from the facility in order to ensure compliance with emissions limitations of this Title V Operating Permit. The permittee shall keep records on a monthly basis of its facility NO_x, SO_x, and PM emissions in order to ensure compliance with facility emission limitations.
- (b) The permittee shall maintain records, on a monthly basis, calculated as a 12-month rolling sum, of the amounts of fuels used, in order to demonstrate compliance with the fuel limitations of this Title V Operating Permit.

**SECTION D. Source Level Requirements**

(c) The permittee shall keep copies of all of the records, submittals, and certifications, which are required by this Title V Operating Permit.

(d) The permittee shall maintain records of tune-ups, repairs, part replacements, and other maintenance performed in accordance with manufacturer's specifications.

(e) The permittee shall keep all records of the testing methods and results of all of the testing required in this Title V Operating Permit.

(f) The permittee shall keep the records of the fuel sampling and testing results to demonstrate compliance with the requirements of this Title V Operating Permit.

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

(a) The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, each time a delivery is made.

(b) In the event that a fuel oil delivery is made, and the receipt does not certify the percentage of sulfur, the permittee shall conduct testing in accordance with Section C, Condition #010.

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

The permittee shall maintain records and operate this source in accordance with the manufacturer's specifications necessary to operate and maintain the affected sources and any associated devices in accordance with good operating practices and good air pollution control practices.

005 [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) and 129.93.]

(a) The permittee shall perform an annual tune-up on the combustion process for this boiler. The annual tune-up shall consist of, at a minimum, the following:

(1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable, minimize the emissions of CO.

(3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

[The more stringent requirement for an annual tuneup assures compliance with 40 CFR § 63.11223.]

(b) Each adjustment conducted under the procedures in Condition #016(a), above, shall be recorded in a permanently bound log book or other Department approved method, and contain the following:

(1) The date of the tuning procedure.

**SECTION D. Source Level Requirements**

(2) The name of the service company and technician.

(3) The final operating rate or load.

(4) The final CO and NOx emission rates.

(5) The final excess oxygen rate.

(c) The annual combustion tune-up shall be made in accordance with 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 by the Department in writing.

(d) The boiler shall be maintained and operated in accordance with the manufacturer's specifications and good engineering practices.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The Cleaver Brooks Boiler (Source ID: 031) shall not exceed 49.0 MMBtu/hr of heat input.

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

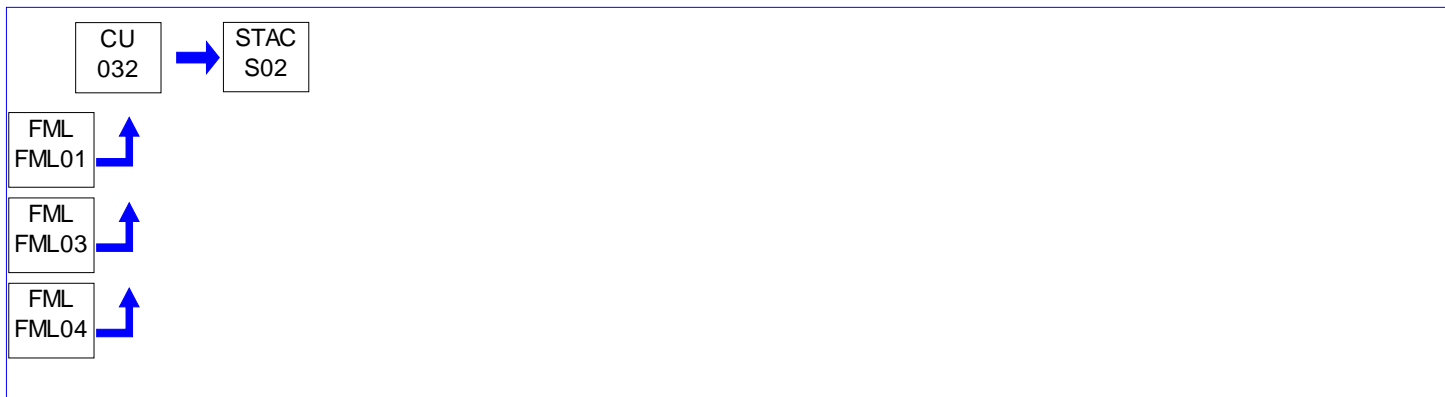
**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: KEELER BOILER 1

| | | | |
|-----------------------------|---------|----------|-------------|
| Source Capacity/Throughput: | 27.400 | MMBTU/HR | |
| | 195.000 | Gal/HR | #2 Oil |
| | 26.000 | MCF/HR | Natural Gas |
| | 290.000 | Gal/HR | Propane |

Conditions for this source occur in the following groups: 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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor, track and record, on a daily basis, the amount and type of each fuel consumed by this boiler.
- (b) The permittee shall monitor, calculate, and keep records of the emissions, on a monthly basis and on a 12-month rolling sum, in order to ensure compliance with the boiler and facility emission limitations of this Title V Operating Permit.

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

- (a) The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, each time a delivery is made.
- (b) In the event that a fuel oil delivery is made, and the receipt does not certify the percentage of sulfur, the permittee shall conduct testing in accordance with Section C, Condition #010.

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

The recordkeeping requirements of this Title V Operating Permit are Federally Enforceable Recordkeeping Requirements. The permittee shall record sufficient data so that compliance with the conditions in this Title V Operating Permit can be determined. The permittee shall maintain records of the following for a minimum of five (5) years and shall be made available to the Department upon request:

**SECTION D. Source Level Requirements**

(a) The permittee shall keep records, on a monthly basis, calculated as 12-month rolling sum, of the emissions from the boiler and from the facility in order to ensure compliance with emissions limitations of this Title V Operating Permit. The permittee shall keep records on a monthly basis of its facility NO_x, SO_x, and PM emissions in order to ensure compliance with facility emission limitations.

(b) The permittee shall maintain records, on a monthly basis, calculated as a 12-month rolling sum, of the amounts of fuels used, in order to demonstrate compliance with the fuel limitations of this Title V Operating Permit.

(c) The permittee shall keep copies of all of the records, submittals, and certifications, which are required by this Title V Operating Permit.

(d) The permittee shall maintain records of tune-ups, repairs, part replacements, and other maintenance performed in accordance with manufacturer's specifications.

(e) The permittee shall keep all records of the testing methods and results of all of the testing required in this Title V Operating Permit.

(f) The permittee shall keep the records of the fuel sampling and testing results to demonstrate compliance with the requirements of this Title V Operating Permit.

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.

004 [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) and 129.93.]

(a) The permittee shall perform an annual tune-up on the combustion process for this boiler. The annual tune-up shall consist of, at a minimum, the following:

(1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable, minimize the emissions of CO.

(3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

[The more stringent requirement for an annual tuneup assures compliance with 40 CFR § 63.11223.]

(b) Each adjustment conducted under the procedures in paragraph (a), above, shall be recorded in a permanently bound log book or other Department approved method, and contain the following:

(1) The date of the tuning procedure.

(2) The name of the service company and technician.

(3) The final operating rate or load.

(4) The final CO and NO_x emission rates.

**SECTION D. Source Level Requirements**

(5) The final excess oxygen rate.

(c) The annual combustion tune-up shall be made in accordance with 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 by the Department in writing.

(d) The boiler shall be maintained and operated in accordance with the manufacturer's specifications and good engineering practices.

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. *****

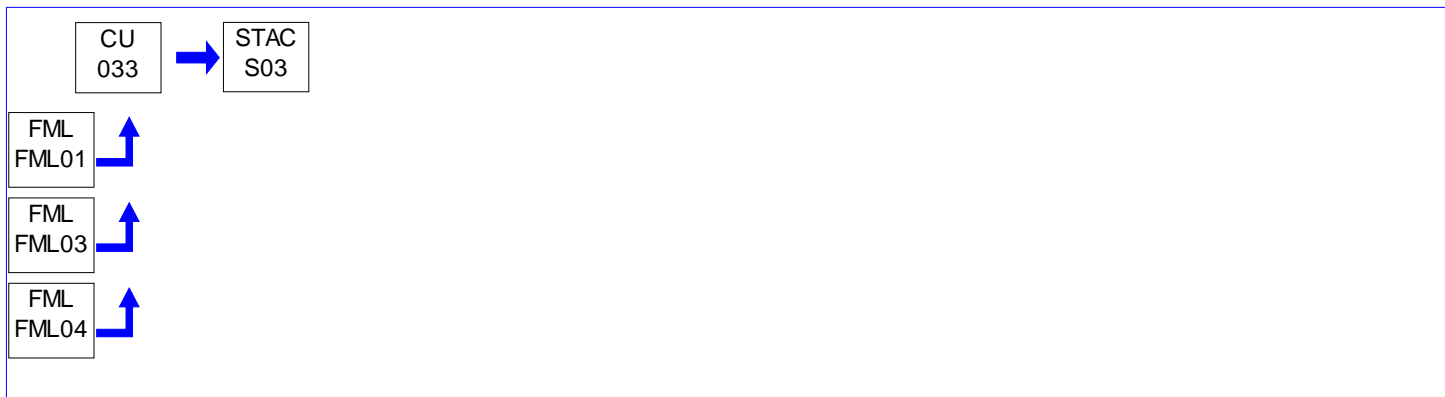
**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: KEELER BOILER 2

| | | | |
|-----------------------------|---------|----------|-------------|
| Source Capacity/Throughput: | 27.400 | MMBTU/HR | |
| | 195.000 | Gal/HR | #2 Oil |
| | 26.000 | MCF/HR | Natural Gas |
| | 290.000 | Gal/HR | Propane |

Conditions for this source occur in the following groups: 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.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor, track and record, on a daily basis, the amount and type of each fuel consumed by this boiler.
- (b) The permittee shall monitor, calculate, and keep records of the emissions, on a monthly basis and on a 12-month rolling sum, in order to ensure compliance with the boiler and facility emission limitations of this Title V Operating Permit.

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

The recordkeeping requirements of this Title V Operating Permit are Federally Enforceable Recordkeeping Requirements. The permittee shall record sufficient data so that compliance with the conditions in this Title V Operating Permit can be determined. The permittee shall maintain records of the following for a minimum of five (5) years and shall be made available to the Department upon request:

- (a) The permittee shall keep records, on a monthly basis, calculated as 12-month rolling sum, of the emissions from the boiler and from the facility in order to ensure compliance with emissions limitations of this Title V Operating Permit. The permittee shall keep records on a monthly basis of its facility NO_x, SO_x, and PM emissions in order to ensure compliance with facility emission limitations.
- (b) The permittee shall maintain records, on a monthly basis, calculated as a 12-month rolling sum, of the amounts of fuels used, in order to demonstrate compliance with the fuel limitations of this Title V Operating Permit.

**SECTION D. Source Level Requirements**

(c) The permittee shall keep copies of all of the records, submittals, and certifications, which are required by this Title V Operating Permit.

(d) The permittee shall maintain records of tune-ups, repairs, part replacements, and other maintenance performed in accordance with manufacturer's specifications.

(e) The permittee shall keep all records of the testing methods and results of all of the testing required in this Title V Operating Permit.

(f) The permittee shall keep the records of the fuel sampling and testing results to demonstrate compliance with the requirements of this Title V Operating Permit.

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

(a) The permittee shall obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, each time a delivery is made.

(b) In the event that a fuel oil delivery is made, and the receipt does not certify the percentage of sulfur, the permittee shall conduct testing in accordance with Section C, Condition #010.

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.**# 004 [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) and 129.93.]

(a) The permittee shall perform an annual tune-up on the combustion process for this boiler. The annual tune-up shall consist of, at a minimum, the following:

(1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable, minimize the emissions of CO.

(3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

[The more stringent requirement for an annual tuneup assures compliance with 40 CFR § 63.11223.]

(b) Each adjustment conducted under the procedures in paragraph (a), shall be recorded in a permanently bound log book or other Department approved method, and contain the following:

(1) The date of the tuning procedure.

(2) The name of the service company and technician.

(3) The final operating rate or load.

(4) The final CO and NO_x emission rates.

**SECTION D. Source Level Requirements**

(5) The final excess oxygen rate.

(c) The annual combustion tune-up shall be made in accordance with 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 by the Department in writing.

(d) The boiler shall be maintained and operated in accordance with the manufacturer's specifications and good engineering practices.

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. *****

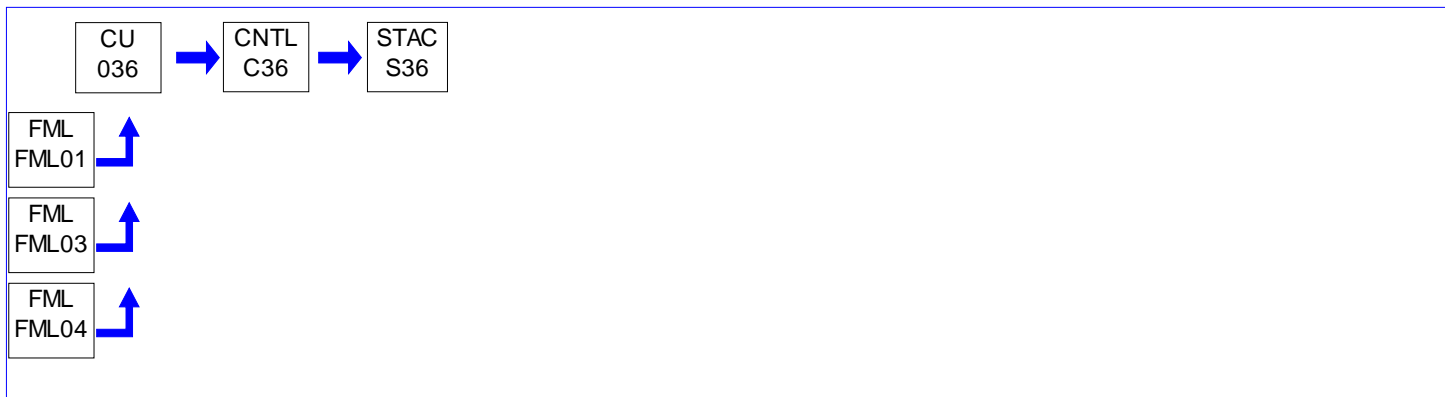
**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: JOHNSTON 49 MMBTU/HR BOILER

| | | |
|-----------------------------|-----------------|-------------|
| Source Capacity/Throughput: | 49.000 MMBTU/HR | |
| | 350.000 Gal/HR | #2 Oil |
| | 49.000 MCF/HR | Natural Gas |
| | 541.000 Gal/HR | Propane |

Conditions for this source occur in the following groups: 1

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

(a) The Johnston 49 MMBtu/hr Boiler (Source ID: 036) shall be equipped with low NOx burners and flue gas recirculation (FGR) for use in meeting emission limitations of this Title V Operating Permit.

(b) The permittee shall limit the Johnston 49 MMBtu/hr Boiler (Source ID: 036) to the following air contaminant emission rates, or lower:

(1) Nitrogen Oxides (NOx):

- (i) 74.15 tons per year, or less, calculated as a 12-month rolling sum.
- (ii) 30 ppm_{dv} NOx at 3 percent O₂, when firing natural gas, and when firing propane.
- (iii) 90 ppm_{dv} NOx at 3 percent O₂, and 5.7 pounds per hour, or less, when firing No. 2 fuel oil.

(2) Particulate Matter (PM): 86.0 tons per year, or less, calculated as a 12-month rolling sum. Particulate Matter with an aerodynamic diameter of 10 micrometer or less (PM₁₀): 18.8 tons per year, or less, calculated as a 12-month rolling sum.

(3) Sulfur Oxides (SOx): 116.1 tons per year, or less, calculated as a 12-month rolling sum.

(4) Carbon Monoxide (CO):

- (i) 62.3 tons per year, or less, calculated as a 12-month rolling sum.
- (ii) 400 ppm_{dv} CO at 3 percent O₂, when firing natural gas, and when firing propane.

(c) Except as permitted elsewhere, the Johnston 49 MMBtu/hr Boiler (Source ID: 036) shall be fired only on natural gas, propane or No. 2 commercial fuel oil to which there has been no reclaimed or waste oil or other waste materials added.

**SECTION D. Source Level Requirements****Throughput Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The Johnston 49 MMBtu/hr Boiler (Source ID: 036) shall be fired on natural gas, propane or No. 2 commercial fuel oil to which there has been no reclaimed or waste oil or other waste material added.

(b) The permittee shall limit the Johnston 49 MMBtu/hr Boiler (Source ID: 036) to the following fuel usage rates:

(1) 350 gallons per hour and 3,066,000 gallons per year, or less, of No. 2 oil which contains 0.0015 percent of sulfur, by weight or less;

(c) The permittee shall operate and maintain a non-resettable fuel meter or other equipment approved by the Department, for each fuel, on the Johnston 49 MMBtu/hr Boiler (Source ID: 036) in order to determine compliance with the above fuel limitations and in order to determine the actual atmospheric emissions.

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The fuel samplings shall be performed in accordance with 40 CFR §§ 60.46c(d)(1) and 60.46c(d)(2) for No. 2 fuel oil.

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

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

In accordance with 40 CFR § 60.47c(a), the owner or operator of an affected facility subject to an opacity standard in 40 CFR § 60.43c(c) that is not required to use a COMS due to paragraphs (c), (d), (e), or (f) of this section that elects not to use a COMS shall conduct a performance test using Method 9 of appendix A-4 of this part and the procedures in 40 CFR § 60.11 to demonstrate compliance with the applicable limit in 40 CFR § 60.43c, within 45 days of stopping use of an existing COMS, or within 180 days after initial startup of the facility, whichever is later, and shall comply with either paragraphs (a)(1), (a)(2), or (a)(3) of this section. The observation period for Method 9 of appendix A-4 of this part performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

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

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

(a) In accordance with 40 CFR § 60.48c(g), the permittee shall track and record, on a daily basis, the boiler's consumption of each fuel.

(b) The permittee shall calculate and monitor the emissions, on a monthly basis, in order to ensure compliance with the Johnston Boiler and facility emission limitations of this Title V Operating Permit.

(c) The permittee shall monitor, on a daily basis, the amounts of natural gas, propane and No. 2 fuel oil used. The permittee shall calculate the amounts of each fuel used as a 12-month rolling sum.

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

(a) For No. 2 fuel oil, the permittee shall comply with the recordkeeping and certification requirements of 40 CFR §§ 60.42c(h)(1), 60.48(c)(e)(11) and 60.48c(f)(1)(i) -- (iii).

**SECTION D. Source Level Requirements**

(b) The permittee shall maintain daily fuel consumption records in accordance with 40 CFR § 60.48c(g).

007 [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) and 40 CFR 60, Subpart Dc.]

The recordkeeping requirements of this Title V Operating Permit are Federally Enforceable Recordkeeping Requirements. The permittee shall record sufficient data so that compliance with the conditions in this Title V Operating Permit can be determined. The permittee shall maintain records of the following for a minimum of five (5) years and shall be made available to the Department upon request.

(a) The permittee shall keep records, on a monthly basis, and calculated as 12-month rolling sum, of the emissions from the boiler and from the facility in order to ensure compliance with emissions limitations of this Title V Operating Permit. The permittee shall keep records on a monthly basis of the facility NO_x, SO_x, and PM emissions in order to ensure compliance with facility emission limitations.

(b) The permittee shall maintain records, on a monthly basis, calculated as a 12-month rolling sum, of the amounts of fuels used, in order to demonstrate compliance with the fuel limitations of this Title V Operating Permit.

(c) The permittee shall keep the records of the fuel supplier certifications for No. 2 oil fuel to demonstrate compliance with the requirements of this Title V Operating Permit.

(d) The permittee shall keep copies of all of the records, submittals, and certifications, which are required by this Title V Operating Permit.

(e) The permittee shall keep the daily records of each fuel used, as required by 40 CFR § 60.48c(g).

(f) The permittee shall maintain records of tune-ups, repairs, part replacements, and other maintenance performed in accordance with manufacturer's specifications.

(g) The permittee shall keep the records of the fuel sampling and testing results to demonstrate compliance with the requirements of this Title V Operating Permit.

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

For each adjustment conducted under the tune-up procedures for this source, shall be recorded in a permanently bound log book, or other method approved by the Department, and contain the following:

- (a) The date of the tuning procedure.
- (b) The name of the service company and technician.
- (c) The final operating rate or load.
- (d) The final NO_x, CO, SO_x and PM emission rates.
- (6) The final excess oxygen rate.

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

When firing No. 2 fuel oil, the permittee shall comply with the certification requirements of 40 CFR §§ 60.42(c)(h)(1), 60.48(c)(e)(11) and 60.48(c)(f)(1)(i)--(iii) for sulfur oxides (SO_x).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Semiannually reports shall be submitted in accordance with 40 CFR §§ 60.48c(d), 60.48c(e), 60.48c(f)(1), 60.48c(g), 60.48c(i) and 60.48c(j). All reports shall be postmarked by the 30th day following the end of the six-month reporting period.

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

Director, Air Protection Division
U.S. EPA, Region III
Code 3AP00
1650 Arch Street
Philadelphia, PA 19103-2029

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall comply with the following requirements of 40 CFR 60, Subpart Dc for the Johnston 49 MMBtu/hr Boiler (Source ID: 036):

(a) The permittee shall operate and maintain the necessary meter(s) to determine and to record the amounts of each fuel usage.

(b) The permittee shall comply with the requirements of 40 CFR § 60.42c(d) (Standard for Sulfur Dioxide) and 40 CFR §§ 60.43c(c) and 60.43c(d) (Standard for Particulate Matter).

012 [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) The permittee shall perform an annual tune-up on the combustion process for this source. The annual tune-up shall consist of, at a minimum, the following:

(1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable, minimize the emissions of CO.

(3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

[The more stringent requirement for an annual tuneup assures compliance with 40 CFR § 63.11223.]

(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-3401/1-83-023) or equivalent procedures approved by the Department in writing.

(c) Each adjustment done under the procedures in paragraph (a) shall be recorded in a permanently bound logbook or by another method approved by the Department and shall include the following:

(1) The date of the tuning procedure.

**SECTION D. Source Level Requirements**

- (2) The name of the service company and technicians.
- (3) The final operating rates or loads.
- (4) The final CO and NOx emission rates.
- (5) The final excess oxygen rates
- (d) The boiler shall be maintained and operated in accordance with the manufacturer's specifications and good engineering practices.

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: 101

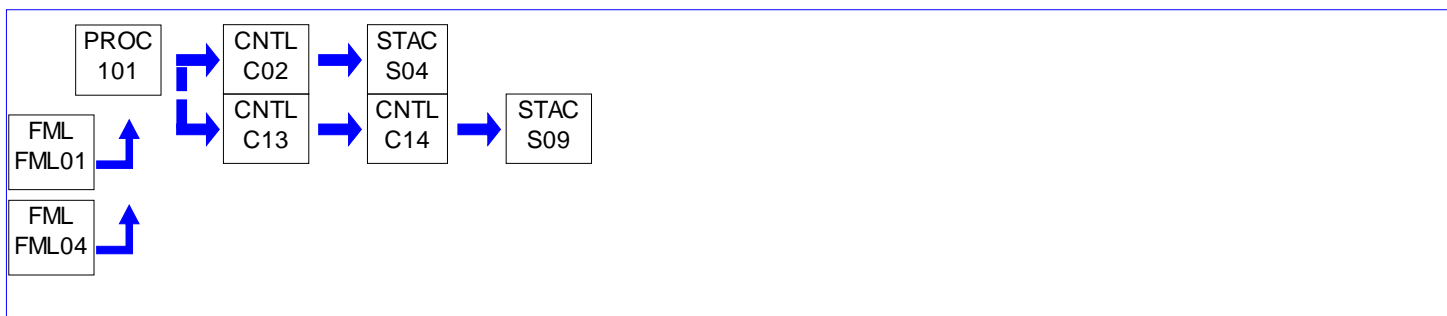
Source Name: RENDERING PROCESS EQUIPMENT

Source Capacity/Throughput: 3,000.000 CF/HR

Natural Gas

33.000 Gal/HR

Propane

**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 this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

002 [25 Pa. Code §123.31]

Limitations

No person may permit the emission into the outdoor atmosphere of particulate matter that the concentration of particulate matter in the effluent gas exceeds 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The NO_x emissions from the Rotary Drum Blood Dryer (Source ID: 105) shall not exceed 2.0 tons in any consecutive 12 month period.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only natural gas and propane as fuels for the Rotary Drum Blood Dryer (Source ID: 105).

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the Rotary Drum Blood Dryer (Source ID: 105), the permittee shall record the fuel usage and fuel type on a monthly

**SECTION D. Source Level Requirements**

basis. These records shall be used to calculate and demonstrate compliance with the rolling emission limit for the site and 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.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Venturi Scrubber (Source ID: C13) and the Packed Tower Scrubber (Source ID: C14) will control odors and particulate matter emissions from the following sources associated with the Rendering Process Equipment (Source ID:101):

- (a) Inedible Cooker / Press Source ID:103)
- (b) Hair Hydrolizer / Coagulator (Source ID:104)
- (c) Blood Dryer, Rotary Drum (Source ID:105)
- (d) Inedible Cooker /Press (Source ID:124)
- (e) Blood Centrifuge
- (f) Blood Tank
- (g) Percolator / Drainer for Existing Cooker
- (i) Rotary Screen for New Cooker
- (j) Fat Centrifuge
- (k) Crax Bin

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

The permittee shall develop an odor management plan (OMP) and submit it to the Department for approval.

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

- (a) The permittee shall ensure that the Inedible Cooker/Press (Source ID: 124) shall be equipped with a programmable interlock system that will only allow the operation of either the primary unit or the back-up cooker/press (Source ID: 103).
- (b) In the event of a cooker switch, the permittee is allowed to fill the back-up cooker/press (Source ID: 103) until the primary operating cooker (Source ID: 124) is shut down. In the event of a cooker switch, the permittee shall perform the same monitoring and recordkeeping for the back-up cooker (Source ID: 103) as for the primary unit.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Inedible Cooker/Press (Source ID: 124) is manufactured by Haarslev, Inc., model number HM 2064. The unit has a maximum rated throughput of 36,771 lb/hr.

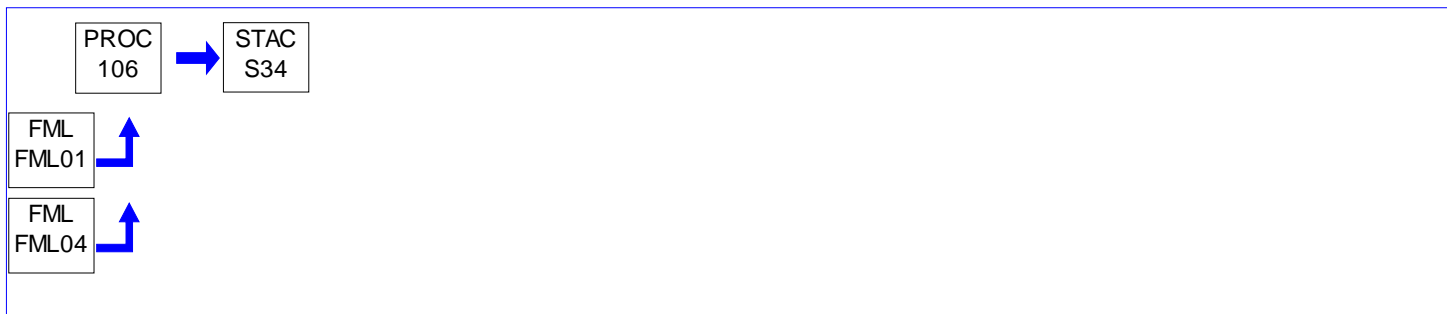
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: MISC. HEATERS (PRE 1999)

| | | |
|-----------------------------|----------------|-------------|
| Source Capacity/Throughput: | 21.300 MCF/HR | Natural Gas |
| | 235.000 Gal/HR | Propane |

**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(s), in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source(s) in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

[Additional authority for this permit condition is also derived from 25 Pa code § 129.91.]

The total NO_x emissions from the miscellaneous unit heaters (Source ID: 106) shall not exceed 8.9 tons in any consecutive 12-month period.

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

The permittee shall use only natural gas or propane as fuel for the miscellaneous unit heaters (Source ID: 106).

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

The permittee shall monitor, using a Department-approved method, the amount and type of fuel used by the miscellaneous unit heaters (Source ID: 106), on a monthly basis.

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

The permittee shall record the amount and type of fuel used by miscellaneous unit heaters (Source ID: 106), on a monthly basis.

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

The permittee shall calculate and maintain records, on monthly basis and as a 12-month rolling sum, of the NOx emissions from the miscellaneous unit heaters (Source ID: 106).

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

The miscellaneous unit heaters (Source ID: 106) is comprised of eighty-five (85) individual combustion sources.

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

**SECTION D. Source Level Requirements**

Source ID: 108

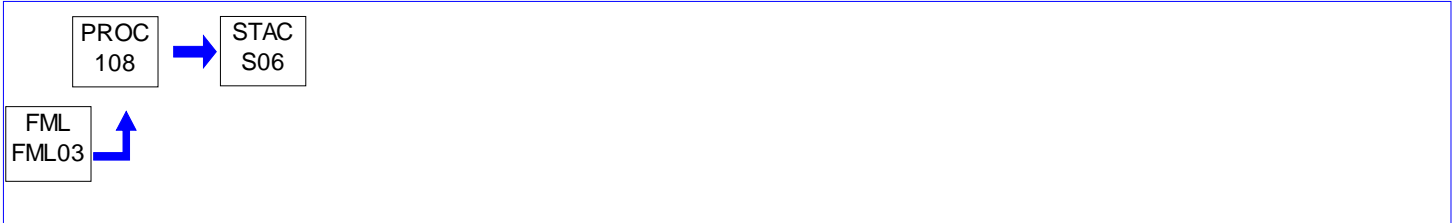
Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput:

7.200 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: 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: 109

Source Name: EMERGENCY GENERATOR-COMPRESSOR ROOM

Source Capacity/Throughput:

0.426 MMBTU/HR

4.200 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: 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: 114

Source Name: SINGER 1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 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.

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: 115

Source Name: SINGER 2

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 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.

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: 116

Source Name: MISC. HEATERS 2 (POST 1999)

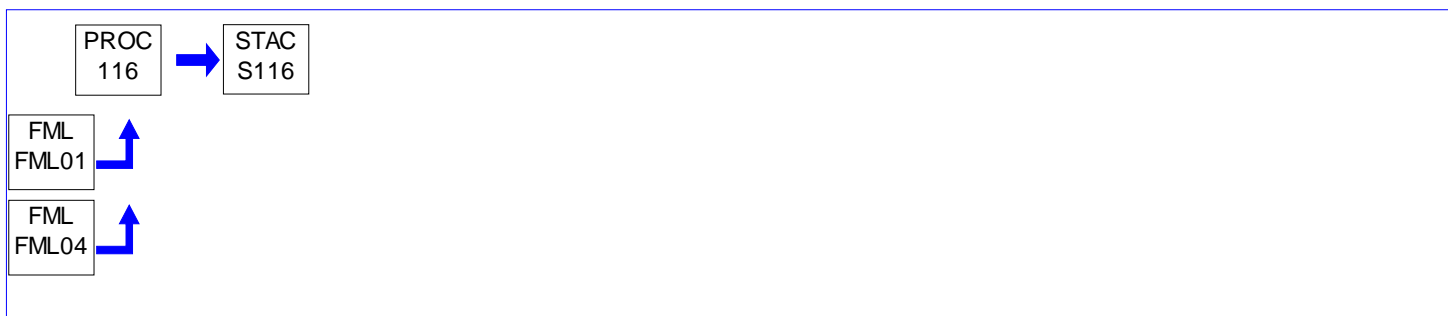
Source Capacity/Throughput:

153.000 Gal/HR

Propane

13.900 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only natural gas or propane shall be used in the operation of any of the miscellaneous unit heaters (Source ID: 116).

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.

The permittee shall monitor, using a Department approved method, the amount and type of fuel used by the miscellaneous unit heaters (Source ID: 116), on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount and type of fuel used by the miscellaneous unit heaters (Source ID: 116), on a monthly basis.



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93(c).]

The miscellaneous unit heaters (Source ID: 116) shall be operated and maintained in accordance with manufacturer's specifications, and good operating practices.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The nineteen (19) individual units in this source have been exempted from plan approval requirements through Request For Determinations (RFD) and are listed in Section G (Miscellaneous).

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

**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: AMMONIA REFRIGERATION

Source Capacity/Throughput:

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.

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

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 D. Source Level Requirements**

Source ID: 119

Source Name: EMERGENCY GENERATOR - COMPRESSOR RM. #5

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 excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that all on-site emergency generators, exempted from plan approval construction installation, and activation requirements, shall comply with the following NO_x emission limitation:

Internal combustion engines regardless of size, with combined NO_x emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall use only diesel fuel as fuel for this source.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the NO_x and VOC emissions from the Emergency Generator - Compressor Rm. #5 (Source ID: 119) on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall monitor the hours of operation from the Emergency Generator - Compressor Rm. #5 (Source ID: 119) on a monthly basis.

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

(a) The permittee shall maintain records of the NO_x and VOC emissions from the Emergency Generator Rm. #5 (Source ID: 119) on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall maintain records of the hours of operation from the Emergency Generator - Compressor Rm. #5 (Source ID: 119) on a monthly basis.

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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall maintain and operate an hour meter on the Emergency Generator - Compressor Rm. #5 (Source ID: 119).

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

Additional requirements for this source are also listed in Section D, Source ID: 999 (40 CFR 63, Subpart ZZZZ).

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

**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: EMERGENCY GENERATOR - WAREHOUSE

Source Capacity/Throughput:

0.229 MMBTU/HR

6.900 Gal/HR

Diesel Fuel

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that all on-site emergency generators, exempted from plan approval construction installation, and activation requirements, shall comply with the following NO_x emission limitation:

Internal combustion engines regardless of size, with combined NO_x emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall use only diesel fuel as fuel for this source.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the NO_x and VOC emissions from the Emergency Generator - Warehouse (Source ID: 120) on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall monitor the hours of operation from the Emergency Generator - Warehouse (Source ID: 120) on a monthly basis.

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

(a) The permittee shall maintain records of the NO_x and VOC emissions from the Emergency Generator - Warehouse (Source ID: 120) on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall maintain records of the hours of operation from the Emergency Generator -Warehouse (Source ID: 120) on a monthly basis.

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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall maintain and operate an hour meter on the Emergency Generator - Warehouse (Source ID: 120).

VII. ADDITIONAL REQUIREMENTS.**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Am I subject to this subpart?**

(a) The provisions of 40 CFR 60, Subpart III are applicable to the owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005, and were Manufactured after April 1, 2006.

(b) The 100-kW diesel fuel-fired Emergency Generator – Warehouse (Source ID: 120) is subjected to this subpart.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?**

Stationary CI ICE with a maximum engine power greater than or equal to 37 KW (50 HP), must comply with the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR § 89.112 for all pollutants beginning in model year 2007.

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?**

As pursuant §40 CFR 89.112, exhaust emission from nonroad engines to which is applicable shall not exceed the following applicable exhaust emission standards from Table 1:

Table 1. - Emissions Standards (g/kW-hr)

| Rated Power (kW) | Tier | Model Year | NMHC + NO _x | CO | PM |
|------------------|--------|------------|------------------------|-----|------|
| 75<kW<130 | Tier 3 | 2007 | 4.0 | 5.0 | 0.30 |

**SECTION D. Source Level Requirements****# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

(a) The owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR § 80.510(b) for nonroad (NR) diesel fuel, except that any existing diesel fuel purchased or otherwise obtained prior to October 1, 2010, may be used until depleted.

(b) As pursuant 40 CFR § 80.510(b), all non-road (NR) diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content of 15 ppm maximum for NR diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter on the engine.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The owner or operator of an emergency stationary ICE must operate the emergency stationary ICE according to the requirements in paragraphs (1) and (2). In order for the engine to be considered an emergency stationary ICE under this subpart, 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 (1) and (2) is prohibited. If the engine is not operated according to the requirements in paragraphs (1) and (2), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) The emergency stationary ICE may be operated for any combination of the purposes specified in paragraph (2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) 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.

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

Starting with the model years in Table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the

**SECTION D. Source Level Requirements**

engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

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

**SECTION D. Source Level Requirements**

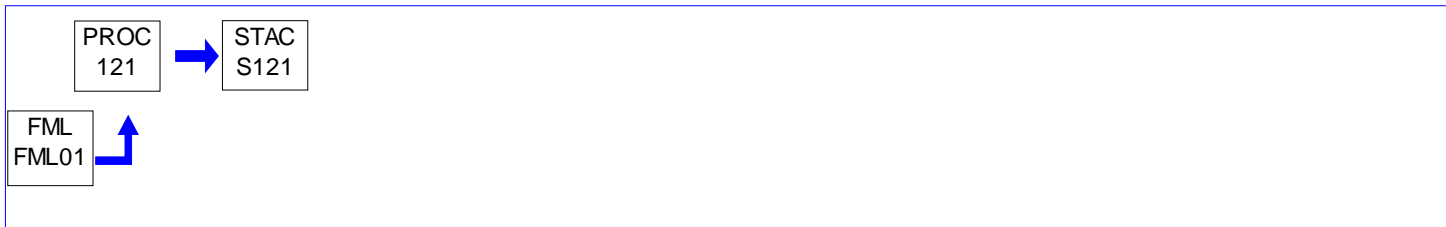
Source ID: 121

Source Name: SMOKEHOUSE BURNERS (4)

Source Capacity/Throughput: 14.000 MMBTU/HR

N/A

OFFAL

**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 excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

The permittee shall use only natural gas as fuel for this source.

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.

The permittee shall monitor the combined NO_x and VOC emissions from these units on a monthly basis and as a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the combined NO_x and VOC emissions from these units on a monthly basis and as a 12-month rolling sum.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level 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 D. Source Level Requirements**

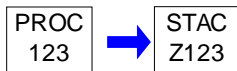
Source ID: 123

Source Name: AUTOBODY SHOP AND TRUCK PAINTING AREA

Source Capacity/Throughput:

1.000 Gal/HR

VOC PAINT

**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 §129.75]****Mobile Equipment Repair and Refinishing**

(a) A person who provides mobile equipment repair and refinishing coatings subject to this section shall provide documentation concerning the VOC content of the coatings calculated in accordance with the following:

(1) The mass of VOC per combined volume of VOC and coating solids, less water and exempt compounds, shall be calculated by the following equation:

$$\text{VOC} = (Wv - Ww - Wec) \div (V - Vw - Vec)$$

where:

VOC = VOC content in grams per liter (g/l) of coating less water and non-VOC solvents.

Wv = Mass of total volatiles, in grams.

Ww = Mass of water, in grams.

Wec = Mass of exempt compounds, in grams.

V = Volume of coating, in liters.

Vw = Volume of water, in liters.

Vec = Volume of exempt compounds, in liters.

To convert from grams per liter to pounds per gallon (lb/gal), multiply the result (VOC content) by 8.345×10^{-3} (lb/gal/g/l).

(b) The VOC content of a multistage topcoat shall be calculated by the applicable equation from 25 Pa. Code §129.75(d)(2).

(b) The permittee shall maintain, on site and in an approved format, the documentation concerning the VOC content of the coating calculated in accordance with the equations in 25 Pa. Code § 129.75(d)(1) and (d)(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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §129.75]****Mobile Equipment Repair and Refinishing**

(a) Except as provided in paragraph (b), this section applies to a person who applies mobile equipment repair and refinishing or color matched coatings to mobile equipment or mobile equipment components.

(b) This section does not apply to a person who applies surface coatings to mobile equipment or mobile equipment components under one of the following circumstances:

(1) The surface coating process is subject to the miscellaneous metal parts finishing requirements of 25 Pa. Code § 129.52 (relating to surface coating processes).

(2) The surface coating process is at an automobile assembly plant.

(3) The person applying the coatings does not receive compensation for the application of the coatings.

003 [25 Pa. Code §129.75]**Mobile Equipment Repair and Refinishing**

The owner and operator of a facility subject to this section shall implement the following housekeeping and pollution prevention and training measures:

(a) Fresh and used coatings, solvent and cleaning solvents shall be stored in nonabsorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying

(b) Cloth and paper, or other absorbent applicators, moistened with coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, nonleaking containers.

(c) Handling and transfer procedures shall minimize spills during the transfer of coatings, solvents and cleaning solvents through the use of devices including pumps or spouts on larger containers.

(d) Ensure that a person who applies mobile equipment repair and refinishing coatings has completed training in the proper use and handling of the mobile equipment repair and refinishing coatings, solvents and waste products to minimize the emission of air contaminants and to comply with this section.

004 [25 Pa. Code §129.75]**Mobile Equipment Repair and Refinishing**

A person may not apply to mobile equipment or mobile equipment components any automotive pretreatment, automotive primer-surfacer, automotive primer-sealer, automotive topcoat and automotive specialty coatings including any VOC-containing materials added to the original coating supplied by the manufacturer, that contain VOC's in excess of the limits specified in Table III.

Table III
Allowable Content of VOCs in Mobile Equipment Repair and Refinishing Coatings
Allowable VOC Content (as applied)
Weight of VOC per Volume of Coating (minus water and non-VOC solvents)

| Limit | Pounds per Gallon | Grams per liter |
|--------------------------------|-------------------|-----------------|
| Coating Type | | |
| Automotive pretreatment primer | 6.5 | 780 |
| Automotive primer-surface | 4.8 | 575 |
| Automotive primer-sealer | 4.6 | 550 |
| Automotive topcoat | | |
| single stage-topcoat | 5.0 | 600 |
| 2 stage basecoat/clearcoat | 5.0 | 600 |

**SECTION D. Source Level Requirements**

| | | |
|---------------------------------|-----|-----|
| 3 or 4-stage basecoat/clearcoat | 5.2 | 625 |
| Automotive multicolored topcoat | 5.7 | 680 |
| Automotive specialty | 7.0 | 840 |

005 [25 Pa. Code §129.75]**Mobile Equipment Repair and Refinishing**

(a) A person at a facility subject to this section shall use one or more of the following application techniques to apply any finish material listed in Table III:

- (1) Flow/curtain coating.
- (2) Dip coating.
- (3) Roller coating.
- (4) Brush coating.
- (5) Cotton-tipped swab application.
- (6) Electrodeposition coating.
- (7) High volume low pressure (HVL) spraying.
- (8) Electrostatic spray.
- (9) Airless spray.
- (10) Other coating application method that the person demonstrates and the Department determines achieves emission reductions equivalent to HVL or electrostatic spray application methods.

(b) The following situations are exempt from the application equipment requirements in paragraph (a):

- (1) The use of airbrush application methods for stenciling, lettering and other identification markings.
- (2) The application of coatings sold in nonrefillable aerosol containers.
- (3) Automotive touch-up repair.

(c) Spray guns used to apply mobile equipment repair and refinishing coatings shall be cleaned by one of the following:

- (1) An enclosed spray gun cleaning system that is kept closed when not in use.
- (2) Unatomized discharge of solvent into a paint waste container that is kept closed when not in use.
- (3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.
- (4) Atomized spray into a paint waste container that is fitted with a device designed to capture atomized solvent emissions.

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: 999

Source Name: 40 CFR 63, SUBPART ZZZZ

Source Capacity/Throughput:

N/A

Diesel Fuel

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.

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

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.**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. The subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

The following sources are categorized as stationary reciprocating internal combustion engines (RICE), located at an area source of hazardous air pollutants (HAPs) and are subjected to the provisions of 40 CFR 63, Subpart ZZZZ:

(1) Emergency Generator (Source ID: 108)

(2) Emergency Generator – Compressor Room (Source ID: 109)

**SECTION D. Source Level Requirements**

(3) Emergency Generator – Compressor Room #5 (Source ID: 119)

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

The owner or operator of an existing stationary CI RICE located at an area source of HAP emissions, must comply with the applicable emission limitations, operating limitations, and other requirements of the subpart no later than May 3, 2013.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]

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

What fuel requirements must I meet if I own or operate an existing stationary CI RICE?

(a) Beginning January 1, 2015, the owner or operator of an existing emergency CI stationary RICE with a site rating of more than 100 brake HP (75 kW) and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR § 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in 40 CFR § 63.6640(f)(4)(ii), must use diesel fuel that meets the requirements in 40 CFR § 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased or otherwise obtained prior to January 1, 2015, may be used until depleted.

(b) As pursuant 40 CFR § 80.510(b), all non-road (NR) diesel fuel is subject to the following per-gallon standards:

- (1) Sulfur content of 15 ppm maximum for NR diesel fuel.
- (2) Cetane index or aromatic content, as follows:
 - (i) A minimum cetane index of 40; or
 - (ii) A maximum aromatic content of 35 volume percent.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6612]

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

By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake (please see below)

(a) The owner or operator of an existing stationary RICE located at an area source of HAP emissions must conduct any initial performance test or other initial compliance demonstration according to Tables 4 and 5 to this subpart that apply within 180 days after the compliance date that is specified for the stationary RICE in 40 CFR § 63.6595 and according to the provisions in 40 CFR § 63.7(a)(2).

(b) The owner or operator is not required to conduct an initial performance test on a unit for which a performance test has been previously conducted, but the test must meet all of the conditions described in paragraphs (b)(1) through (b)(4).

- (1) The test must have been conducted using the same methods specified in this subpart, and these methods must have been followed correctly.
- (2) The test must not be older than 2 years.
- (3) The test must be reviewed and accepted by the Administrator.
- (4) Either no process or equipment changes must have been made since the test was performed, or the owner or operator must be able to demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process or equipment changes.

**SECTION D. Source Level Requirements****# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

The owner or operator of emergency stationary RICE must operate the emergency stationary RICE according to the requirements in paragraphs (1) and (2). In order for the engine to be considered an emergency stationary RICE under the subpart, 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 (1) and (2) is prohibited. If the engine is not operated according to the requirements in paragraphs (1) and (2), the engine will not be considered an emergency engine under the subpart and then must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) The emergency stationary RICE may be operated for any combination of the purposes specified in paragraph (2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) counts as part of the 100 hours per calendar year allowed by paragraph (2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What definitions apply to this subpart?**

Emergency stationary RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in 40 CFR § 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in 40 CFR § 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.

(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in 40 CFR § 63.6640(f).

(3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in 40 CFR § 63.6640(f)(4)(i) or (ii).

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2d]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions**

The owner or operator of existing stationary RICE located at area sources of HAP emissions must comply with the following requirements:

(1) Change the oil and filter every 500 hours of operation or annually, whichever comes first*.

**SECTION D. Source Level Requirements**

(2) Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and,

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

[Note: Facilities have the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart.]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]

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

Table 6 to Subpart ZZZZ of Part 63.-- Continuous Compliance With Emission Limitations and Operating Limitations

The owner or operator of existing stationary RICE located at area sources of HAP emissions must comply with the following requirements:

(1) Operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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

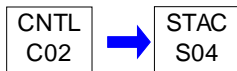
**SECTION D. Source Level Requirements**

Source ID: C02

Source Name: PACKED TOWER SCRUBBER

Source Capacity/Throughput:

N/A

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

The permittee shall monitor the following parameters for the Packed Tower Scrubber (Source ID: C02), for each operating shift, using Department approved methods:

- (a) pH value.
- (b) chlorine content, measured as ORP (Oxidation Reduction Potential) in millivolts (MV).
- (c) pressure drop.
- (d) recirculation flow rate.

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

The permittee shall maintain records of the following parameters for the Packed Tower Scrubber (Source ID: C02), for each operating shift:

- (a) pH value.
- (b) chlorine content (e.g., sodium hypochlorite solution), measured as ORP in MV.
- (c) pressure drop.
- (d) recirculation flow rate.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall operate the Packed Tower Scrubber (Source ID: C02) in accordance with the following minimum operating parameters:

- (a) pressure drop of 3.2" (water gauge).
- (b) recirculation water flow rate of 650 gallons per minute.
- (c) pH of water going to the scrubber. 8.5.
- (d) Sodium hypochlorite, or equivalent, solution with ORP of 600 MV (chlorine content).

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

The permittee shall ensure that a flow meter has been installed and is maintained and operated on the water line to the Packed Tower Scrubber (Source ID: C02).

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

The existing packed tower scrubber (Source ID: C02) will operate to control general room air of the Rendering Process Equipment (Source ID: 101).

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

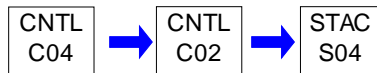
**SECTION D. Source Level Requirements**

Source ID: C04

Source Name: CONDENSER

Source Capacity/Throughput:

N/A

**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.

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

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. *****

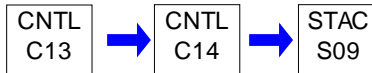
**SECTION D. Source Level Requirements**

Source ID: C13

Source Name: VENTURI SCRUBBER

Source Capacity/Throughput:

N/A

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

The permittee shall ensure that the Venturi Scrubber (Source ID: C13) shall maintain a particulate matter control efficiency of 99%, when operating.

[Compliance with this streamlined condition also assures compliance with the particulate matter emission limit (e.g., 0.04 gr/dscf) in Condition #001 for Source ID: 101.]

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

(a) The permittee shall perform a stack test at the common stack (Source ID: S09) using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at normal or average load operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack testing manual has been revised since approval, a new protocol must be submitted for approval. Source testing shall be performed for particulate matter to determine compliance with the emission limit of 0.04 gr/dscf in the exhaust and the control devices combined particulate matter control efficiency.

(b) 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.

(c) The stack test shall, at a minimum, test for particulate matter. Tests shall be conducted in accordance with the provisions of EPA Method 5-Determination of Particulate Matter Emissions from Stationary Sources, EPA Method 5I-Determination of Low Level Particulate Emissions from Stationary Sources, or other Department approved methodology and 25 Pa. Code Chapter 139.

(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) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

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

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

The permittee shall monitor the Venturi Scrubber (Source ID: C13) for the following parameters, each operating shift, using Department approved methods:

- (a) pressure drop.
- (b) total water flow rate.

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

The permittee shall maintain records of the following parameters for the Venturi Scrubber (Source ID: C13), each operating shift:

- (a) pressure drop.
- (b) total water flow rate.

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

(a) The permittee shall operate the Venturi Scrubber (Source ID: C13) in accordance with the following operating parameters:

- (i) a minimum pressure drop of 5.0" water.
- (ii) total minimum water flow rate of 120 gallons per minute (gpm).

(b) The Department reserves the right to modify the operating parameters listed above, based upon the source stack test results and monitoring data.

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

The permittee shall ensure that the odor control system (e.g., Packed Tower Scrubber (Source ID: C14) will be used whenever Rendering Process Equipment (Source ID: 101) are operating.

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. *****

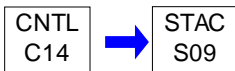
**SECTION D. Source Level Requirements**

Source ID: C14

Source Name: PACKED TOWER SCRUBBER

Source Capacity/Throughput:

N/A

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.31]****Limitations**

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

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 following parameters for the Packed Tower Scrubber (Source ID: C14), for each operating shift, using Department approved methods:

- (a) pressure drop.
- (b) recirculation flow rate.
- (c) pH of water.
- (d) sodium hypochlorite solution (chlorine content), measured as ORP in MV.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the following parameters for the Packed Tower Scrubber (Source ID: C14), for each operating shift:

- (a) pressure drop.
- (b) recirculation flow rate.
- (c) pH of water.
- (d) sodium hypochlorite solution (chlorine content), measured as ORP in MV.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the odor control system (e.g., Packed Tower Scrubber (Source ID: C14) will be used whenever the Rendering Plant (Source ID: 101) is operating.

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

(a) The permittee shall operate the Packed Tower Scrubber (Source ID: C14) in accordance with the following operating parameters:

(i) minimum pressure drop: 0.75" water.

(ii) minimum recirculation water flow rate: 120 gallons per minute (gpm).

(iii) minimum pH of water going to the scrubber: 8.5.

(iv) sodium hypochlorite solution (chlorine content) with ORP of 600 MV or an equivalent scrubbing solution, upon approval by the Department.

(v) retention time: 1.2 seconds.

(b) The Department reserves the right to modify the operating parameters listed above, based upon the source stack test results and monitoring data.

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

The permittee shall ensure that an indicator gauge (i.e., flow meter) has been installed and is maintained and operated on the water line to the Packed Tower Scrubber (Source ID: C14) to measure the recirculation flow rate.

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: 1

Group Description: Oil-fired Combustion Units

Sources included in this group

| ID | Name |
|-----|-----------------------------|
| 031 | CLEAVER BROOKS BOILER |
| 032 | KEELER BOILER 1 |
| 033 | KEELER BOILER 2 |
| 036 | JOHNSTON 49 MMBTU/HR BOILER |

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 the rate of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

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

No person may 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, pursuant to 25 Pa. Code §123.22(e)(1).

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

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil for use in combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur excess of 15 ppm or 0.0015% by weight sulfur content for No. 2 fuel oil, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

[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.]and sometimes with federal regulation 40 CFR § 60.42c(d) .]

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §123.22]****Combustion units**

The actual sulfur content of commercial fuel oil shall be determined:

(a) in accordance with the sample collection, test methods and procedures specified under 25 Pa. Code § 139.16 (relating to sulfur in fuel oil); or

(b) by other methods developed or approved by the Department or the Administrator of the EPA, or both.

005 [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).

**SECTION E. Source Group Restrictions.**

(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.

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

V. REPORTING REQUIREMENTS.**# 006 [25 Pa. Code §123.22]****Combustion units**

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):

(a) The date of the sale or transfer.

(b) The name and address of the transferor.

(c) The name and address of the transferee.

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

(e) 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) and § 139.16, expressed as one of the following statements:

a. 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.”

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

007 [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)

008 [25 Pa. Code §139.16]**Sulfur in fuel oil.**

Results of the fuel oil sulfur test shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

**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).

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: 2

Group Description: Emergency Generators

Sources included in this group

| ID | Name |
|-----|-------------------------------------|
| 108 | EMERGENCY GENERATOR |
| 109 | EMERGENCY GENERATOR-COMPRESSOR ROOM |

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 excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

[Additional authority for this permit condition is also derived from 25 Pa Code § 127512(h).]

The aggregate, combined NO_x emissions for the emergency generators (Source ID(s): 108 and 109) shall not exceed 3.7 tons in any consecutive 12-month period.

Operation Hours Restriction(s).**# 004 [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 operate the emergency generator no more than 500 hours in any consecutive 12-month period.

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

(a) The permittee shall monitor the aggregate, combined NO_x emissions for the emergency generators (Source ID(s): 108 and 109), monthly and on a 12-month rolling sum basis.

(b) The permittee shall monitor the elapsed run time for this emergency generator on a monthly basis.

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

(a) The permittee shall calculate and maintain records of the aggregate, combined NO_x emissions for the emergency generators (Source ID(s): 108 and 109), monthly and on a 12-month rolling sum basis.

(b) The permittee shall record, on a monthly basis, the hours operated for the purposes specified in 40 CFR §63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation.

**SECTION E. Source Group Restrictions.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may obtain from the fuel oil supplier, a delivery receipt that certifies the percentage of sulfur, by weight, each time a delivery is made.

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

Additional requirements for this source are also listed in Section D, Source ID: 999 (40 CFR 63, Subpart ZZZZ).

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

**SECTION E. Source Group Restrictions.**

Group Name: 3

Group Description: Singers

Sources included in this group

| ID | Name |
|-----|----------|
| 114 | SINGER 1 |
| 115 | SINGER 2 |

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only natural gas or propane shall be used in the operation of this source.

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.

The amount and type of fuel used shall be monitored on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The amount and type of fuel used shall be recorded on a monthly basis.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93(c).]

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

**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).

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

| Source Id | Source Description | | |
|-----------------------|-----------------------------|--|------|
| 031 | CLEAVER BROOKS BOILER | | |
| Emission Limit | | | |
| 1.200 | Lbs/MMBTU | | SOX |
| 0.400 | Lbs/MMBTU | Particulate Matter | TSP |
| 032 | KEELER BOILER 1 | | |
| Emission Limit | | | |
| 1.200 | Lbs/MMBTU | | SOX |
| 0.400 | Lbs/MMBTU | Particulate Matter | TSP |
| 033 | KEELER BOILER 2 | | |
| Emission Limit | | | |
| 1.200 | Lbs/MMBTU | | SOX |
| 0.400 | Lbs/MMBTU | Particulate Matter | TSP |
| 036 | JOHNSTON 49 MMBTU/HR BOILER | | |
| Emission Limit | | | |
| 62.300 | Tons/Yr | 12-month rolling sum | CO |
| 400.000 | PPMV | dry basis firing natural gas or propane @3% O2 | CO |
| 5.700 | Lbs/Hr | No. 2 fuel oil | NOX |
| 30.000 | PPMV | dry basis firing natural gas or propane @3% O2 | NOX |
| 74.150 | Tons/Yr | 12-month rolling sum | NOX |
| 90.000 | PPMV | @ 3% O2, firing No. 2 oil | NOX |
| 18.800 | Tons/Yr | 12-month rolling sum | PM10 |
| 1.200 | Lbs/MMBTU | | SOX |
| 116.100 | Tons/Yr | 12-month rolling sum | SOX |
| 0.400 | Lbs/MMBTU | Particulate Matter | TSP |
| 86.000 | Tons/Yr | 12-month rolling sum | TSP |
| 101 | RENDERING PROCESS EQUIPMENT | | |
| Emission Limit | | | |
| 2.000 | Tons/Yr | consecutive 12-month period | NOX |
| 500.000 | PPMV/PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | particulate matter | TSP |
| 106 | MISC. HEATERS (PRE 1999) | | |
| Emission Limit | | | |
| 8.900 | Tons/Yr | consecutive 12-month period | NOX |
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |
| 108 | EMERGENCY GENERATOR | | |
| Emission Limit | | | |
| 3.700 | Tons/Yr | combined Sources 108 and 109 | NOX |
| 500.000 | PPMV | dry basis | SOX |

**SECTION G. Emission Restriction Summary.**

| Source Id | Source Descriptor | | |
|-----------------------|---|-------------------------------|-----|
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |
| 109 | EMERGENCY GENERATOR-COMPRESSOR ROOM | | |
| Emission Limit | | Pollutant | |
| 3.700 | Tons/Yr | combined Sources 108 and 109 | NOX |
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |
| 114 | SINGER 1 | | |
| Emission Limit | | Pollutant | |
| 500.000 | PPMV/MMBTU | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |
| 115 | SINGER 2 | | |
| Emission Limit | | Pollutant | |
| 500.000 | PPMV/MMBTU | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |
| 116 | MISC. HEATERS 2 (POST 1999) | | |
| Emission Limit | | Pollutant | |
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |
| 119 | EMERGENCY GENERATOR - COMPRESSOR RM. #5 | | |
| Emission Limit | | Pollutant | |
| 2.750 | Tons/OZNESEAS | combined, exempted generators | NOX |
| 6.600 | Tons/Yr | 12-month rolling sum | NOX |
| 100.000 | Lbs/Hr | combined, exempted generators | NOX |
| 1,000.000 | Lbs/Day | combined, exempted generators | NOX |
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |
| 120 | EMERGENCY GENERATOR - WAREHOUSE | | |
| Emission Limit | | Pollutant | |
| 2.750 | Tons/OZNESEAS | combined, exempted generators | NOX |
| 6.600 | Tons/Yr | 12-month rolling sum | NOX |
| 100.000 | Lbs/Hr | combined, exempted generators | NOX |
| 1,000.000 | Lbs/Day | combined, exempted generators | NOX |
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |

**SECTION G. Emission Restriction Summary.**

| Source Id | Source Description | | |
|----------------|------------------------|--------------------|-----|
| 121 | SMOKEHOUSE BURNERS (4) | | |
| Emission Limit | | Pollutant | |
| 500.000 | PPMV | dry basis | SOX |
| 0.040 | gr/DRY FT3 | Particulate Matter | TSP |

Site Emission Restriction Summary

| Emission Limit | | Pollutant |
|-----------------|--------------------------------------|--------------------------|
| 74.150 Tons/Yr | calculated as a 12-month rolling sum | NOX |
| 249.000 Tons/Yr | calculated as a 12-month rolling sum | TSP |
| 249.000 Tons/Yr | calculated as a 12-month rolling sum | SOX |
| 10.000 Tons/Yr | calculated as a 12-month rolling sum | Hazardous Air Pollutants |
| 25.000 Tons/Yr | calculated as a 12-month rolling sum | Hazardous Air Pollutants |

**SECTION H. Miscellaneous.**

(a) The following previously issued operating permits and plan approvals serve as the basis for certain terms and conditions set forth in this Title V Permit:

- (1) Operating Permit No.: OP-46-0013A.
- (2) Plan Approval No. 46-0013D (Inedible Cooker/Press (Source ID: 124)).
- (3) Plan Approval No. 46-0013E (Installation of new control devices for WWTP).
- (4) Plan Approval No. 46-0013F (Installation of new control devices for Rendering Plant Process Equipment).
- (5) RFD No. 5448 for demolition activities in the Rendering Plant.
- (6) RFD No. 7582 for the installation of a low ash pork mel classifier to the Rendering Plant.
- (7) RFD No. 7598 for the installation for two diesel fuel-fired emergency generators (cap.: 450-kW and 100-kW).
- (8) RFD No. 7629 for the installation of fifteen natural gas-fired smokehouses and three steam-operated smokehouses.
- (9) RFD No. 7631 for the installation of two natural gas-fired sausage ovens.

(b) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- (1) Machine lubricating fluids
- (2) Cafeteria operations
- (3) Truck washing system
- (4) Meal loading
- (5) Liquid smoking operations
- (6) Ozone generators
- (7) Paint storage area
- (8) Drum handling and storage
- (9) Cooling tower
- (10) Seven (7) fuel oil storage tanks
- (11) Diesel fuel pumping area
- (12) Wastewater treatment plant
- (13) Storage Tanks containing non-hazardous, nonvolatile substances
- (14) Animal holding bays
- (15) Handling, butchering, and processing of animals
- (16) Maintenance areas
- (17) Refrigerated trailers
- (18) HATGRO mixing and storage area
- (19) Waste oil-fired heater (0.185 MMBtu/hr)
- (20) Ammonia refrigeration units
- (21) 2-3.0 MMBtu/hr natural gas-fired smokers

(c) This permit has been amended from the permit dated 12/14/98. The following items have been changed.

- (1) Section C. Compliance schedule added to include requirement for submittal of a plan approval application for modifying Source 105.
- (2) Source ID: 103 - changes made to method of monitoring and parameters to be recorded and change made to the required exhaust air flow.
- (3) Source ID: 104 - changes made to method of monitoring.
- (4) Source ID: 105 - changes made to method of monitoring.

(d) This permit has been amended from the permit dated 6-21-2000. The following items have been changed:

- (1) Compliance schedule has been met and subsequently removed from the permit.
- (2) Source ID: 103 - Condition #007(c), pertaining to air flow parameters for the venturi scrubber (Source ID: C01), has been removed. The source name has been changed for clarity.
- (3) Source ID: 104 - The source name has been changed for clarity. Conditions have been added for new monitoring, recordkeeping, and operating parameters for the venturi scrubber.

**SECTION H. Miscellaneous.**

(4) Source ID: 105 - Conditions referencing the venturi scrubber (Source ID: C01) have been removed. The change did not result in an increase of emissions.

(5) Sources ID(s): 031, 032, and 033. These three boilers have the added capacity to operate on propane.

(e) This Title V Permit has been revised on May 29, 2001 for changes to the venturi scrubber (Source ID: C01). A previous plan approval (46-317-017) set the minimum exhaust flow rate at 6,000 cfm. A recent plan approval (PA-46-0013) allowed for the exhaust flow rate to go below 6,000 cfm as long as the pressure drop remained above 4 inches water gauge and the water recirculation flow rate remained above 30 gpm.

(f) September, 2004. APS: 345922, AUTH ID: 523729. The Department issued a renewal TVOP. This permit added Sources ID(s): 036, 113, 114, 115, and 116, as well as including changes to Source ID:106. General Permit, number 46-302-233GP, was incorporated at this time. The following Requests For Determination (RFDs) have been included into this renewal permit:

- (1) 46-A01-2167
- (2) 46-A01-2164
- (3) 46-A01-2163
- (4) 46-A01-2162
- (5) 46-A01-2080
- (6) 46-A01-2084
- (7) 46-A01-2083
- (8) 46-A01-2082
- (9) 46-A01-2081

No sources are Subject to CAM at this time.

(g) July 2005. APS No.: 558266, Auth ID: 599265. Permit amended to address name change and link in eFACTS. Permit not reissued at this time.

(h) Incorporation of PA-46-0013A, September, 2008. This permit amended the permit issued on August 4, 2004 to incorporate Federally Enforceable Emissions Cap (FEEC) for NOx emissions from the facility in accordance with the requirements of 25 Pa. Code Section 127.448 and Reasonably Available Control Technology (RACT) requirements of 25 Pa. Code Section 129.93(c) for two Singers and Miscellaneous Heaters, (Source ID(s): 114, 115 and 116); FEEC Plan Approval No. PA-46-0013A, APS: 490973, AUTH: 512228 into this TVOP 46-00013, APS: 567495, AUTH: 726235. This permit amendment is issued in conjunction with incorporation of Plan Approval 46-0013B (APS: 554959, AUTH: 594958) for modification of 4 boilers (Source ID(s): 031, 032, 033 and 036) to fire animal fat, vegetable oil and lard, into this TVOP-46-00013 APS: 567495, AUTH: 738815.

(i) Renewal TVOP 46-00013, March 2009, APS: 567495, Auth ID: 781370. The conditions of the Title V Operating Permit that was issued on August 4, 2004 and amended on September 9, 2008 are incorporated into the renewed Title V Operating Permit 46-00013 without any modification with one following exception: Source ID: 035, Waste Oil Heater is removed from the permit, as per company's request. The company no longer wishes to operate this source and physically removed this source from service.

(j) May 2010, APS No.: 567495, Auth ID: 833087. This Title V Operating Permit was administratively amended to incorporate language change for Johnston Boiler, Source ID: 036, Conditions #003(c) and #005(a).

(k) November 2013, APS No.: 567495, Auth ID: 1001624. This Title V Operating Permit was administratively amended to incorporate Plan Approval No 46-0013C to revise CO emission limits for three existing boilers Source ID(s): 031, 032 and 033.

(l) The Title V Operating Permit 46-00013 (APS ID: 567495, Auth ID: 1009947) has been renewed.

(m) The Title V Operating Permit 46-00013 (APS ID: 567495, Auth ID: 1286547) has been renewed.

(l) The frequency of the sampling required for Source ID(s): 031, 032, 033, Condition #005(a) and Source ID: 036, Condition #009(a) is quarterly.

(m) The Title V Operating Permit 46-00013 (APS No.: 567495, Auth ID: 1187626) has been administratively amended to incorporate Plan Approval 46-0013D for the Inedible Cooker/Press (Source ID: 124).

(n) The Title V Operating Permit 46-00013 (APS No.: 567495, Auth ID: 1292384) has been administratively amended to incorporate

**SECTION H. Miscellaneous.**

Plan Approvals 46-0013E and 46-0013F.

(o) The Title V Operating Permit 46-00013 (APS ID: 567495, Auth ID: 1320908) has been administratively amended to identify a change in the name, address or phone number of the Responsible Official identified in the permit and revise the conditions for the minimum pressure drops for the Packed Tower Scrubbers (Source ID(s): C12 and C14) to 1.0" (water) and 0.75" (water), respectively.

(p) The Title V Operating Permit 46-00013 has been modified to: (1) omit references to Nos. 4, 5 and 6 fuel oils and animal fat/vegetable oil and lard as fuels, (2) revise the number of Smokehouse Burners (Source ID: 121) from ten to four and (3) remove the Wastewater Sludge Dryer (Source ID: 102) as a source.



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