



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date: August 30, 2023

Effective Date: August 30, 2023

Expiration Date: August 30, 2028

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: 45-00005**

Federal Tax Id - Plant Code: 98-0033013-1

**Owner Information**

Name: SANOFI PASTEUR INC.

Mailing Address: 1 DISCOVERY DR  
MAIL STOP 49D30  
SWIFTWATER, PA 18370-9100

**Plant Information**

Plant: SANOFI PASTEUR/SWIFTWATER FACILITY

Location: 45 Monroe County 45913 Pocono Township

SIC Code: 2834 Manufacturing - Pharmaceutical Preparations

**Responsible Official**

Name: JOSEPH GILLILAND

Title: SR. DIRECTOR HSE

Phone: (570) 957 - 2205

Email: joseph.gilliland@sanofi.com

**Permit Contact Person**

Name: ADAM HAYDT

Title: DEPUTY DIRECTOR ENVIR

Phone: (570) 957 - 5601

Email: adam.haydt@sanofi.com

[Signature] \_\_\_\_\_

MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER



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| Source ID | Source Name   | Capacity/Throughput | Fuel/Material |
|-----------|---|---------------------|---------------|
| 031       | BOILER 1  | 20.412              | MMBTU/HR      |
| 032       | BOILER 2  | 20.412              | MMBTU/HR      |
| 034       | BOILER, BLDG 49   | 1.200               | MMBTU/HR      |
| 036       | BOILER 3  | 32.659              | MMBTU/HR      |
| 039       | BOILER 6  | 32.300              | MMBTU/HR      |
| 040       | BOILER 7  | 32.300              | MMBTU/HR      |
| 041       | BOILER 8  | 32.300              | MMBTU/HR      |
| 042       | BOILER 9  | 32.300              | MMBTU/HR      |
| 043       | BOILER 10   | 32.300              | MMBTU/HR      |
| 046       | BOILER 13   | 33.400              | MMBTU/HR      |
| 047       | BOILER 14   | 33.400              | MMBTU/HR      |
| 048       | BOILER 15   | 33.400              | MMBTU/HR      |
| 101       | VACCINE PRODUCTION AREA                                   |                     |               |
| 103       | EMERGENCY GENERATORS (19)                                 |                     |               |
| 104       | THERMAL EGG DRYER   |                     |               |
| 107       | EGG WASTE PROCESSING AREA, INFLUENZA VACCINE MFG, BLDG 59 |                     |               |
| 108       | BUFFERING REAGENT HANDLING AREA, BLDG 59                  |                     |               |
| 117       | INFLUENZA VACCINE MFG OPERATIONS -B79                     |                     |               |
| 118       | REAGENT DISPENSING/BUFFER PREP LAB HOODS                  |                     |               |
| 119       | EGG WASTE DEHYDRATOR #1                                   |                     |               |
| 120       | EGG WASTE DEHYDRATOR #2                                   |                     |               |
| 121       | EGG WASTE DEHYDRATOR #3                                   |                     |               |
| 122       | EGG WASTE DEHYDRATOR #4                                   |                     |               |
| 123       | EGG WASTE DEHYDRATOR #5                                   |                     |               |
| 124       | EGG WASTE DEHYDRATOR #6                                   |                     |               |
| 125       | EGG WASTE DEHYDRATOR #7                                   |                     |               |
| 127       | B79 WASTE WATER   |                     |               |
| 128       | THREE (3) COOLING TOWERS                                  |                     |               |
| 129       | DRY CHEMICAL WEIGH STATION                                |                     |               |
| 130       | EGG WASTE DEHYDRATOR #8                                   |                     |               |
| C01       | HEPA FILTERS  |                     |               |
| C04       | REGENERATIVE THERMAL OXIDIZER                             |                     |               |
| C107      | REGENERATIVE THERMAL OXIDIZER                             |                     |               |
| C108      | DUST COLLECTOR FOR BUFFERING REAGENT HANDLING EQUIP       |                     |               |
| C118      | DUST COLLECTOR FOR BUFFERING REAGENT HANDLING EQUIP       |                     |               |
| C119      | THERMAL OXIDATION CHAMBER                                 |                     |               |
| C120      | THERMAL OXIDATION CHAMBER                                 |                     |               |
| C121      | THERMAL OXIDATION CHAMBER                                 |                     |               |
| C122      | THERMAL OXIDATION CHAMBER                                 |                     |               |

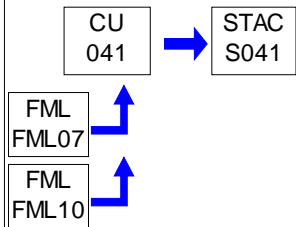
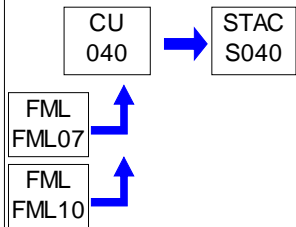
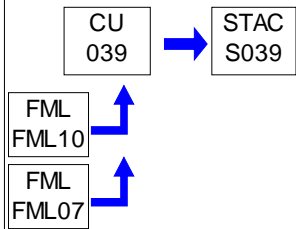
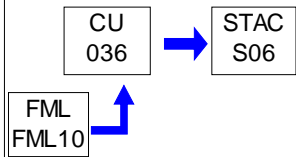
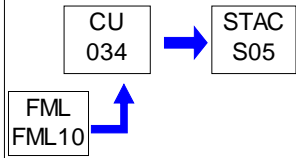
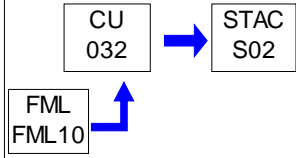
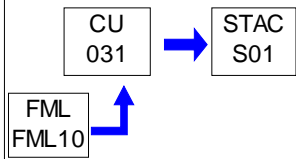
**SECTION A. Site Inventory List**

| Source ID | Source Name                               | Capacity/Throughput | Fuel/Material |
|-----------|---|---------------------|---------------|
| C123      | THERMAL OXIDATION CHAMBER                 |                     |               |
| C124      | THERMAL OXIDATION CHAMBER                 |                     |               |
| C125      | THERMAL OXIDATION CHAMBER                 |                     |               |
| C128      | DRIFT ELIMINATORS                         |                     |               |
| C129      | B46 DUST COLLECTOR                        |                     |               |
| C130      | THERMAL OXIDATION CHAMBER                 |                     |               |
| FML02     | EMERGENCY GENERATOR DIESEL TANKS          |                     |               |
| FML07     | #2 FUEL OIL STORAGE TANKS                 |                     |               |
| FML10     | NATURAL GAS                               |                     |               |
| S01       | STACK - BOILER 1                          |                     |               |
| S02       | STACK - BOILER 2                          |                     |               |
| S03       | BLDG VENTILATION EXHAUST                  |                     |               |
| S039      | STACK - BOILER 6                          |                     |               |
| S040      | STACK - BOILER 7                          |                     |               |
| S041      | STACK - BOILER 8                          |                     |               |
| S046      | STACK - BOILER 13                         |                     |               |
| S047      | STACK - BOILER 14                         |                     |               |
| S048      | STACK - BOILER 15                         |                     |               |
| S05       | STACK - BLDG 49 BOILER                    |                     |               |
| S06       | STACK - BOILER 3                          |                     |               |
| S10       | STACK - REGENERATIVE THERMAL OXIDIZER     |                     |               |
| S107      | STACK FOR RTO                             |                     |               |
| S108      | STACK FOR DUST COLLECTOR                  |                     |               |
| S118      | STACK - DUST COLLECTOR                    |                     |               |
| S119      | STACK - DMI #1                            |                     |               |
| S120      | STACK - DMI #2                            |                     |               |
| S121      | STACK - DMI #3                            |                     |               |
| S122      | STACK - DMI #4                            |                     |               |
| S123      | STACK - DMI #5                            |                     |               |
| S124      | STACK - DMI #6                            |                     |               |
| S125      | STACK - DMI #7                            |                     |               |
| S130      | EGG WASTE DEHYDRATOR #8 STACK             |                     |               |
| S42       | STACK - BOILER 9                          |                     |               |
| S43       | STACK - BOILER 10                         |                     |               |
| Z01       | FUGITIVE EMISSIONS - EMERGENCY GENERATORS |                     |               |
| Z117      | FUGITIVE EMISSIONS                        |                     |               |
| Z127      | FUGITIVE EMISSIONS                        |                     |               |
| Z128      | FUGITIVE EMISSIONS                        |                     |               |

**PERMIT MAPS**

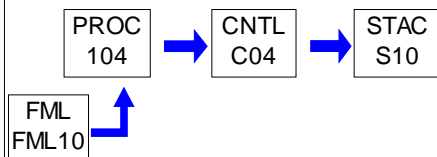
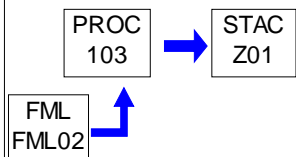
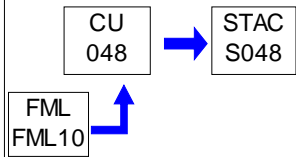
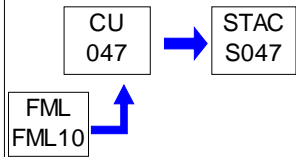
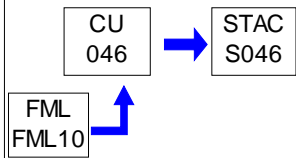
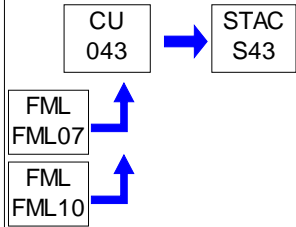
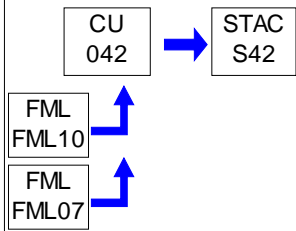


## PERMIT MAPS



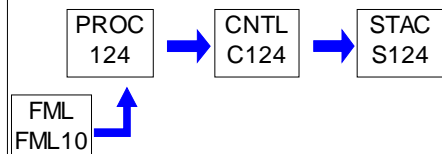
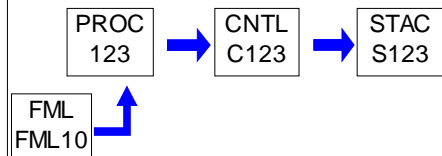
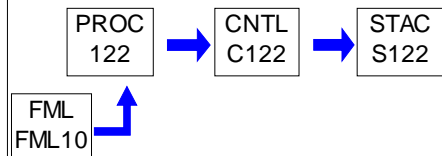
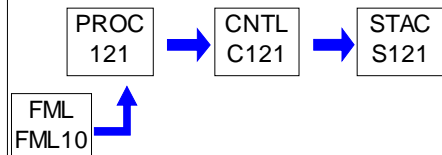
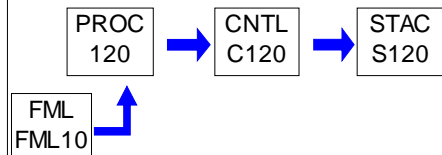
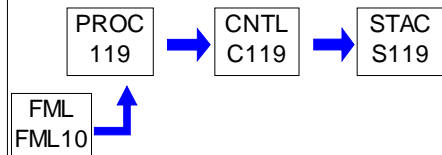
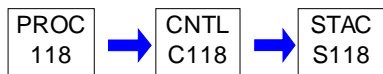
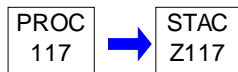
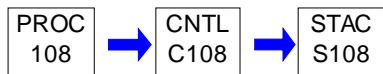
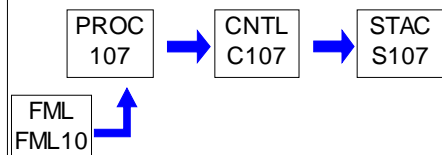


## PERMIT MAPS





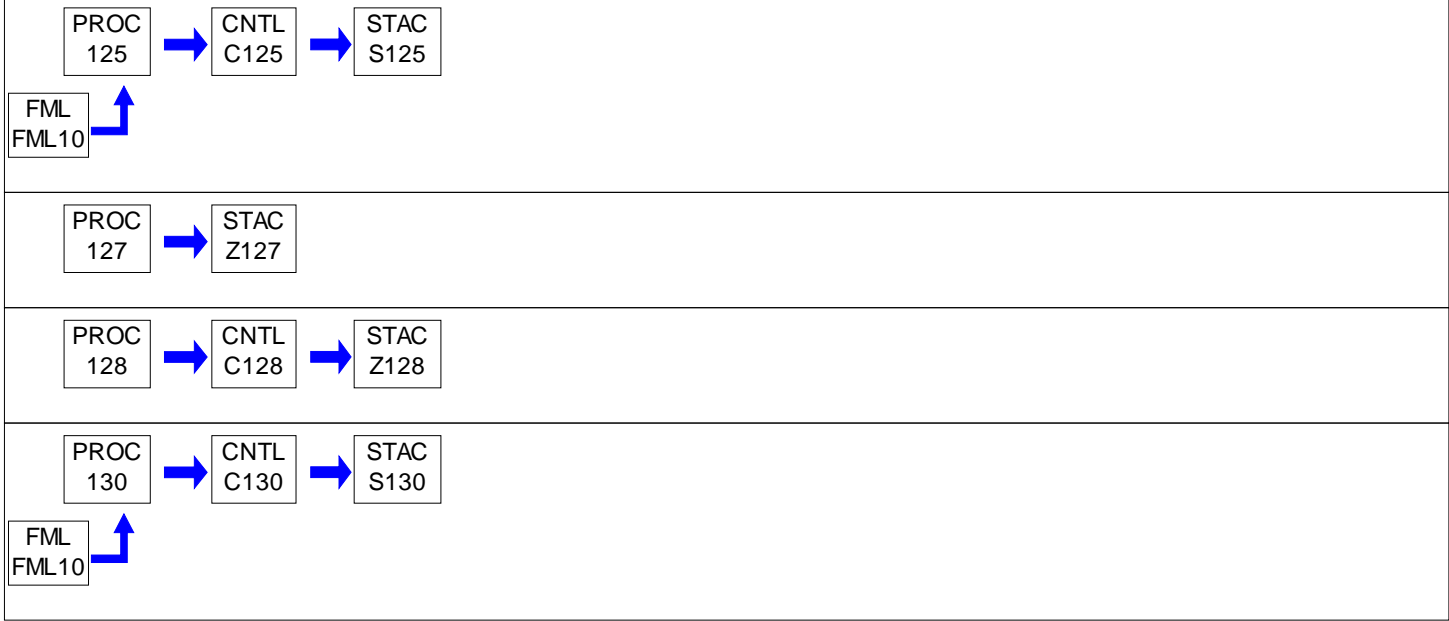
## PERMIT MAPS







**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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> 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.

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(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.



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(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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in SECTION C - Condition #001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

**# 003 [25 Pa. Code §123.31]****Limitations****MALODOR EMISSIONS**

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

**# 004 [25 Pa. Code §123.41]****Limitations****VISIBLE EMISSIONS**

(a) The permittee 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:

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

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

(a) The limitations of SECTION C - Condition #004 shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

**SECTION C. Site Level Requirements**

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) When the emission results from sources specified in SECTION C - Condition #001.

(4) When arising from the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

**# 006 [25 Pa. Code §127.218.]****PALs.**

(a) In accordance with 25 Pa. Code 127.218(j), a NNSR NOx PAL permit which is not renewed in accordance with the procedures in 25 Pa. Code 127.218(k) expires at the end of the PAL effective period and the following requirements apply:

(1) The owner or operator of each emissions unit or each group of emissions units that existed under the NNSR NOx PAL shall comply with an allowable emissions limitation under a revised permit established according to the following procedures:

(i) Within the time frame specified for NNSR NOx PAL permit renewals in 127.218(k)(2), the owner or operator of the major facility shall submit a proposed allowable emissions limitation for each emissions unit, or each group of emissions units if this distribution of allowable emissions is more appropriate as determined by the Department, by distributing the NNSR NOx PAL allowable emissions for the major facility among each of the emissions units that existed under the NNSR NOx PAL permit. If the NNSR NOx PAL permit has not been adjusted for an applicable requirement that became effective during the PAL effective period, as required under 127.218(k)(5), this distribution is made as if the PNNNSR NOx PAL permit has been adjusted.

(ii) The Department will decide whether and how to distribute the NNSR NOx PAL allowable emissions and issue a revised NNSR NOx PAL permit incorporating allowable limits for each emissions unit or each group of emissions units.

(2) The owner or operator of each emissions unit or group of emissions units shall comply with the allowable emissions limitation on a 12-month rolling basis. The Department may approve the use of emissions monitoring systems other than CEMS, CERMS, PEMS or CPMS to demonstrate compliance with the allowable emissions limitation.

(3) Until the Department issues the revised NNSR NOx PAL permit incorporating the allowable limits for each emissions unit or group of emissions units required under paragraph (1)(i), the owner or operator of the facility shall continue to comply with a facility-wide, multi-unit emissions cap equivalent to the level of the PAL emissions limitation.

(4) A physical change or change in the method of operation at the major facility is subject to this subchapter if the change meets the definition of major modification.

(5) The owner or operator of the major facility shall continue to comply with any State or Federal applicable requirements including BAT, BACT, RACT or NSPS that may have applied either during the NNSR NOx PAL effective period or prior to the NNSR NOx PAL effective period except for those emissions limitations that had been established under § 127.203(e)(2), but were eliminated by the NNSR NOx PAL in accordance with the provisions in 127.218(a)(3)(iii).

**# 007 [25 Pa. Code §127.218.]****PALs.**

In accordance with 25 Pa. Code Section 127.218(g)(10),

The emissions from any new source, that requires a Plan Approval, shall be the minimum attainable through the use of Best Available Technology (BAT). A physical change or change in method of operation at an existing emissions unit will not be subject to BAT requirements of 25 Pa. Code Chapter 127 unless the emissions unit is modified so that the fixed capital cost of new components exceeds fifty percent of the fixed capital cost that would be required to construct a comparable entirely new emissions unit.

**# 008 [25 Pa. Code §127.218.]****PALs.**

In accordance with 25 Pa. Code Section 127.218(d),

**SECTION C. Site Level Requirements**

At no time during or after the PAL effective period are emissions reductions of a NNSR NO<sub>x</sub> PAL pollutant, which occur during the PAL effective period, creditable as decreases for purposes of offsets under 25 Pa. Code, Chapter 127, Subchapter E unless the level of the NNSR NO<sub>x</sub> PAL is reduced by the amount of the emissions reductions and the reductions would be creditable in the absence of the NNSR NO<sub>x</sub> PAL.

**# 009 [25 Pa. Code §127.218.]****PALs.**

In accordance with 25 Pa. Code Section 127.218(l),

(a) The Department may increase NNSR NO<sub>x</sub> PAL emissions limitation during the PAL effective period if the owner or operator of the major facility complies with the following:

(1) The owner or operator of the major facility shall submit a complete application to request an increase in the NNSR NO<sub>x</sub> PAL limit for a NNSR NO<sub>x</sub> PAL major modification. The application must identify the emissions units contributing to the increase in emissions that cause the major facility's emissions to equal or exceed its NNSR NO<sub>x</sub> PAL.

(2) The owner or operator of the major facility shall demonstrate that the sum of the baseline actual emissions of the small emissions units assuming application of BAT, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls, plus the sum of the allowable emissions of the new or modified emissions units exceeds the PAL. The level of control that would result from BAT or BACT equivalent controls on each small emissions unit, significant emissions unit or major emissions unit must be determined by conducting a new BAT or BACT analysis at the time the application is submitted unless the emissions unit is currently required to comply with a BAT, BACT or LAER requirement that was established within the preceding 10 years. In this case, the assumed control level for that emissions unit is equal to the level of BAT, BACT or LAER with which that emissions unit must currently comply.

(3) The owner or operator of the major facility shall obtain a major NSR permit for all emissions units identified in paragraph (1), regardless of the magnitude of the emissions increase resulting from them. The owner or operator of these emissions units shall comply with the applicable emissions requirements of 25 Pa. Code Subchapter E, even if the units are subject to a NNSR NO<sub>x</sub> PAL or continue to be subject to a NNSR NO<sub>x</sub> PAL.

(4) The NNSR NO<sub>x</sub> PAL permit must require that the increased NNSR NO<sub>x</sub> PAL level be effective on the day any emissions unit that is part of the NNSR NO<sub>x</sub> PAL major modification becomes operational and begins to emit the NNSR NO<sub>x</sub> PAL pollutant.

(b) The Department will calculate the new PAL as the sum of the allowable emissions for each modified or new emissions unit, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls determined in accordance with paragraph (a)(2), plus the sum of the baseline actual emissions of the small emissions units.

(c) The NNSR NO<sub>x</sub> PAL permit must be revised to reflect the increased NNSR NO<sub>x</sub> PAL level under the public notice requirements of 25 Pa. Code Section 127.218(e).

**# 010 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

In accordance with the NNSR Plantwide Applicability (PAL) provisions of 25 Pa. Code §§127.218(g) and (m), the permittee shall calculate the total NO<sub>x</sub> emissions from the facility on a monthly basis and a 12-month rolling sum.

**# 011 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The owner/operator shall show that the sum of the monthly emissions from each source including emissions from start-up, shutdowns and malfunctions under the PSD & NNSR NO<sub>x</sub> PALs for the previous 12 consecutive months is less than the PAL (a 12-month sum, rolled monthly) respectively. To determine the compliance with the PSD & NNSR NO<sub>x</sub> PALs, the calculated pollutant(s) emissions for the month shall be added to the previous 11 months calculated pollutant (s) emissions for the total facility.

**SECTION C. Site Level Requirements****# 012 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) In accordance with the NNSR Plantwide Applicability (PAL) provisions of 25 Pa. Code § 127.218(g), the permittee shall ensure that the Nitrogen Oxides (NOx) emissions from the facility shall not exceed 92.78 tons in any twelve (12) consecutive months.

(b) The effective date of this NNSR NOx PAL corresponds to the effective date on the cover page of Plan Approval No. 45-00005A (Dec. 3, 2014).

(c) In accordance with the NNSR Plantwide Applicability (PAL) provisions of 25 Pa. Code § 127.218(g), emission calculations for compliance with the NNSR NOx PAL shall include emissions from startups, shutdowns, and malfunctions.

**# 013 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Authorization for this condition is also derived from 40 CFR 52.21 (aa)]

(a) The PSD Plantwide Applicability Limits (PALs) and Non attainment PAL for NOx emissions are established for the following sources at the facility:

| Emission Source                                     | AMS Source ID # |
|---|-----------------|
| Boiler No.1- 20.42 MMBTU/hr                         | 031             |
| Boiler No.2- 20.42 MMBTU/hr                         | 032             |
| Boiler No.3- 32.7 MMBTU/hr                          | 036             |
| Boiler No.6- 32.3 MMBTU/hr                          | 039             |
| Boiler No.7- 32.3 MMBTU/hr                          | 040             |
| Boiler No.8- 32.3 MMBTU/hr                          | 041             |
| Boiler No.9- 32.3 MMBTU/hr                          | 042             |
| Boiler No.10- 32.3 MMBTU/hr                         | 043             |
| Boiler No.13- 49.0 MMBTU/hr                         | 046             |
| Boiler No.14- 49.0 MMBTU/hr                         | 047             |
| Boiler building no.49- 1.2 MMBTU/hr                 | 034             |
| Nineteen (19) Emergency generators                  | 103             |
| B-37 Egg Dryer Thermal Oxidizer                     | 104             |
| B-59 Egg Dryer Thermal Oxidizer                     | 107             |
| B-59 Torit Dust Collector                           | 108             |
| Vaccine Production Area                             | 101             |
| Bldg. 53 Ventilation System                         | Misc            |
| Hydrogen Peroxide Sterilization F&P                 | Misc            |
| Ozone Decomposer                                    | Misc            |
| B-46 weigh area dust collection                     | Misc            |
| HEPA Filters, Hydrophobic Filters                   | Misc            |
| B-37 Cooling tower                                  | Misc            |
| Meninge 2nd Generation Fume hood                    | Misc            |
| B-55 Carbon Adsorption Odor Control System          | Misc            |
| B-60 Cooking burners                                | Misc            |
| B-59 New Flu Vaccine Production                     | 101             |
| Storage Tanks ( VOC Sources)- Various Size-total 26 | Misc            |
| Vaccine MFG area B79                                | 117             |
| Reagent Powder Handling hood                        | 118             |
| Egg Waste Dehydrator #1                             | 119             |
| Egg Waste Dehydrator #2                             | 120             |
| Egg Waste Dehydrator #3                             | 121             |
| Egg Waste Dehydrator #4                             | 122             |
| Egg Waste Dehydrator #5                             | 123             |

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|                         |     |
|-------------------------|-----|
| Egg Waste Dehydrator #6 | 124 |
| Egg Waste Dehydrator #7 | 125 |
| Egg Waste Dehydrator #8 | 130 |
| Waste Water B79         | 127 |
| Cooling Towers          | 128 |

**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) Pursuant to the requirements of 40 CFR § 52.21 (aa)(1), 40 C.F.R. 52.21(aa)(4) the following PSD Plantwide Applicability Limit (PAL) is established for emissions of pollutants from the sources listed below at the facility.

| PSD PAL Pollutant | Emission LimitationTPY (12- month rolling sum) |
|-------------------|--|
| PM10              | 25.78  |
| PM2.5             | 18.88  |
| SOx               | 67.23  |
| NOx               | 95.65  |
| CO                | 74.8   |
| TSP               | 23.43  |
| H2SO4             | 9.47   |
| CO2e              | 124,585  |

(b) Emissions shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit the pollutant under the PSD PAL limitations. (40 C.F.R. 52.21(aa)(4)(i)(d))

(c) Emission calculations for compliance purposes must include emissions from startups, shutdowns, and malfunctions. (40 C.F.R. 52.21(aa)(7)(iv)).

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

All sampling, testing and analyses performed in compliance with the requirements of any section of this permit shall be done in accordance with SECTION B - General Title V Requirement #023.

**# 016 [25 Pa. Code §139.1]****Sampling facilities.**

If requested by the Department, the permittee shall conduct performance (stack) tests in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department. The permittee will provide adequate sampling ports, safe sampling platforms, and adequate utilities for the performance by the Department of tests on such source(s). The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

**III. MONITORING REQUIREMENTS.****# 017 [25 Pa. Code §123.43]****Measuring techniques**

(a) Visible emissions may be measured using either of the following:

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



**SECTION C. Site Level Requirements****# 018 [25 Pa. Code §127.218.]****PALs.**

(a) In accordance with the provision of 25 PA Code section 127.218 (m)(5) the following are acceptable general monitoring approaches when conducted in accordance with the minimum requirements in the following paragraphs:

- (1) Mass balance calculations for activities using coatings or solvents.
- (2) CEMS.
- (3) CPMS or PEMS.
- (4) Emission factors.

(b) In accordance with the provision of 25 PA Code section 127.218 (m)(6), an owner or operator of a major facility using mass balance calculations to monitor NNSR NO<sub>x</sub> PAL emissions from activities using coating or solvents shall meet the following requirements:

- (1) Provide a demonstrated means of validating the published content of the NNSR NO<sub>x</sub> PAL pollutant that is contained in or created by all materials used in or at the emissions unit.
- (2) Assume that the emissions unit emits all of the NNSR NO<sub>x</sub> PAL pollutant that is contained in or created by any raw material or fuel used in or at the emissions unit, if it cannot otherwise be accounted for in the process.
- (3) If the vendor of a material or fuel used in or at the emissions unit publishes a range of pollutant content from the material, the owner or operator shall use the highest value of the range to calculate the PAL pollutant emissions unless the Department determines, in writing, that there is site-specific data or a site-specific monitoring program to support another content within the range.

(c) In accordance with the provision of 25 PA Code section 127.218 (m)(7), an owner or operator of a major facility using a CEMS to monitor NNSR NO<sub>x</sub> PAL emissions shall meet the following requirements:

- (1) The CEMS must comply with applicable performance specifications found in 40 CFR Part 60, Appendix B (relating to performance specifications).
- (2) The CEMS must sample, analyze and record data at least every 15 minutes while the emissions unit is operating.

(d) In accordance with the provision of 25 PA Code section 127.218 (m)(8), an owner or operator of a major facility using a CPMS or PEMS to monitor PAL pollutant emissions shall meet the following requirements:

- (1) The CPMS or PEMS must be calibrated based on current site-specific data demonstrating a correlation between the monitored parameters and the PAL pollutant emissions across the range of operation of the emissions unit.
- (2) Each CPMS or PEMS must sample, analyze and record data at least every 15 minutes or other less frequent interval approved in writing by the Department, while the emissions unit is operating.

(e) In accordance with the provision of 25 PA Code section 127.218 (m)(9), an owner or operator of a major facility using emission factors to monitor NNSR NO<sub>x</sub> PAL emissions shall:

- (1) Adjust the emission factors to account for the degree of uncertainty or limitations in the development of the factors.
- (2) Operate the emissions unit within the designated range of use for the emission factor, if applicable.
- (3) Conduct validation testing to determine a site-specific emission factor within 6 months of PAL permit issuance, unless the Department determines, in writing, that testing is not required.

(f) In accordance with the provision of 25 PA Code section 127.218 (m)(10), an owner or operator of a facility shall record and report maximum potential emissions without considering enforceable emissions limitations or operational restrictions for an emissions unit during a period of time that there is no monitoring data, unless another method for determining emissions during these periods is specified in the PAL permit.

(g) In accordance with the provision of 25 PA Code section 127.218 (m)(11), if an owner or operator of an emissions unit cannot demonstrate a correlation between the monitored parameters and the PAL pollutant emissions rate at the operating points of the emissions unit, the Department will, at the time of permit issuance, either:

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(1) Establish default values for determining compliance with the NNSR NO<sub>x</sub> PAL permit based on the highest potential emissions reasonably estimated at the operating points.

(2) Determine that operation of the emissions unit during operating conditions when there is no correlation between monitored parameters and the NNSR NO<sub>x</sub> PAL emissions is a violation of the NNSR NO<sub>x</sub> PAL permit.

(h) In accordance with the provision of 25 PA Code section 127.218 (m)(12), data used to establish the PAL must be revalidated through performance testing or other scientifically valid means approved in writing by the Department. This testing must occur at least once every 5 years after issuance of the NNSR NO<sub>x</sub> PAL permit.

**# 019 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.****Monitoring System for Emissions Units Added or Modified After PAL Issuance**

(a) The owner or operator shall monitor emissions from emissions units added or modified after issuance of this permit in accordance with the provisions under 40 CFR 52.21(aa)(12).

(b) The owner or operator must establish a monitoring system that accurately determines plantwide emissions for the PSD PAL. The monitoring system must be based on sound science and meet generally acceptable scientific procedures for data quality and manipulation. Additionally, the information generated by the monitoring system must meet minimum legal requirements for admissibility in a judicial proceeding to enforce the PSD PAL permit. Failure to use a monitoring system that meets the requirements of 40 CFR 52.21(aa)(12) will render the PSD PAL invalid. (40 C.F.R. 52.21(aa)(12)(i)(a), 40 C.F.R. 52.21(aa)(12)(i)(d))

(c) The monitoring system for emissions units added or modified after issuance of the PSD PAL shall use one of the four general monitoring approaches in paragraphs (i) through (iv) of this subsection.

(i) Mass balance calculations - The owner or operator using mass balance calculations to monitor PSD PAL pollutant emissions from activities using coating or solvents shall meet the following requirements: (40 CFR 52.21(aa)(12)(iii))

(A) Provide a demonstrated means of validating the published content of the PSD PAL pollutant that is contained in or created by all materials used in or at the emissions unit;

(B) Assume that the emissions unit emits all of the PSD PAL pollutant that is contained in or created by any raw material or fuel used in or at the emissions unit, if it cannot otherwise be accounted for in the process; and

(C) Where the vendor of a material or fuel, which is used in or at the emissions unit, publishes a range of pollutant content from such material, the owner or operator must use the highest value of the range to calculate the PSD PAL pollutant emissions unless the Department determines there is site-specific data or a site-specific monitoring program to support another content within the range.

(ii) CEMS - An owner or operator using CEMS to monitor PSD PAL pollutant emissions shall meet the following requirements: (40 C.F.R. 52.21(aa)(12)(iv))

(A) CEMS must comply with applicable Performance Specifications found in 40 CFR part 60, appendix B; and

(B) CEMS must sample, analyze and record data at least every 15 minutes while the emissions unit is operating.

(iii) CPMS or PEMS - An owner or operator using CPMS or PEMS to monitor PSD PAL pollutant emissions shall meet the following requirements: (40 C.F.R. 52.21(aa)(12)(v))

(A) The CPMS or the PEMS must be based on current site-specific data demonstrating a correlation between the monitored parameter(s) and the PSD PAL pollutant emissions across the range of operation of the emissions unit; and

(B) Each CPMS or PEMS must sample, analyze, and record data at least every 15 minutes, or at another less frequent interval approved by the Director, while the emissions unit is operating.

(iv) Emissions Factors - An owner or operator using emission factors to monitor PSD PAL pollutant emissions shall meet the following requirements: (40 C.F.R. 52.21(aa)(12)(vi))

(A) All emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development;

(B) The emissions unit shall operate within the designated range of use for the emission factor, if applicable; and

(C) If technically practicable, the owner or operator of a significant emissions unit that relies on an emission factor to calculate PAL pollutant emissions shall conduct validation testing to determine a site-specific emission factor within 6 months of PSD PAL permit issuance, unless the Department determines that testing is not required.

(d) Notwithstanding subsection (c) of this section and 40 C.F.R. 52.21(aa)(12)(i)(b) the owner or operator may also use an

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alternative monitoring approach that meets subsection (b) of this section and 40 C.F.R. 52.21(aa)(12)(i)(a) if approved by the Department. (40 C.F.R. 52.21(aa)(12)(i)(c))

(e) The owner or operator shall submit the monitoring methods for new and modified emissions units in accordance with the provisions of this plan approval.

(f) The owner or operator must record and report maximum potential emissions without considering enforceable emission limitations or operational restrictions for an emissions unit during any period of time that there is no monitoring data, unless another method for determining emissions during such periods has been specified under permit. (40 C.F.R. 52.21(aa)(12)(vii))

(g) All data used to establish the PSD PAL pollutant must be re-validated through performance testing or other scientifically valid means approved by the Department. Such testing must occur at least once every 5 years after issuance of the PAL. (40 C.F.R. 52.21(aa)(12)(ix))

**# 020 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.****FUGITIVE, VISIBLE, AND MALODOR EMISSIONS**

(a) The permittee shall conduct weekly inspections of the facility perimeter, during daylight hours when the plant is in operation, to detect visible, fugitive, and malodor emissions as follows:

(1) Visible emissions in excess of the limits stated in SECTION C - Condition #004.

(i) Visible emissions may be measured according to the methods specified in SECTION C - Condition #017, or alternatively, plant personnel who observe any visible emissions in excess of the limits stated in SECTION C - Condition #004 shall report the incident of visible emissions to the Department within four (4) hours of each incident and make arrangements for a certified observer to verify the opacity of the emissions.

(2) The presence of fugitive emissions visible beyond the boundaries of the facility, as stated in SECTION C - Condition #002.

(3) The presence of malodor emissions beyond the boundaries of the facility, as stated in SECTION C - Condition #003.

**# 021 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.****Fuel Usage Data**

(a) If fuel usage data which is monitored continuously is missing or invalid (as determined through review of plant records), data shall be filled for each day of missing/invalid data. If less than 10 percent of days for a given month have missing data, the missing days shall be filled using the average of the days immediately preceding and following the missing period. If 10 percent or more of days for a given month are missing data, the data shall be filled using the maximum daily fuel usage recorded during that month and the missing data will be reported as a deviation.

(b) If fuel usage data which is monitored monthly is missing, data shall be filled for the entire missing month with the maximum monthly fuel usage for the given unit during the preceding 12-month period. The missing data will be reported as a deviation.

**# 022 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.****Hours of Operation Data**

(a) If hours of operation data is monitored continuously and is missing or invalid (as determined through review of plant records), data shall be filled for each day of missing/invalid data. If less than 10 percent of days for a given month have

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missing data, the missing days shall be filled using the average of the days immediately preceding and following the missing period unless other data (i.e., fuel throughput) exists such that it is known the source was not operational. If 10 percent or more of days for a given month are missing data, the data shall be filled using the maximum daily hours of operation recorded during that month and the missing data will be reported as a deviation.

(b) If hours of operation data is monitored without a CEMS and is missing, data shall be filled for a missing month of data with the maximum hours of operation in a month over the preceding 12-month period. The missing data will be reported as a deviation.

**# 023 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

At least weekly, visual emission checks of each emission point subject to an opacity limit (excluding sources covered by an Opacity CEM) shall be conducted during periods of normal facility operation for a sufficient time interval to determine if the unit has visible emissions using 40 CFR 60 Appendix A, Method 22. If sources of visible emissions are identified during the survey, or at any other time, the permittee shall conduct a 40 CFR 60 Appendix A, Method 9 evaluation within one month. A Method 9 evaluation shall not be required if the visible emission condition is corrected in a timely manner and the units are operating at normal operating conditions. A record of each visible emission check required above shall be maintained on site for a period of no less than five (5) years. Said record shall include, but not be limited to, the date, time, name of emission unit, the applicable visible emissions requirement, the results of the check, what action(s), if any, was/were taken, and the name of the observer.

The permittee shall monitor visible emissions from sources subject to an opacity limit (excluding sources covered by an Opacity CEM) in accordance with the following procedures, test methods and frequencies:

(a) EPA Method 9 shall be used to determine opacity. Prior notification and a pre-test plan are not required to be submitted for each test or survey conducted.

(b) The permittee shall use the following monitoring schedule for conducting the visible emissions tests required by this condition:

- (i) The initial monitoring frequency for performing visible emission tests is once per week.
- (ii) If the tests conducted during six (6) consecutive weeks of operation show opacity within the applicable limits, the tests need only be done once per month;
- (iii) If the tests conducted during four (4) consecutive months of operation show opacity within the applicable limits, the tests need only be done once per quarter;
- (iv) If an exceedance occurs, the tests for the exceeding monitoring point will start over with weekly checks according to the monitoring frequency table above.

(c) All visible emissions tests shall be conducted during operating conditions that have the potential to create visible emissions.

(d) If the observer is unable to conduct the tests due to unit downtime, visual interference's caused by other visible emission sources (e.g. fugitive emissions during high wind conditions), or due to weather conditions such as fog, heavy rain, or snow, the observer shall note such conditions on the data observation sheet and make at least three (3) attempts to conduct the tests at approximately 2-hour intervals throughout the day. The permittee shall attempt to make the observations daily until a valid observation period is completed.

(e) A record of each visible emission test required above shall be maintained on site for a period of no less than five (5) years. Said record shall include, but not be limited to, the date, time, name of emission unit, the applicable visible emissions requirement, the results of the test, what action(s), if any, was/were taken, and the name of the observer.

**# 024 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

In order to demonstrate compliance with the PAL limitations for the pollutant, the owner or operator shall monitor the following:

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- (a) No.2 Oil-fired Boilers (Boilers 6-10)
  - (1) Measure fuel usage in each boiler via meter and data logger.
  - (2) Supplier measurement of No. 2 Oil sulfur content for each delivery.
  - (3) Use stack test data or vendor-specific emission factors if available, otherwise, AP-42 emission factors (Section 1.3).
- (b) Natural gas-fired Boilers (Boilers 1-3; 6-10; and 13-15)
  - (1) Measure fuel usage in each boiler via meter and data logger.
  - (2) Use stack test data or vendor-specific emission factors if available, otherwise, AP-42 emission factors (Section 1.4).
- (c) Emergency Generators
  - (1) Monitor operating hours via each generator's cumulative hours meter and manual recording.
  - (2) Calculate fuel usage assuming operation at unit capacity (after collection of sufficient data, an alternate method may be proposed that correlates fuel usage and power output).
  - (3) Use vendor emission factors if available or AP-42 emission factors (Section 3.3 or 3.4, depending on generator size).
- (d) Vaccine Production
  - (1) Record doses produced of each type and package of vaccine.
  - (2) Calculate emissions assuming emission factors per dose and product calculated from process information.
- (e) Oil Tanks
  - (1) Total usage of No. 2 Diesel Oil from No.2 oil-fired boilers and Diesel oil-fired generators, respectively.
  - (2) Calculate No.2 Diesel Oil working losses using AP-42 (Section 7.1, Equation 1-23; breathing losses are assumed to be negligible because of the relatively small tank sizes, the low vapor pressures of No. 2 and Diesel oil, and the small daily temperature range for tanks that are primarily indoors).
- (f) Building 53 Ventilation System
  - (1) Assume constant air flow based on fan rating (15 acfm).
  - (2) Assume average organic vapor meter (OVM) concentration readings at the limits of the excavation.
  - (3) Assume average organic vapor molecular weight based on analysis of confirmation samples.
  - (4) Assume operates 24 hours per day, every day of the month.
  - (5) Calculate emissions based on outlet concentration and design flow rate.
- (g) Bag-type Dust Collectors (Building 46)
  - (1) Assume 2% of material weighed is suspended as PM10
  - (2) Assume dust collector control efficiency of 85%.
  - (3) Assume operates 24 hours per day, every day of the month.
  - (4) Calculate emissions based on outlet loading and design flow rate.
- (h) Bag-type Dust Collectors (Building 59)
  - (1) Assume outlet loading of 0.04 gr/dscf and design flow rate of 3,240 acfm.
  - (2) Assume operates 24 hours per day, every day of the month.
  - (3) Calculate emissions based on outlet loading and design flow rate.
- (i) Propane/Natural Gas-fired Combustion Sources (including thermal egg dryer thermal oxidizers, B-49 boiler, and B-60 Cooking Burners)
  - (1) Measure fuel usage in each unit via propane purchase records manually recorded and natural gas meter.
  - (2) Use AP-42 emission factors for combustion (Sections 1.5 and 1.4 as needed), except for vendor emission factors for some pollutants from thermal oxidizers.
  - (3) Add process emissions from thermal oxidizers based on previous testing of process gas to the oxidizer.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 025 [25 Pa. Code §127.511]**  
**Monitoring and related recordkeeping and reporting requirements.**

- (a) The owner or operator shall retain the records required under this section and 40 CFR 52.21(aa)(13) on site. Such

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records may be retained in an electronic format. (40 CFR 52.21(aa)(7)(viii))

(b) The owner or operator shall retain a copy of all records necessary to determine compliance with the requirements of this PSD PAL permit and of 40 CFR 52.21(aa), including a determination of each emissions unit's 12-month rolling total emissions, for 5 years from the date of such record. (40 C.F.R. 52.21(aa)(13)(i))

(c) The owner or operator shall retain a copy of the following records for the duration of the PSD PAL effective period plus 5 years: (40 CFR 52.21(aa)(13)(ii))

- (i) A copy of the PSD PAL permit application and any applications for revisions to the PSD PAL; and
- (ii) Each annual certification of compliance pursuant to title V and the data relied on in certifying the compliance.

**# 026 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

In accordance with the NNSR NOx Plantwide Applicability (PAL) provisions of 25 Pa. Code §§127.218(g) and (n), the permittee shall maintain records of the total NOx emissions from the facility necessary to determine compliance with the NNSR NOx PAL, including a determination of the 12-month rolling total emissions for each emissions unit. The records shall be retained for five (5) years.

**# 027 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

In accordance with the NNSR Plantwide Applicability provisions of 25 Pa. Code §§ 127.218(g) and (o), the permittee shall submit semi annual reports of the following:

(a) Total annual NOx emissions in TPY based on a 12-month rolling total for each month in the reporting period recorded in compliance with 25 Pa. Code § 127.218(n)(1).

(b) Data relied upon, including, if relevant, the quality assurance or quality control data, in calculating the monthly and annual NNSR NOx PAL emissions.

(c) A list of the emissions units modified or added to the major facility during the preceding 6-month period.

(d) The number, duration, and cause of deviations or, if relevant, monitoring malfunctions (other than the time associated with zero and span calibration checks), and the corrective action taken.

(e) If relevant, a notification of a shutdown of a monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, whether the emissions unit served by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in the permit under 25 Pa. Code§127.218(m)(10).

(f) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy, and completeness of the information provided in the report.

**# 028 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

In accordance with the NNSR Plantwide Applicability (PAL) provisions of 25 Pa. Code §§127.218(g) and (o), the permittee shall submit reports of deviations and exceedances of the NNSR NOx PAL requirements.

**# 029 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

All records, reports and analysis results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with SECTION B - General Title V Requirement #024, and shall be made available to the Department upon written or verbal request at a reasonable time.

**SECTION C. Site Level Requirements****# 030 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

## FUGITIVE AND VISIBLE EMISSIONS

- (a) The permittee shall, at the conclusion of each weekly inspection, record all occurrences of fugitive and/or visible emissions which deviate from the limitations of SECTION C - Conditions #002 and #004 in a log book.
- (b) The permittee shall record any and all corrective action(s) taken to abate each recorded deviation or prevent future occurrences.

**# 031 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The company shall maintain an emission tracking system to document compliance with the PAL for the facility. The tracking system shall record on a monthly basis fuel usage, emission rates and total monthly emissions for the pollutants from all the sources at the facility. Compliance with the PAL shall be determined through the use of total monthly fuel usage from the fuel meter readings, USEPA emission factors and/or use of emission limitations as specified in this Operating Permit for NO<sub>x</sub> and CO emissions.

**V. REPORTING REQUIREMENTS.****# 032 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

Pursuant to the requirements of 40 CFR 52.21(aa)(12)(vii), the owner or operator must record and report maximum potential emissions without considering enforceable emission limitations or operational restrictions for an emissions unit during any period of time that there is no monitoring data, unless another method for determining emissions during such periods.

**# 033 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

- (a) The owner or operator shall submit the reports required under this section and 40 CFR 52.21(aa)(14) by the required deadlines. (40 CFR 52.21(aa)(7)(ix))
- (b) The owner or operator shall submit semi-annual monitoring reports and prompt deviation reports to the Department in accordance with the Title V Operating Permit. The reports shall meet the requirements in paragraphs (i) through (iii) of this subsection. (40 CFR 52.21(aa)(14))
- (i) The semi-annual report shall be submitted to the Department within 30 days of the end of each reporting period. The report shall contain the information required in subparagraphs (A) through (G) of this paragraph.
- (A) The identification of owner and operator and the permit number.
- (B) Total annual emissions (tons/year) based on a 12-month rolling total for each month in the reporting period recorded pursuant to subsection 6(b) of this permit and 40 CFR 52.21(aa)(13)(i).
- (C) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual PSD PAL pollutant emissions.
- (D) A list of new emissions units and modified emissions units that have become operational during the reporting period and a description of the monitoring method used to demonstrate compliance with the PAL limits, including the emissions factors used (if applicable), emissions calculations method, and monitoring frequency. The monitoring method must meet the requirements of this plan approval.
- (E) The number, duration, and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks), and any corrective action taken.
- (F) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by methods included in this permit, as provided by 40 C.F.R. 52.21(aa)(12)(vii).

**SECTION C. Site Level Requirements**

- (G) A signed statement by the responsible official (as defined by the applicable title V operating permit program) certifying the truth, accuracy, and completeness of the information provided in the report.
- (ii) The owner or operator shall promptly submit reports of any deviations or exceedance of the PSD PAL requirements, including periods where no monitoring is available as indicated in this plan approval, in accordance with the reporting requirements of the Title V permit. The reports shall contain the following information:
- (A) The identification of owner and operator and the permit number;
  - (B) The PSD PAL requirement that experienced the deviation or that was exceeded;
  - (C) Emissions resulting from the deviation or the exceedance; and
  - (D) A signed statement by the responsible official certifying the truth, accuracy, and completeness of the information provided in the report.
- (iii) The owner or operator shall submit to the Department the results of any re-validation test or method within 60 days of completion of such test or method.

**# 034 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

- (a) The following requirements apply to reporting and notification: (25 Pa. Code § 127.218(O))

(1) The owner or operator of a major facility shall submit semiannual monitoring reports and prompt deviation reports to the Department in accordance with the Title V operating permit requirements of Subchapters F and G (relating to operating permit requirements; and Title V operating permits).

(2) The semiannual reports must:

- (i) Be submitted to the Department within 30 days of the end of each reporting period.
- (ii) Contain the following information:
  - (A) The identification of the owner and operator and the permit number.
  - (B) Total annual emissions in TPY based on a 12-month rolling total for each month in the reporting period.
  - (C) Data relied upon, including the quality assurance or quality control data, in calculating the monthly and annual PSD & NNSR NOx PAL pollutant emissions.
  - (D) A list of the emissions units modified or added to the major facility during the preceding 6-month period.
  - (E) The number, duration and cause of deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and the corrective action taken.
  - (F) A notification of a shutdown of a monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in the permit.

(G) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.

(3) The reports of deviations and exceedances of the PSD & NNSR NOx PAL requirements, including periods in which no monitoring is available, must:

- (i) Be submitted to the Department promptly. A report submitted satisfies this reporting requirement.
  - (ii) Contain the following information:
    - (A) The identification of the owner and operator and the permit number.
    - (B) The PAL requirement that experienced the deviation or that was exceeded.
    - (C) Emissions resulting from the deviation or the exceedance.
    - (D) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.
- (4) The owner or operator of a major facility shall submit to the Department the results of any revalidation test or method within 3 months after completion of the test or method.

**# 035 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

- (a) The company must record and report maximum potential emissions without considering enforceable emission limitations or operational restrictions for an emissions unit during any period of time that there is no monitoring data, unless another method for determining emissions during such periods is specified in this permit.



**SECTION C. Site Level Requirements**

(b) The company shall report unauthorized, accidental or emergency releases of air pollutants; malfunctions of equipment, the maintenance of which is necessary to meet plan approval requirements or emission limitations; instances of exceeding permit terms or conditions or regulatory requirements found during routine plant maintenance, whether or not the Department is aware of the situation; instances of exceeding permit terms or conditions or regulatory requirements recorded by continuous monitoring equipment; or other departures from the requirements of the act, regulations adopted under the act, terms or conditions of operating permits or plan approvals, or Department orders within one (1) hour of having knowledge of the occurrence of such an event. The reporting of such an event shall include the probable cause of the event(s) and corrective actions or preventive measures taken in order to address the event(s). A written report describing the event and the preventative or corrective actions taken to address the event shall be submitted to the Department within five (5) working days following the event. The Department may take enforcement action for any violations of the applicable provisions of the Air Pollution Control Act, regulations adopted under the Act, terms or conditions of operating permits or plan approvals and Department orders. This reporting requirement in no way supercedes or eliminates any other applicable federal or state reporting requirements..

(c) Any changes in the location of the aforementioned source, or any changes in the process or control equipment would be considered a modification and would require the submittal of an amended application for plan approval in accordance with the provisions of 25 Pa. Code 127.11 and 127.12.

(d) Any deviation shall be reported as per the requirements of 40 CFR 52.21(aa)(14)(ii).

(e) Pursuant to the requirement of 40 CFR 52.21(aa)(14)(iii) the company shall submit to the Department the results of any re-validation test or method within three (3) months after completion of such test or method.

(f) Any notification as a result of any condition herein should be directed to:

Mark J Wejkszner, P.E  
Air Quality Program Manager  
Department of Environmental Protection  
2 Public Square  
Wilkes-Barre, PA 18701-1915

**# 036 [25 Pa. Code §127.513]**  
**Compliance certification.**

The reporting period for the certificate of compliance required by SECTION B - Condition #026, shall be for the previous calendar year, and it shall be submitted within 60 days after the specified period but no later than March 1st.

**# 037 [25 Pa. Code §135.21]**  
**Emission statements**

(a) The permittee shall provide the Department with a statement of each stationary source in a form as prescribed by the Department, showing the actual emissions of oxides of nitrogen and volatile organic compounds (VOCs) from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

(b) The annual emission statements (AIMS Reports) are due by March 1 for the preceding calendar year and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The Emission Statement shall provide data consistent with requirements and guidance developed by the EPA.

(c) The Department may require more frequent submittals if the Department determines that one or more of the following applies:

- (1) A more frequent submission is required by the EPA.
- (2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the Air Pollution Control Act.

**SECTION C. Site Level Requirements****# 038 [25 Pa. Code §135.3]****Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 039 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) A person responsible for any source specified in SECTION C - Condition #001 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

(3) Paving and maintenance of roadways.

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

**# 040 [25 Pa. Code §129.14]****Open burning operations**

(a) Outside of air basins.

No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

(b) Exceptions: The requirements of subsection (a) do not apply where the open burning operations result from:

(1) 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.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department

(4) A fire set solely for recreational or ceremonial purposes.

(5) A fire set solely for cooking food.

(c) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

**SECTION C. Site Level Requirements**

(1) As used in this subsection the following terms shall have the following meanings:

**Air curtain destructor** -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

**Clearing and grubbing wastes** -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (a) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(3) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

**VII. ADDITIONAL REQUIREMENTS.**

**# 041 [25 Pa. Code §127.218.]**  
**PALs.**

In accordance with 25 Pa. Code Section 127.218(a)(4), the permittee shall continue to comply with applicable Federal or State requirements, emissions limitations and work practice requirements that were established prior to the NNSR NOx PAL effective date.

**# 042 [25 Pa. Code §127.218.]**  
**PALs.**

In accordance with 25 Pa. Code Section 127.218(k), and 40 CFR §52.21(aa) (10), the following requirements apply to renewal of a NNSR NOx PAL:

(a) The Department will follow the procedures specified in 25 Pa. Code Section 127.218 (e) in approving a request to renew a PAL permit for a major facility, and will provide both the proposed NNSR NOx PAL level and a written rationale for the proposed NNSR NOx PAL level to the public for review and comment in accordance with the applicable public notice requirements in 25 Pa. Code Sections 127.44, 127.424 and 127.521. During the public review, a person may propose a NNSR NOx PAL level for the major facility for consideration by the Department.

(b) An owner or operator of a major facility shall submit a timely application to the Department to request renewal of a NNSR NOx PAL permit. A timely application is one that is submitted at least 6 months prior to, but not earlier than 18 months prior to the date of permit expiration. If the owner or operator of a major facility submits a complete application to renew the PAL permit within this time period, the NNSR NOx PAL continues to be effective until the revised permit with the renewed NNSR NOx PAL is issued.

(c) The application to renew a NNSR NOx PAL permit must contain the following information:

(1) The information required in 25 Pa. Code Section, 127.218(b)(1)--(3)

(2) A proposed NNSR NOx PAL level

(3) The sum of the potentials to emit of the emissions units under the NNSR NOx PAL

(4) Other information the owner or operator wishes the Department to consider in determining the appropriate level at which to renew the NNSR NOx PAL.

(d) The Department will consider the options in subparagraphs (i) and (ii) in determining whether and how to adjust the

**SECTION C. Site Level Requirements**

NNSR NOx PAL. In no case may the adjustment fail to comply with subparagraphs (iii) and (iv).

(1) If the emissions level calculated in accordance with 25 Pa. Code Section 127.218 (f), referring to the established NNSR NOx PAL, is equal to or greater than 80% of the PAL level, the Department may renew the NNSR NOx PAL at the same level without considering the factors set forth in subparagraph (ii).

(2) The Department may set the NNSR NOx PAL at a level that it determines to be more representative of the facility's baseline actual emissions or that it determines to be appropriate considering air quality needs, advances in control technology, anticipated economic growth in the area, desire to reward or encourage the facility's voluntary emissions reductions or other factors specifically identified by the Department in its written rationale.

(3) If the potential to emit of the major facility is less than the NNSR NOx PAL, the Department will adjust the NNSR NOx PAL to a level no greater than the potential to emit of the facility.

(4) The Department will not approve a renewed NNSR NOx PAL level higher than the current NNSR NOx PAL unless the major facility has complied with 25 Pa. Code 127.218 (l).

(e) If the compliance date for a State or Federal requirement that applies to the facility occurs during the NNSR NOx PAL effective period and the Department has not already adjusted for this requirement, the NNSR NOx PAL must be adjusted at the time of the NNSR NOx PAL permit renewal or Title V permit renewal, whichever occurs first.

**# 043 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Pursuant to the requirement of 40 CFR 52.21 (aa)(7)(iii) if owner or operator applies to renew a PAL in accordance with paragraph 40 CFR 52.21 (aa)(10) before the end of the PAL effective period, then the PAL shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PAL permit is issued by the Department.

**# 044 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Except for the permit reopening for the correction of typographical/calculation errors that do not increase the PSD & NNSR NOx PAL levels, all other reopenings shall be carried out in accordance with the public participation requirements of 40 C.F.R. 52.21(aa)(5) (40 C.F.R 52.21(aa)(8)(c)) and 25 Pa. Code §127.218(e).

**# 045 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee may not construct or modify a new source at the facility unless the "new source", as defined in 25 Pa. Code § 121.1, meets the Best Available Technology (BAT) requirements established by the Department pursuant to Section 6.6 (c) of the Air Pollution Control Act and 25 Pa. Code § 127.11.

(b) At no time (during or after the PAL effective period) are emissions reductions of a PAL pollutant, which occur during the PAL effective period, creditable as decreases for purposes of offsets unless the level of the PAL are reduced by the amount of such emissions reductions and such reductions would be creditable in the absence of the PAL.

**# 046 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.

**# 047 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

**SECTION C. Site Level Requirements**

(a) During the PAL effective period, the Department must reopen the PAL permit to:

- (1) Correct typographical/calculation errors made in setting the PAL or reflect a more accurate determination of emissions used to establish the PSD & NNSR NO<sub>x</sub> PALs. (40 C.F.R 52.21(aa)(8)(ii)(a)(1)) & 25 Pa. Code §127.218(i); and
- (2) Reduce the PSD & NNSR NO<sub>x</sub> PALs if the owner or operator creates creditable emissions reductions for use as offsets under an approved non-attainment NSR program (40 C.F.R 52.21(aa)(8)(ii)(a)(2)); and 25 Pa. Code §127.218(i) and
- (3) Revise the PSD & NNSR NO<sub>x</sub> PALs to reflect an increase in the PSD & NNSR NO<sub>x</sub> PALs if the Department decides to increase the PSD & NNSR NO<sub>x</sub> PALs as provided under 40 C.F.R. 52.21(aa)(11) and 25 Pa. Code §127.218(l).

(A) The owner or operator shall submit a complete application to request an increase in the PSD & NNSR NO<sub>x</sub> PALs limits for a PSD & NNSR NO<sub>x</sub> PALs major modification. Such application shall identify the emissions unit(s) contributing to the increase in emissions so as to cause the source's emissions to equal or exceed the PSD & NNSR NO<sub>x</sub> PALs.

(B) As part of the application, the owner or operator shall demonstrate that the sum of the baseline actual emissions of the small emissions units, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls, plus the sum of the allowable emissions of the new or modified emissions unit(s) exceeds the PSD & NNSR NO<sub>x</sub> PALs. The level of control that would result from BACT equivalent controls on each significant or major emissions unit shall be determined by conducting a new BACT analysis at the time the application is submitted, unless the emissions unit is currently required to comply with a BACT or LAER requirement that was established within the preceding 10 years. In such a case, the assumed control level for that emissions unit shall be equal to the level of BACT or LAER with which that emissions unit must currently comply.

(C) The owner or operator shall obtain a major NSR permit for all emissions unit(s), regardless of the magnitude of the emissions increase resulting from them (that is, no significant levels apply). These emissions unit(s) shall comply with any emissions requirements resulting from the major NSR process, even though they have also become subject to the PAL or continue to be subject to the PAL.

(D) The increased PAL level shall be effective on the day any emissions unit that is part of the PAL major modification becomes operational and begins to emit the pollutant.

**# 048 [25 Pa. Code §127.512]**  
**Operating permit terms and conditions.**

(a) The Department shall have discretion to reopen the PSD & NNSR NO<sub>x</sub> PAL permit for the following:

(1) Reduce the PSD & NNSR NO<sub>x</sub> PALs to reflect newly applicable Federal requirements with compliance dates after the PSD & NNSR NO<sub>x</sub> PALs effective date (40 C.F.R 52.21(aa)(8)(b)(1)) and 25 Pa. Code §127.218(i);

(2) Reduce the PSD & NNSR NO<sub>x</sub> PALs consistent with any other requirement, that is enforceable as a practical matter, and that the Department may impose on the facility under the State Implementation Plan (40 C.F.R 52.21(aa)(8)(b)(2) and 25 Pa. Code §127.218(i)) and

(3) Reduce the PSD & NNSR NO<sub>x</sub> PALs if the Department determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation, or to an adverse impact on an air quality related value that has been identified for a Federal Class I area by a Federal Land Manager and for which information is available to the general public (40 C.F.R 52.21(aa)(8)(b)(3) and 25 Pa. Code §127.218(e)).

**# 049 [25 Pa. Code §127.512]**  
**Operating permit terms and conditions.**

If the PSD PAL authorized by this permit is not renewed in accordance with the procedures in this plan approval and 40 C.F.R. 52.21(aa)(10), the PSD PAL shall expire at the end of the PSD PAL effective period and the requirements in 40 C.F.R 52.21(aa)(9)(i) through (v) shall apply.

**# 050 [25 Pa. Code §127.512]**  
**Operating permit terms and conditions.**

In accordance with the NNSR Plantwide Applicability (PAL) provisions of 25 Pa. Code §127.218(g), the emissions from a new source that requires a plan approval shall be the minimum attainable through the use of Best Available Technology. A physical change or change in the method of operation of an existing emissions unit will not be subject to BAT requirements unless the emissions unit is modified so that the fixed capital cost of new components exceeds 50% of the fixed capital

**SECTION C. Site Level Requirements**

cost that would be required to construct an entirely new emissions unit.

**# 051 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

- (a) If the owner or operator submits a timely and complete application to renew the PSD PALs in accordance with the requirements of 40 C.F.R. 52.21(aa)(10)(ii), then the PAL shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PSD PAL permit is issued by the Department.
- (b) In accordance with the requirements of 40 C.F.R. 52.21(aa)(10)(ii), the owner or operator shall submit a timely and complete application to the Department to request renewal of the PSD PALs. A timely application is one that is submitted at least 6 months prior to, but not earlier than 18 months from, the date of permit expiration.
- (c) The application to renew the PSD PAL permit shall meet the requirements of 40 C.F.R. 52.21(aa)(10)(iii).

**# 052 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Any physical change or change in the method of operation at the facility will not be a major modification and will not have to be approved under 40 C.F.R. 52.21 and is not subject to the provisions 40 C.F.R. 52.21(r)(4) (restrictions on relaxing enforceable emission limitations that the major stationary source used to avoid applicability of the major NSR program), so long as the owner or operator maintains its total source-wide emissions of below the PSD PAL limits established.

**# 053 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The owner or operator must continue to comply with all other applicable Federal and State requirements, emission limitations, and work practice standards, including any obligation to obtain permits prior to constructing, modifying and operating any emissions unit.

**# 054 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

- (a) In accordance with the NNSR plantwide applicability (PAL) provisions of 25 Pa. Code §127.218(g), if the permittee applies to renew the NNSR NOx PAL in accordance with 25 Pa. Code §127.218(k) before the end of the NNSR NOx PAL effective period, the NNSR NOx PAL permit does not expire at the end of the NNSR NOx PAL effective period. The NNSR NOx PAL permit remains in effect until the Department issues a revised PAL permit.
- (b) In accordance with the NNSR plantwide applicability (PAL) provisions of 25 Pa. Code §127.218(g), upon expiration of the NNSR NOx PAL permit, the permittee is subject to the requirements of 25 Pa. Code §127.218(j).

**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: BOILER 1

Source Capacity/Throughput: 20.412 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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. \*\*\***

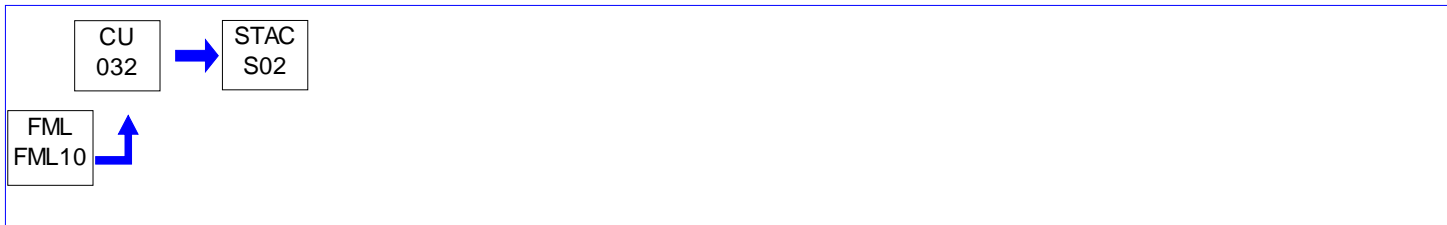
**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: BOILER 2

Source Capacity/Throughput: 20.412 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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. \*\*\***

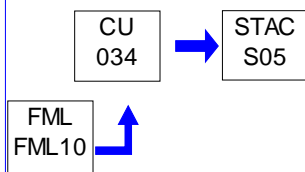


**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: BOILER, BLDG 49

Source Capacity/Throughput: 1.200 MMBTU/HR

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The concentration of sulfur oxides (expressed as SO<sub>2</sub>) in the emissions from this boiler may not exceed 4 pounds per million BTU of Sulfur Dioxide.

**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.**

# 002 [25 Pa. Code §127.512]

**Operating permit terms and conditions.**

NO<sub>x</sub> RACT for this source shall be maintenance and operation in accordance with manufacturer's specifications and good air pollution control practices.

**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. \*\*\***

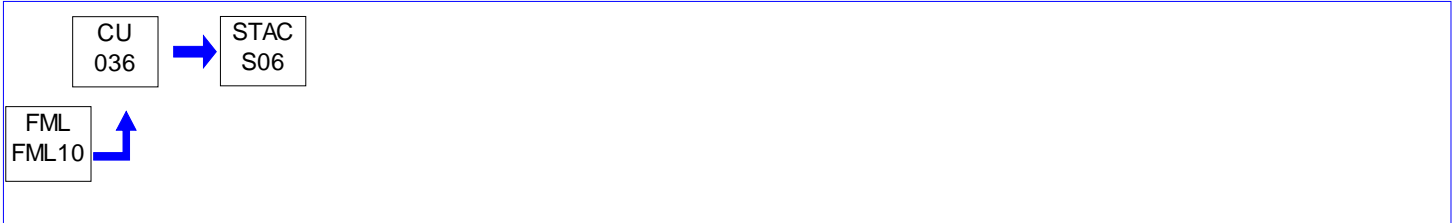
**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: BOILER 3

Source Capacity/Throughput: 32.659 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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. \*\*\***

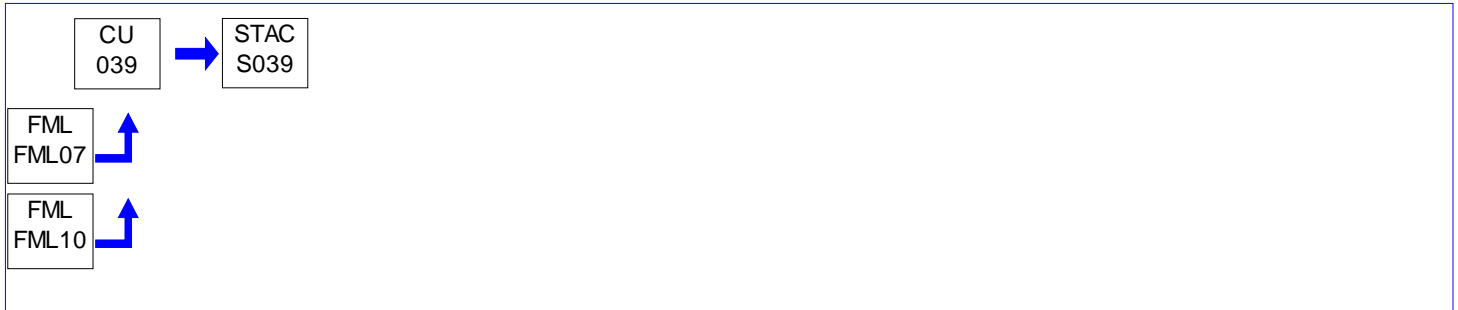
**SECTION D. Source Level Requirements**

Source ID: 039

Source Name: BOILER 6

Source Capacity/Throughput: 32.300 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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. \*\*\***

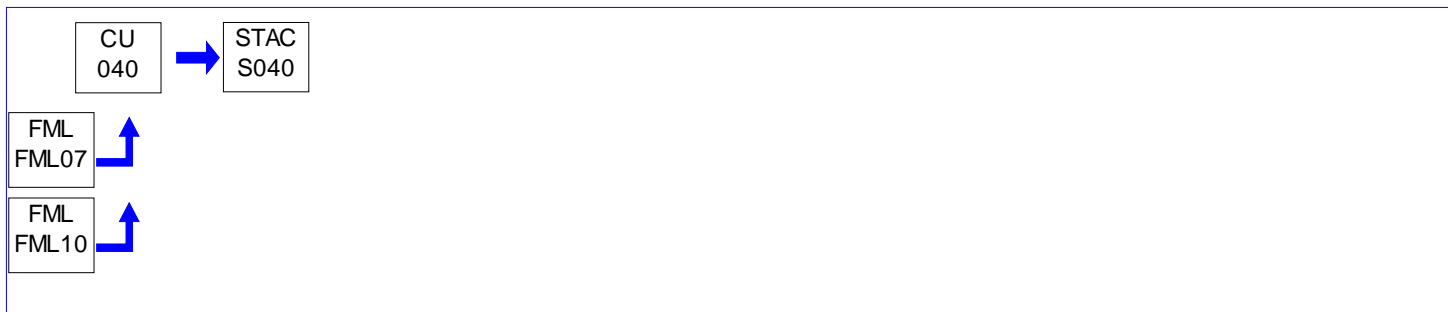
**SECTION D. Source Level Requirements**

Source ID: 040

Source Name: BOILER 7

Source Capacity/Throughput: 32.300 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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. \*\*\***

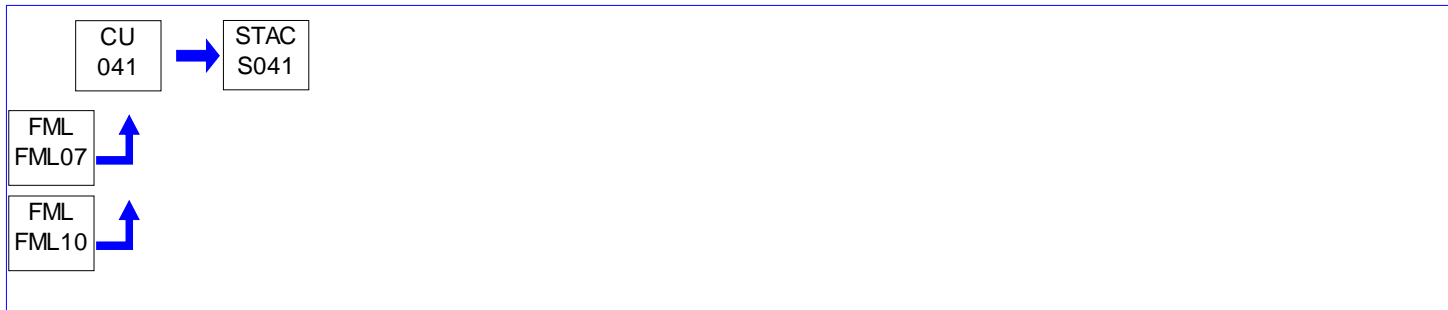
**SECTION D. Source Level Requirements**

Source ID: 041

Source Name: BOILER 8

Source Capacity/Throughput: 32.300 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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. \*\*\***

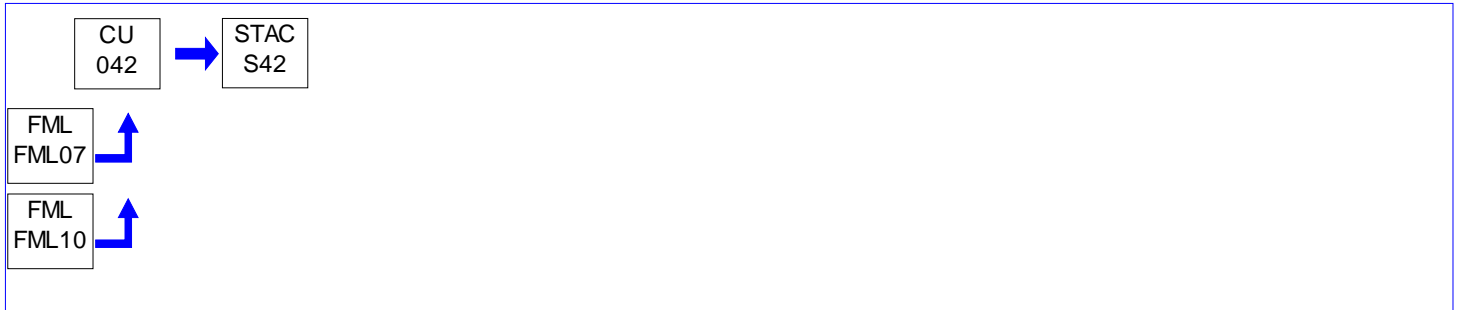
**SECTION D. Source Level Requirements**

Source ID: 042

Source Name: BOILER 9

Source Capacity/Throughput: 32.300 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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. \*\*\***

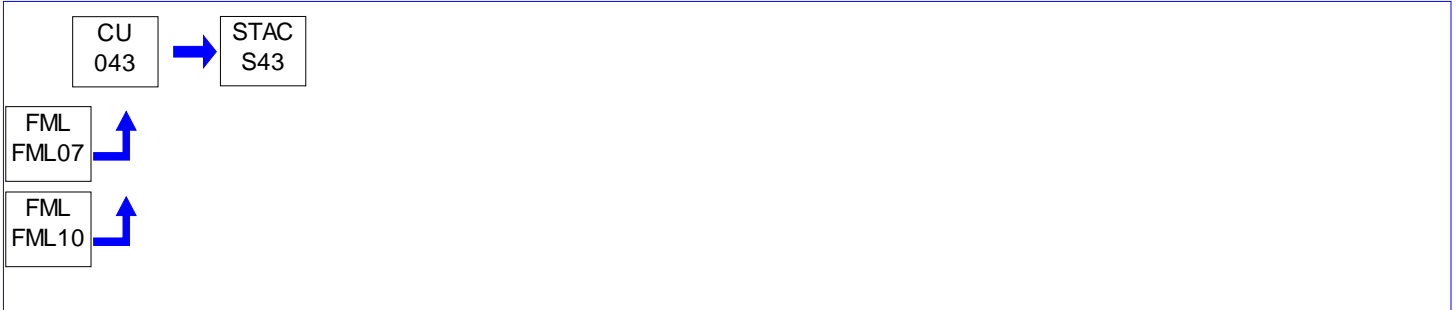
**SECTION D. Source Level Requirements**

Source ID: 043

Source Name: BOILER 10

Source Capacity/Throughput: 32.300 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 01

**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: 046

Source Name: BOILER 13

Source Capacity/Throughput: 33.400 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 03

**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: 047

Source Name: BOILER 14

Source Capacity/Throughput: 33.400 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 03

**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. \*\*\***

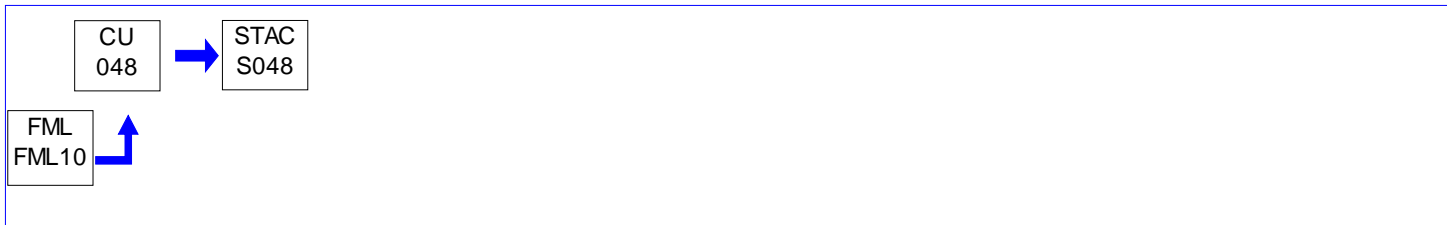
**SECTION D. Source Level Requirements**

Source ID: 048

Source Name: BOILER 15

Source Capacity/Throughput: 33.400 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 03

**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).

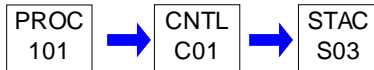
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: VACCINE PRODUCTION AREA

Source Capacity/Throughput:

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

The concentration of particulate matter (expressed as TSP) in the emissions from this source may not exceed 0.04 Grain per Dry Standard Cubic Foot of Total Suspended Particulate.

**# 002 [25 Pa. Code §123.21]****General**

The concentration of sulfur oxides (expressed as SO<sub>2</sub>) in the emissions from this source may not exceed 500 PPM by Volume of Sulfur Dioxide over any 1-hour period.

**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

All cleaning (disinfection) solvent operations associated with this Source ID 101 must comply with Best Available Technology to minimize VOC emissions. All cleaning operations must store new and used cleaning solvents in closed containers. A record of the quantity of all VOC's used in clean-up operations for the process equipment must be calculated on a monthly basis (12 month rolling sum).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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).

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

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

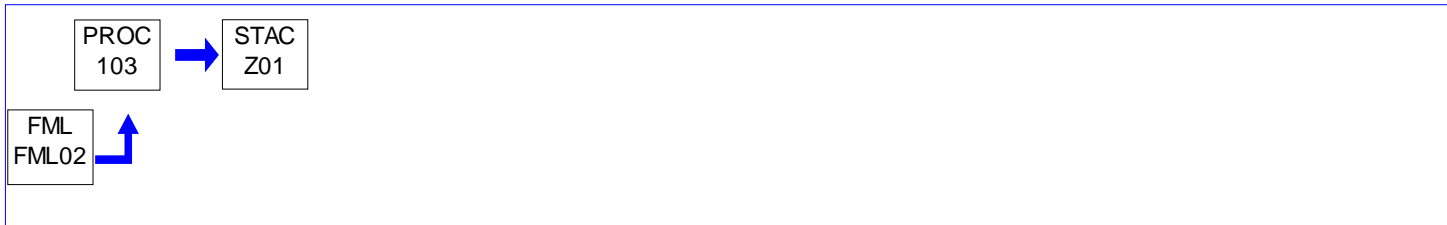
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: EMERGENCY GENERATORS (19)

Source Capacity/Throughput:

**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 these sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) NO<sub>x</sub> RACT for the diesel fired emergency generators shall be regulated under the presumptive RACT Emission limitations as described under 25 Pa. Code, Chapter 129.93(c)(5).

(b) The operating schedule of each generator may not exceed 500 hours/year in any consecutive 12-month period with the exception of the following:

|         |          |
|---------|----------|
| B37/B46 | 499 hrs. |
| B53/B55 | 499 hrs. |
| B56     | 499 hrs. |
| B57     | 499 hrs. |
| B59     | 499 hrs. |

**# 004 [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. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

**SECTION D. Source Level Requirements****# 005 [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?**

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a nonroad engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) An area source of HAP emissions is a source that is not a major source.

(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

**Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Each engine is subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ. The permittee shall comply with all applicable requirements specified in 40 CFR Part 63 Subpart ZZZZ. Depending on the construction date of the engine, these 40 CFR Part 63 Subpart ZZZZ requirements may be met by compliance with either NSPS Subpart JJJJ requirements (for spark ignition, i.e., natural gas-fired engines) or NSPS Subpart IIII (for compression ignition, i.e., diesel oil-fired engines)."

**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.****# 007 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall monitor and record the hours of operation of each generator.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

**SECTION D. Source Level Requirements**

[40 CFR 63.6625(e) and Table 6]

(a) The permittee must operate and maintain the stationary RICE according to:

- (1) The manufacturer's emission-related written instructions; or
- (2) Develop a site-specific 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.

[40 CFR 63.6625(f) and 40 CFR 63.6640(f)]

(b) Each generator must have a non-resettable hour meter and record the hours of operation and document the hours spent in emergency or non-emergency operation. To continue to be considered an emergency engine, the hours of operation cannot exceed:

- (1) Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for up to 50 hours per year is prohibited.
- (2) The permittee may operate each emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
- (3) The permittee may operate each emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Note: there is no limit on hours of operation under true emergency conditions

[40 CFR 63.6625(h)]

(c) During startup the permittee must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall maintain sufficient records to demonstrate each generators compliance with the operational limitation of Source Level Requirement - Condition #005.

**# 010 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall, on an annual basis, compile a report of the hours of operation of each generator through the year sufficient to demonstrate compliance with the operation time limitation. The records shall be maintained on-site and made available to the Department upon request

**# 011 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee must keep records of any maintenance performed on each engines air pollution control and monitoring equipment.

**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.****# 012 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

NO<sub>x</sub> RACT for these sources shall be maintenance and operation in accordance with manufacturer's specifications and good air pollution control practices.

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in §63.6620 and Table 4 to this subpart.

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

[40 CFR 63.6603(a) and Table 2d]

The permittee must:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs 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: there is an option to use a very specific oil analysis procedure instead of automatically changing the oil under the provisions of 63.6625(j).

[78 FR 6702, Jan. 30, 2013]

**VII. ADDITIONAL REQUIREMENTS.****# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

This Source ID 103 consist of the following nineteen (19) Emergency Generators:

- B-20 Generator (Lower Campus) - Cat, Engine Model C27, 750kW (1006 HP). - GPA 45-329-002GP9
- B-29 Generator (WWTP) - Cat, Engine Model C27, 750kW (1006 HP). - GPA 45-329-002GP9
- B-32 Generator (Bolyne) - Cat, Engine Model C27, 750kW (1006 HP). - GPA 45-329-002GP9
- B-37/46 Generator (Webster/Metzger) – Cat, Model 3512C, Serial # EBG00128, 2006, 1500kW (2011 HP). - GPA 45-329-002GP9
- B-38 Generator (#4988) - Cat/Olympian, Engine Model D125P2, 125kW (168 HP). - RFD 8-31-01
- B-45 Generator #2 (E-4) – Cat/Olympian, Engine Model D200PA, 2004, 200kW (268 HP). NO LONGER IN USE.
- B-45/50 Generator (Admin IS) - Cat, Model C15, Serial # F5E00205, 2006, 450kW (603 HP). - GPA 45-329-002GP9
- B46 MF 59 – Cat, Model 32, 2022, 1000 kW ( HP). - LETTER TO FILE



**SECTION D. Source Level Requirements**

- B-55 GCI (East Unit) - Cat, Model 3516C, 2015, 2000 kW (2682 HP). - RFD 4995
- B-56 Generator (Menactra/Warehouse) – Cat, Engine Model 3512C, 2006, 2000 kW (2682 HP). - GPA 45-329-002GP9
- B57/B77 Generator – Cat, Model 3412C, 2006, 2000 kW (2682 HP). - RFD 6020
- B-75 QC (West Unit) - Cat, Model 3516C, 2016, 2000 kW (2682 HP). - GP9-45-007
  
- B-57 Generator (F&F) - Cat, Model 3412C (currently disconnected and decommissioned in place). NO LONGER IN USE.
  
- B-58 Generator E-2; CUP) - Cat, Engine Model 3456, Serial #7WG02941, 2005. - RFD 2-27-03
- B-59 Generator Flu (F-1) - Cat, Engine Model 3516C, Serial #SBK 00152, 2006, 2000 kW (2682 HP). - PA 45-329-001 | 45-329-002GP9
- B-60 Generator Admin (E-3) - Cat/Olympian, Engine Model 1006TAG1, 150kW (201 HP). - RFD 6-23-05
- B-63 Generator (WWTP 2) – Cat, Engine Model C32, Serial # SVC01254, 1000kW (1341 HP). - GPA 45-329-003GP9
- B-72 Generator - Cat, Engine Model C15. 450 kW (671 HP). - GPA 45-329-011GP9
  
- B-79 Flu Generator (WWTP 2) – Cat, Engine Model C175-16, Serial # SR5, 3000 kW (2500 HP). - RFD 45-0392 (12/7/15) | Superseded by RFD 6282 The previously approved B79 emergency power was to be provided by two Caterpillar 3516C-HD TA 2500-kWe generators, with expected operating hours of 499 hr/yr.
  
- B-80 Cub Generator - Cat, Engine Model C32. 1000 kW (1502 HP). RFD 45-0392 (12/7/15) | Superseded by RFD 6282.
  
- B-78 Seed Lab – Cat, Engine Model C18 DMS818, 600 kW (2500 HP) - RFD ID 8509, 19-Jun-2020.

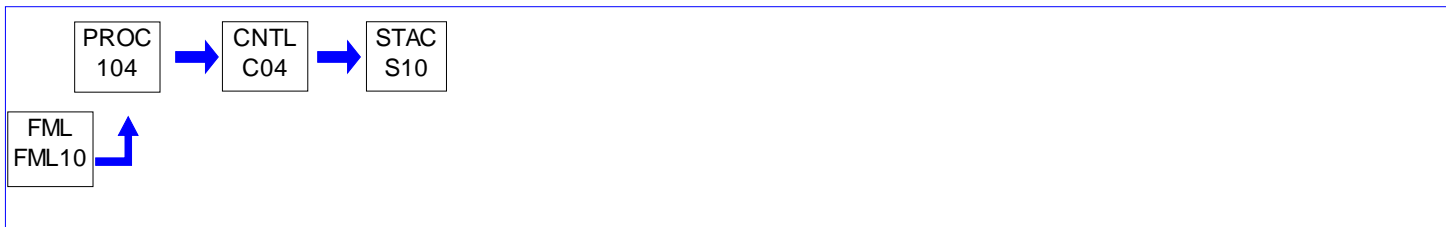
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: THERMAL EGG DRYER

Source Capacity/Throughput:

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

The concentration of particulate matter (expressed as TSP) in the emissions from this source may not exceed 0.04 Grain per Dry Standard Cubic Foot of Total Suspended Particulate.

**# 002 [25 Pa. Code §123.21]****General**

The concentration of sulfur oxides (expressed as SO<sub>2</sub>) in the emissions from this source may not exceed 500 PPM by Volume of Sulfur Dioxide over any 1-hour period.

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

(a) The visible air contaminants from the RTO shall not be emitted in such a manner that the opacity of the emissions is either of the following:

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

**Operation Hours Restriction(s).****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The egg drying operation shall not be operated without the simultaneous operation of the Regenerative Thermal Oxidizer (RTO).

**Throughput Restriction(s).****# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

During start-up of the RTO, no egg waste may be introduced into the dryer prior to the RTO achieving an operating temperature of 1700°F.

**Control Device Efficiency Restriction(s).****# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The RTO shall operate at a temperature of not less than 1700°F with a retention time of at least one second.

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

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

**III. MONITORING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

Temperature sensing and recording devices shall be installed at a place approved by the Department to show that the exhaust gases, prior to leaving the RTO, have achieved a temperature of not less than 1700°F. The gases are to have a retention time of not less than 1.0 seconds at that temperature.

**# 008 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

The permittee shall ensure that the control device shall be equipped with the applicable monitoring equipment and the monitoring equipment shall be installed, calibrated, operated, and maintained according to the vendor's specifications at all times the control device is in use.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 009 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) Temperatures shall be recorded whenever the RTO is in operation. The recording charts shall be made available to Department personnel upon request.

(b) These records shall be maintained for a period of time not less than five (5) years.

**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: 107

Source Name: EGG WASTE PROCESSING AREA, INFLUENZA VACCINE MFG, BLDG 59

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) Pursuant to the Best Available Control Technology provision of 25 PA Code, Chapter 127, the RTO shall meet the following limitations:

- (1) Destruction Efficiency--- 98 % destruction efficiency or 25 ppm outlet concentration (measured as methane) for the VOCs (Volatile Organic Compounds) emission in the control device.
- (2) Total particulate emissions including PM10 shall not exceed 0.04 grains per dscf from the RTO.
- (3) Sulfur Oxide emission shall not exceed 500 ppm.

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

Pursuant to the provision of 25 PA Code, Chapter 123, Section 123.31, there shall be no malodors emissions from any operation related to any sources covered by this permit.

**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Temperature sensing and recording devices shall be installed to show that the minimum temperature maintained in the thermal incinerator is 1700 °F.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

If at any time the Department has cause to believe that air contaminant emissions from Source ID 107 may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rates. Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

**III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The company shall ensure that the control devices shall be equipped with the applicable monitoring equipment and the

**SECTION D. Source Level Requirements**

monitoring equipment shall be installed, calibrated, operated, and maintained according to the vendor's specifications at all times the control device is in use.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this permit. The file shall include, but not be limited to: all air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this permit. All measurements, records and other data required to be maintained by the company shall be retained for at least two (2) years following the date on which such measurements, records or data are recorded.

(b) The operating temperature of the thermal incinerator shall be continuously measured and recorded. The temperature shall be monitored and maintained at the minimum temperature as required by this permit. The recording charts shall be made available to the Department personnel upon request.

**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 §127.512]**

**Operating permit terms and conditions.**

(a) The company shall ensure that the capture system and control devices are operated at all times the processes are in operation.

(b) Source ID 107 may only be operated as long as the associated air pollution control devices is operated and maintained in accordance with the specifications set forth in this operating permit and in accordance with any conditions set forth herein.

(c) The company shall maintain and operate the air pollution control equipment and sources in accordance with good engineering practice.

**VII. ADDITIONAL REQUIREMENTS.**

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

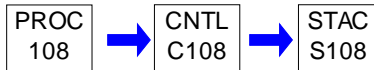
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: BUFFERING REAGENT HANDLING AREA, BLDG 59

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.512]

**Operating permit terms and conditions.**

(a) Pursuant to the Best Available Technology provision of 25 PA Code, Chapter 127, the facility is subject to the following air contaminant emission limitations:

- (1) Total Particulate (including PM10)--- 0.02 grains per dscl from the processes.

**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 §127.512]

**Operating permit terms and conditions.**

(a) Mechanical gauges shall be installed and maintained to indicate, in inches of water column, the static pressure differential across the dust collector.

(b) The company shall ensure that the control devices shall be equipped with a device for monitoring the pressure differential across the system. The control devices shall be installed, calibrated, operated, and maintained according to the vendor's specifications at all times the control device is in use.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.512]

**Operating permit terms and conditions.**

The permittee shall record the pressure drop across the dust collector. At a minimum these recordings shall be taken once per week, while the source and collector is in operation. The recordings shall be maintained in a logbook or electronic record and made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.512]

**Operating permit terms and conditions.**

The storage and handling of the material collected in the air cleaning devices associated with Source ID 108 shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in Section 123.1 of chapter 123

**SECTION D. Source Level Requirements**

of the Rules and Regulations of the Department of Environmental Protection.

**# 005 [25 Pa. Code §127.512]**

**Operating permit terms and conditions.**

(a) Dust collected in the baghouse filters shall be discharged into closed containers only.

(b) The permittee shall keep on hand a sufficient quantity of spare baghouse bags/filters for the baghouse dust collectors associated with Source ID 108 in order to be able to immediately replace any bags/filters requiring replacement due to deterioration resulting from routine operation of the source(s) and dust collectors.

**VII. ADDITIONAL REQUIREMENTS.**

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

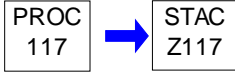
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: INFLUENZA VACCINE MFG OPERATIONS -B79

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. \*\*\***

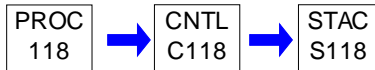


**SECTION D. Source Level Requirements**

Source ID: 118

Source Name: REAGENT DISPENSING/BUFFER PREP LAB HOODS

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: EGG WASTE DEHYDRATOR #1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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: 120

Source Name: EGG WASTE DEHYDRATOR #2

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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: 121

Source Name: EGG WASTE DEHYDRATOR #3

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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. \*\*\***

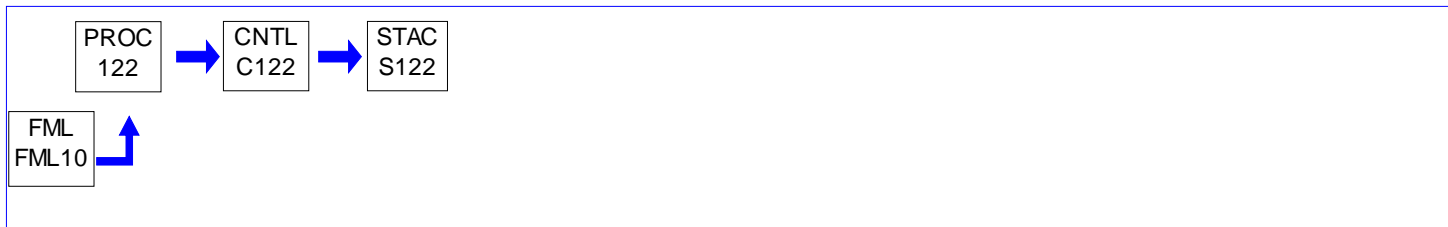
**SECTION D. Source Level Requirements**

Source ID: 122

Source Name: EGG WASTE DEHYDRATOR #4

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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. \*\*\***

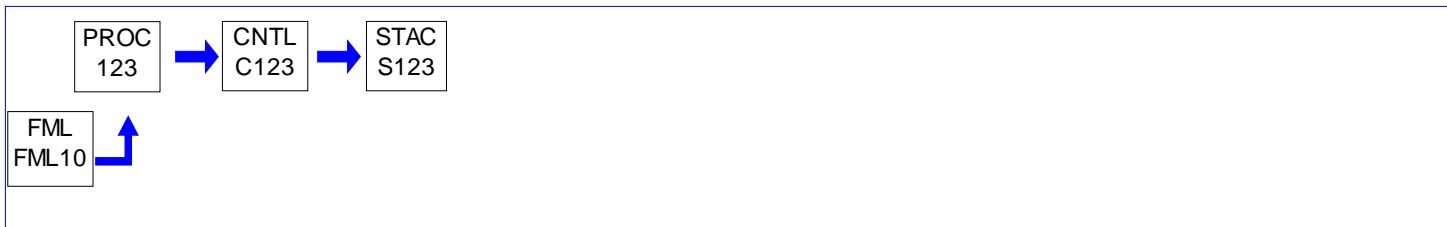
**SECTION D. Source Level Requirements**

Source ID: 123

Source Name: EGG WASTE DEHYDRATOR #5

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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. \*\*\***

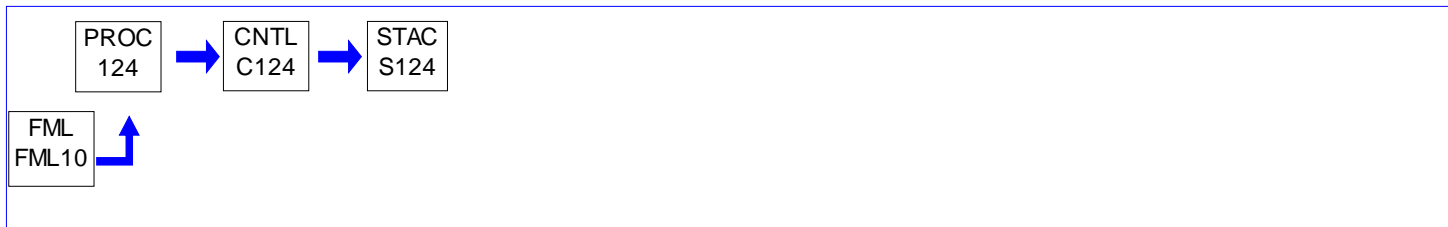
**SECTION D. Source Level Requirements**

Source ID: 124

Source Name: EGG WASTE DEHYDRATOR #6

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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: 125

Source Name: EGG WASTE DEHYDRATOR #7

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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. \*\*\***

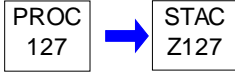


**SECTION D. Source Level Requirements**

Source ID: 127

Source Name: B79 WASTE WATER

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).

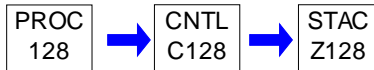
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 128

Source Name: THREE (3) COOLING TOWERS

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: 129

Source Name: DRY CHEMICAL WEIGH STATION

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: 130

Source Name: EGG WASTE DEHYDRATOR #8

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP 02

**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 E. Source Group Restrictions.**

Group Name: GROUP 01

Group Description: BOILERS

Sources included in this group

| ID  | Name      |
|-----|-----------|
| 031 | BOILER 1  |
| 032 | BOILER 2  |
| 036 | BOILER 3  |
| 039 | BOILER 6  |
| 040 | BOILER 7  |
| 041 | BOILER 8  |
| 042 | BOILER 9  |
| 043 | BOILER 10 |

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) Pursuant to the Best Available Technology provision of 25 Pa. Code §§127.1 and 127.12(a)(5), each boiler is subject to the following air contaminant emission limitations.

## Pollutant

|                                    |  |
|------------------------------------|--|
| Nitrogen Oxides (NO <sub>x</sub> ) | 90 ppm <sub>dv</sub> at 3 % O <sub>2</sub> , while firing #2 fuel oil<br>30 ppm <sub>dv</sub> at 3 % O <sub>2</sub> , while firing natural gas |
| Carbon Monoxide (CO)               | 100 ppm <sub>dv</sub> at 3% O <sub>2</sub> ,   |

(b) The sulfur content of No.2 Fuel Oil shall not exceed 0.05% by weight at any time pursuant to the limitations of 25 Pa. Code, Chapter 123, Section 123.22(a)(2). This streamlined condition satisfies 40 CFR § 60.42c(d).

(c) Pursuant to the provision of 25 Pa. Code §123.11 (relating to combustion units), Particulate matter emissions from each boiler shall not be in excess of 0.4 pound per million Btu of heat input.

(d) Pursuant to the provision of 25 Pa. Code, Chapter 123, Section 123.41, & New Source Performance Standards (NSPS) Subpart Dc, the visible air contaminant from Boilers 3 & Boilers 6 - 10 shall not be emitted in such a manner that the opacity of the emissions is equal to or greater than 20 % for a period or periods aggregating more than 3 minutes in any one hour; or equal to or greater than 27% at any time. This streamlined condition satisfies the applicable subpart in 40 CFR § 60.43c.

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

(a) The company shall monitor sulfur content in #2 Fuel Oil by certification from the fuel supplier for each shipment prior to any amount of fuel oil being combusted.

(b) The certification required by this condition may be based on sampling by the fuel supplier of the oil placed in storage in the tank or tanks from which the fuel supplier draws oil for shipment to the company.

**SECTION E. Source Group Restrictions.****# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

- (a) The company shall install and maintain the necessary meter(s) to determine and to record amount of fuel usage.
- (b) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this permit. The file shall include, but not be limited to: all air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this plan approval. All measurements, records and other data required to be maintained by the company, including a determination of each emissions unit 12-month rolling total emissions and other records required by 40 CFR 52.21(aa)(13), shall be retained for at least five years following the date on which such measurements, records or data are recorded.
- (c) The company shall maintain daily records for all boilers except Boiler 2 with heat inputs of 10 MMBtu/hr or greater indicating the fuel type, average hourly firing rate, and total quantity used in accordance with 40 CFR §60.48c(g). Records shall be kept for the fuel firing rates for the combustion units on a monthly basis in order to determine sulfur dioxide (SO<sub>2</sub>) emissions in accordance with 40 CFR §60.48c(d).
- (d) The company shall maintain daily records for Boiler 2 indicating the fuel type, average hourly firing rate, and total quantity used. Records shall be kept for the fuel firing rates of the combustion unit on a monthly basis in order to determine sulfur dioxide (SO<sub>2</sub>) emissions.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

- (a) The company shall comply with the recordkeeping and certification requirements in accordance with 40 CFR §§60.46c(e), 60.42c(h) and 60.48c(f)(1). Reports shall be submitted on a quarterly basis unless no excess emissions occurred. If there are no excess emissions, the company shall semi-annually report that no excess emissions occurred during the semi-annual reporting period. The provisions of NSPS Subpart Dc (40 CFR 60.40c - 60.48c) do not apply to Boiler 2.
- (b) The company shall maintain adequate records of changes made to the sources at the facility under this permit so as to ensure proper recordkeeping and reporting and shall update the facility emitting source list at the time of permit renewal.

**V. REPORTING REQUIREMENTS.****# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

- (a) These Boilers are subject to Subpart Dc of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart.
- (b) 40 CFR §60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:
- Enforcement & Compliance Assurance Division  
Air, RCRA and Toxics Branch (3ED21)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852
- (c) #2 Fuel Oil Tank is subject to Subpart Kb of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart.

The provisions of NSPS Subpart Dc (40 CFR 60.40c - 60.48c) do not apply to Boiler 2.

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

- (a) These Group 01 Sources may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in this operating permit and in accordance with any conditions set forth herein.
- (b) The company shall perform an annual adjustment and/or tune-up on the combustion process as per manufacturer specifications.
- (c) The company shall maintain and operate boilers in accordance with the manufacturer's specifications and with good engineering practice.

**VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

40 CFR 63.11237

These boilers are exempt from 40 CFR 63 Subpart JJJJJJ, if they meet the following requirement(s):

- (a) The boilers shall only fire natural gas except during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.
- (b) Whenever the boilers are fired on anything other than natural gas, the facility shall keep records of the hours of operation and type of fuel used.
- (c) If the conditions described above are not met, the facility shall immediately comply with the requirements of 40 CFR Part 63 Subpart JJJJJJ. The requirements of 40 CFR Part 63 Subpart JJJJJJ will remain in effect throughout the remaining term of the permit.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 02

Group Description: EGG WASTE DEHYDRATORS

Sources included in this group

| ID  | Name                    |
|-----|-------------------------|
| 119 | EGG WASTE DEHYDRATOR #1 |
| 120 | EGG WASTE DEHYDRATOR #2 |
| 121 | EGG WASTE DEHYDRATOR #3 |
| 122 | EGG WASTE DEHYDRATOR #4 |
| 123 | EGG WASTE DEHYDRATOR #5 |
| 124 | EGG WASTE DEHYDRATOR #6 |
| 125 | EGG WASTE DEHYDRATOR #7 |
| 130 | EGG WASTE DEHYDRATOR #8 |

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) Pursuant to the Best Available Control Technology provision of 25 PA Code, Chapter 127, the dehydrators shall meet the following limitations:

- (1) Volatile Organic Compounds emission VOC emissions- less than 25 ppm concentration (measured as methane).
- (2) Total particulate emissions including PM10 shall not exceed 0.04 grains per dscf.
- (3) Sulfur Oxide emission shall not exceed 500 ppm.

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

Pursuant to the provision of 25 PA Code, Chapter 123, Section 123.31, there shall be no malodors emissions from any operation related to any sources.

**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Pursuant to the provision of 25 PA Code, Chapter 123, Section 123.41, the visible air contaminant from the dehydrators stack shall not be emitted in such a manner that the opacity of the emissions is equal to or greater than 20 % for a period or periods aggregating more than 3 minutes in any one hour; or equal to or greater than 60% at any time.

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

**III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Temperature sensing and recording devices shall be installed to show that the minimum temperature maintained in the thermal oxidation chamber is 1,500 degree F, or at a new operating temperature that demonstrates compliance with the



**SECTION E. Source Group Restrictions.**

VOC emission limit in Condition 001, as verified through stack testing or otherwise approved by the Department.

**# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment when operating the dehydrator's thermal oxidation chamber:

(a) A temperature monitoring device equipped with a continuous recorder and having an accuracy of (+/-) 1 percent of the temperature being measured expressed in degrees Celsius or degrees Fahrenheit (+/-) 0.5°C or (+/-) 0.9°F, whichever is greater.

**# 007 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

1. The company shall ensure that the dehydrator thermal oxidation chamber shall be equipped with the applicable monitoring equipment and the monitoring equipment shall be installed, calibrated, operated, and maintained according to the vendor's specifications at all times the control device is in use.

2. The operating temperature of the thermal oxidation chamber shall be continuously measured and recorded.

**IV. RECORDKEEPING REQUIREMENTS.****# 008 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The company shall maintain records in accordance with the recordkeeping requirements of this plan approval and shall include as a minimum the following:

(a) The records shall provide sufficient data to clearly show VOC emissions emitted from these sources. These records shall be maintained for five (5) years.

**# 009 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The temperature shall be monitored and maintained at the minimum temperature achieved during the performance test in which compliance with the emission limitations was demonstrated. The average combustion temperature shall be measured at least every 15 minutes and averaged over the same time period of the performance test.

**V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Any changes in the location of the aforementioned source(s), or any changes in the process or control equipment would be consider a modification and would require the submittal of a plan approval in accordance with the provisions of 25 PA Code 127.11 and 127.12.

**# 011 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

Any notification as a result of any condition herein should be directed to:

Mark J. Wejkszner, P.E.  
Air Quality Program Manager  
Department of Environmental Protection  
2 Public Square  
Wilkes-Barre, PA 18701-1915

**# 012 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, recordkeeping and reporting errors, or other possible non-compliance issues which occur at this facility 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. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

**SECTION E. Source Group Restrictions.**

(b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from this plan approval requirements.

(c) When the malfunction, recordkeeping and reporting errors, excess emissions or deviation from this plan approval requirements poses an imminent and substantial danger to the public health and safety or potential harm to the environment, the permittee shall notify the Department by telephone at (570) 826-2511 no later than one (1) hour after the incident.

(d) Any malfunction, recordkeeping and reporting errors, excess emissions or deviation from this plan approval requirements that is not subject to the notice requirements of subsection (c) of this permit condition shall be reported to the Department within twenty-four (24) hours of discovery. In notifying the Department, the permittee shall describe the following:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction, recordkeeping and reporting errors, or breakdown;
- (iii) time when the malfunction, recordkeeping and reporting errors, or breakdown was first observed;
- (iv) expected duration of excess emissions;
- (v) estimated rate of emissions; and (vi) corrective actions or preventative measures taken.

(e) The permittee shall notify the Department within one day when corrective measures have been accomplished.

(f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within fifteen (15) days of the malfunction, excess emissions or deviations from this plan approval requirements.

**VI. WORK PRACTICE REQUIREMENTS.****# 013 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

1. The aforementioned source(s) may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth there in.

2. The company shall maintain and operates the air pollution control equipment and sources in accordance with good engineering practice.

3. The company shall ensure that all openings are closed within the enclosures used to capture the VOC's from the processes and the control device is operated to the maximum extent practical for good manufacturing & engineering practices.

**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

A. In accordance with manufacturer's recommendations, complete maintenance once a year that includes:

- 1. Inspection and maintenance of the burner, which should be executed by qualified technician.
- 2. Cleaning of the ductwork within the system between the dehydration tank and combustion chamber.
- 3. A complete cleaning of the combustion chamber fan.

B. In accordance with general maintenance recommendations:

- 1. Conduct regular cleaning and lubrication of primary components including bearings and seals.
- 2. Perform regular, periodic checks of the combustion chamber fan, cooling fan and exhaust fan.

**VII. ADDITIONAL REQUIREMENTS.****# 015 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.

**SECTION E. Source Group Restrictions.**

# 016 [25 Pa. Code §127.512]

**Operating permit terms and conditions.**

The thermal oxidation chamber shall be equipped, operated, and maintained with low NOx burner technology.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 03

Group Description: BOILERS (3)

Sources included in this group

| ID  | Name      |
|-----|-----------|
| 046 | BOILER 13 |
| 047 | BOILER 14 |
| 048 | BOILER 15 |

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

1. Pursuant to the Best Available Technology provision of 25 Pa. Code §§127.1 and 127.12(a)(5), each boiler is subject to the following air contaminant emission limitations.

## Pollutant

Nitrogen Oxides (NOX)- 30 ppm<sub>dv</sub> at 3 % O<sub>2</sub>, while firing natural gasCarbon Monoxide (CO)- 100 ppm<sub>dv</sub> at 3% O<sub>2</sub>,

2. Pursuant to the provision of 25 Pa. Code §123.11 (relating to combustion units), Particulate matter emissions from each new boiler shall not be in excess of 0.4 pound per million Btu of heat input.

3. Pursuant to the provision of 25 Pa. Code, Chapter 123, Section 123.41, the visible air contaminant from the boilers shall not be emitted in such a manner that the opacity of the emissions is equal to or greater than 20 % for a period or periods aggregating more than 3 minutes in any one hour; or equal to or greater than 60% at any time.

**II. TESTING REQUIREMENTS.****# 002 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

(a) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) If the results of the required stack test exceed any limit defined in this plan approval, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the plan approval, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the plan approval to operate the affected source.

**III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

1. The company shall install and maintain the necessary meter(s) to determine and to record amount of fuel usage.

2. The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this plan approval. The file shall include, but not be limited to: all air pollution control systems performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment

**SECTION E. Source Group Restrictions.**

which is subject to this plan approval. All measurements, records and other data required to be maintained by the company, including a determination of each emissions unit 12-month rolling total emissions and other records required by 40 CFR 52.21(aa)(13), shall be retained for at least five years following the date on which such measurements, records or data are recorded.

3. The company shall record and maintain records of the amount of natural gas combusted during each calendar month by each boiler in accordance with 40 CFR §60.48c(g)(1).

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

1. The company shall comply with the recordkeeping and certification requirements in accordance with 40 CFR §§60.46c(e), 60.42c(h) and 60.48c(f)(1). Reports shall be submitted on a quarterly basis unless no excess emissions occurred. If there are no excess emissions, the company shall semi-annually report that no excess emissions occurred during the semi-annual reporting period.

2. The company shall maintain adequate records of changes made to the sources at the facility under this Plan Approval so as to ensure proper recordkeeping and reporting and shall update the facility emitting source list at the time of permit renewal.

**# 005 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

The permittee shall keep record on a monthly basis to verify compliance with pollutants PSD and NNSR PAL emissions limitations in tons per year.

**V. REPORTING REQUIREMENTS.****# 006 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

1. Boilers are subject to Subpart Dc of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR §60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

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

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

1. The aforementioned source(s) may only be operated as long as the associated air pollution control devices are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.

2. The company shall perform an annual adjustment and/or tune-up on the combustion process as per manufacturer specifications.

3. The company shall maintain and operates boilers in accordance with the manufacturer specification and with good engineering practice.

**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.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

(a) The Department received the operating permit application for this facility on 06/09/2022. The facility is required to pay an Annual Operating Permit Maintenance Fee in accordance with Pennsylvania Code, Title 25, Chapter 127, Section 127.704(d). The Annual Maintenance Fee is due on or before December 31 of each year for the next calendar year.

(b) The facility operated under Operating Permit #45-00005 before issuance of this permit.

(c) This is a Title V Operating Permit facility. This Title V Operating Permit incorporates Plan Approval 45-00005A (which is a PAL Permit) and was issued on 12/02/2014. The PAL Permit associated with this Plan Approval is issued for a 10 year term and expires on 12/02/2024. This Title V Permit also incorporates the following Plan Approvals, General Permits and RACT Permits:

- Plan Approval No. 45-302-073 issued 02/13/2004 (previous PAL Permit).
- RACT No. 45-0005 issued 05/31,1996 and Plan Approval No. 45-302-078 issued 12/31/2012 for the Boilers and some Emergency Generators.
- GPs 45-329-001, 002, 003, 007, 011 Emergency Generators.
- Plan Approval No. 45-399-012 issued 08/01/1997 and Plan Approval No. 45-399-014 issued May 27, 2003 to install a replacement RTO.
- Plan Approval No. 45-399-016 issued 07/25/2006 for Egg Waste processing and Buffering Reagent Handling.
- Plan Approval No. 45-00005B issued 08/10/2016 for the installation and operation of influenza vaccine manufacturing equipment.
- Plan Approval No. 45-00005C issued 05/06/2016 for the installation and operation of two (2) natural gas fired boilers (49.00 MMBTU/hr each).

(d) The following is a list of sources that have been determined by the Department to be of minor significance under 25 Pa. Code, Chapter 127, Section 127.14(a)(8) and are exempt from plan approval requirements under §127.11 and §127.12. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-143:

The following Request for Determinations (RFD's) have been issued for the facility. A number of RFD's that were withdrawn after the projects were cancelled are not listed:

- RFD\*Online #246; 12/17/2007 - Temporary boiler in Building 28.
- RFD\*Online #882; 05/22/2009 - Burner replacement for Boiler 6 in Building 58 (Never installed).
- 45-0309 (RFD\*Online #961; 07/10/2009) - Increased production of Process 104 (Thermal Egg Dryer) and associated control device 104 (regenerative thermal oxidizer), in Building 37.
- 45-0311 (RFD\*Online #990; 07/29/2009) - Addition of 9 HEPA filter systems to the influenza vaccine process during the renovation of Building 37.
- 45-0312 - Temporary back-up portable emergency generator.
- 45-0313 - Temporary emergency generator.
- 45-0315 (RFD\*Online #1099; 02/05/2010) - Addition of HEPA filter system to the cart washer exhaust in the influenza vaccine process during the renovation of Building 37.
- 45-0316 (RFD\*Online #1309; 02/22/2010) - Replacement of cooling tower as part of Building 37.
- 45-0322 (RFD\*Online #1472; 06/22/2010) - Liquid Bio-waste Tank and Fermenter Vent (Building 46) for the addition of a 0.2 micrometer vent filter followed by a 220 degree C thermal inactivator.
- 45-0326 - Temporary emergency portable generator.
- 45-0330 (RFD\*Online #1895; 01/03/2011) - Meninge process fume hood.
- 45-0334 (RFD\*Online #2122; 04/27/2011) - Carbon canister for odor control in Building 55.
- 45-0335 - Temporary portable emergency generator.
- 45-0347 - Temporary emergency generator.
  
- 45-0366 (RFD\*Online #3217; 11/08/2012) - Parts washer with exhaust controlled by HEPA filter in Building 37.
- RFD\*Online #961; 07/10/2009 Vent from vaccine formulation & filling in Building 77.
- RFD\*Online #4864; 02/03/2015 Burner replacements for Boilers 6 -10 in Building 58.
- RFD Issued 09/12/2001 - Temporary emergency generator for Building 37 (possibly listed above).
- RFD Issued 09/12/2001 - Emergency generator for Building 29 (possibly listed above) (Withdrawn 03/2003).
- RFD Issued 09/12/2001 - Emergency generator for water supply (possibly listed above) (Installation indefinitely postponed 03/2003).
- RFD Issued 09/12/2001 - Emergency generator for Building 21 (possibly listed above).
- RFD Issued 05/06/2002 - Temporary emergency generator located outside Building 6, limited to 500 hours per year.
- RFD Issued 11/18/2002 - Ventilation system in Building 53.
- RFD Issued 03/06/2003 - Two 200-hp temporary boilers for Building 56.



**SECTION H. Miscellaneous.**

RFD Issued 03/06/2003 - Emergency generator for Building 58 (possibly listed above).  
RFD Issued 03/06/2003 - Emergency generator for WWTP in Building 29 (possibly listed above).  
RFD Issued 10/27/2004 - Emergency generator #2 in Building 45, 200kW and will operate less than 200 hours.  
RFD Issued 01/12/2005 - Emergency generator in Building 57.  
RFD Issued 07/05/2005 - Emergency generator in Building 60.  
RFD Issued 08/05/2005 - Waste ethanol tank outside Building 56.  
RFD Issued 08/05/2005 - Waste phenol tank in Building 56.  
RFD Issued 08/05/2005 - Waste ethanol tank outside Building 46.  
RFD Issued 08/05/2005 - Ethanol supply tank outside Building 56.  
RFD Issued 08/05/2005 - Phenol totes in Building 56.  
RFD Issued 08/05/2005 - Mercury waste holding tank in Building 49.  
RFD circa 08/1995 - HEPA filters in Building 26.  
RFD circa 08/1995 - HEPA filters in Building 4.  
RFD circa 08/1995 - HEPA filters in Building 28.  
RFD circa 08/1995 - Bag filter in Building 46.  
RFD circa 11/1995 - 0.2 um filter on fill system vent in Building 37.  
RFD circa 11/1995 - 0.2 um filter on fermenter vent in Building 28.  
RFD circa 08/1996 -HEPA filters in Building 9.  
RFD circa 10/1996 -Use of VHP (H2O2) for sterilization plantwide.  
RFD circa 05/1997 -Boilers 1 & 2 in Building 20 limited sulfur content to 0.5% (New Line).  
RFD circa 10/2002 No.2 oil fume ventilation from sub-floor in Building 53.  
RFD circa 05/2006 - Temporary emergency generator for Building 37 (possibly listed above)  
RFD circa 10/2006 - HEPA filters in Building 37.

RFD #45-0381; RFD\*Online #4660; 9/24/2014; B77 formulation & filling BSL-2 lab exhausts.  
RFD #45-0382 issued 02/03/2015 burner replacement.  
RFD #45-0384; RFD\*Online #4995; 4/10/2015; Replacement of B53/B55 emergency generator.  
RFD #45-0385; RFD\*Online #5085; 5/12/2015; Temporary generator for B53/B55 during replacement & relocation of permanent generator (since removed).  
RFD #45-0387; RFD\*Online #5239; 8/20/2015; Temporary generator for B77 pending permanent generator installation (since removed).  
RFD #45-0389; RFD\*Online #5362; 10/7/2015; Temporary generator installed during repair of B45/B50 emergency generator (since removed).  
RFD #45-0392 issued 11/25/2015 for two Caterpillar 3516C-HD TA 2500-kWe emergency generators for B79.  
RFD #45-0393; RFD\*Online #5587; 2/29/2016; Temporary generator for B77 operation extended to provide for B77 and B57 during equipment reconfiguration (since removed).  
RFD #45-0395; RFD\*Online #5695; 5/3/2016; GCI laboratory exhausts in B55 venting labs indoors.  
RFD #45-0399; RFD\*Online #5856; 9/8/2016; B59 egg waste dryer replacement with stainless steel unit.  
RFD #45-0400; RFD\*Online #5963; 10/4/2016; temporary generator for B77 project support trailers during repair of switch gear.  
RFD #45-0401; RFD\*Online #5996; 11/9/2016; 2 800-hp, natural-gas fired temporary rental boilers during replacement of steam line to B59.  
RFD #45-0402; RFD\*Online #6011; 11/17/2016; Temporary generator to provide lighting during construction of B79 & B80 (since removed).  
RFD #45-0403; RFD\*Online #6020; 12/6/2016; Replacement of B57 emergency generator with the former B53/B55 emergency generator to provide emergency power for B57 & B77.  
RFD #45-0406; RFD\*Online #6238; 4/10/2017; B75 Quality Control fume hoods & biosafety cabinets.  
RFD #45-0407; RFD\*Online #6283; 4/25/2017; B79 DMI Dehydrator #8 to process egg waste.  
RFD #45-0408; RFD\*Online #6285; 4/25/2017; Substitute B80 cooling towers model approved under Plan Approval 45-00005B to three Evapco Model UT-224-4018, 4500-gpm, 1500-ton cooling, towers.  
RFD #45-0409; RFD\*Online #6286; 4/25/2017; Substitute B80 boilers approved under Plan Approval 45-00005C to three 800-hp (32.7 MMBtu/hr) Cleaver Brooks CBEX Boilers firing natural gas with No. 2 oil capability.  
RFD #45-0410; 4/25/2017 Substitute B79 emergency generators approved under RFD #45-0392 to Caterpillar C175-16 SCAC 3000-kWe generator and a Caterpillar C32 ATAAC 1000-kWe generator.  
RFD #45-0412; RFD\*Online #6367; 6/29/2017; B55 Global Clinical Immunology (GCI) labs BSL-2 and BSL-3 laboratory fume hoods and biosafety cabinets on second & third floors.  
RFD #45-0414; RFD\*Online #6478; 8/11/2017; Move Meninge conjugate processing and associated laboratory hood exhausts from Bldg. 46 to Bldg. 56.

RFD\*Online 6657; 10/25/2017; Temporary WWTP Pump Engine (since removed).” (Note: RFD\*Online 6653; Substitute B80 boilers

**SECTION H. Miscellaneous.**

approved under Plan Approval 45-00005C and RFD #45-0409/RFD\*Online #6286 for three 800-hp (33.4 MMBtu/hr.) Superior Boiler Works Mohican Boilers firing natural gas.

**RACT II**

The potential emissions of NOx are limited to below 100 tpy by the facility's PAL permit (Plan Approval No. 45-00005A issued 12/04/2014). The potential emissions of VOC have never exceeded 50 tpy. Therefore, Pursuant to 25 Pa. Code §129.96, the Sanofi Swiftwater Facility is not subject to the NOx requirements or the VOC requirements of the RACT II regulations.

## Reference |

Determination Basis Status Description of Activity / Purpose Submission Date Decision Date Comment | Notes

45-0334  
(RFD\* Online 2122) UPDATE LIST Carbon canisters providing odor control of new Building 55 Clostridium difficile process vents. 4/26/2011, 4/27/2011

SOURCE VOID | Operations were never fully brought on-line.

NOTE: The system/activity for which this RFD was initiated never fully came into use as planned. As such, operations were fully suspended in mid-2015. Since that time the facilities have been effectively unused; with plans to repurpose the area and remove the equipment. B55.

## RFD\*Online 6653 ADDITION

Substitute B80 boilers approved under Plan Approval 45-00005C and RFD #45-0409/RFD\*Online #6286 to three 800-hp (33.4 MMBtu/hr.) Superior Boiler Works Mohican Boilers firing natural gas 10/13/2017 12/12/2017 Determination Rendered | Plan approval not required. B80.

## 45-7264 ADDITION

Seven (7) natural gas-fired air handling units (AHUs) are being installed in Building 80, the permitted new central utility building, to provide space heating. 9/10/2018 9/14/2018

Determination of eligibility for exemption from Plan Approval and/or Operating Permit has been rendered. B80.

## RFD\*Online 7747 ADDITION Odor Control System for the egg waste handling and treatment area 5/2/2019 5/9/2019

Determination Rendered | A plan approval is not required for this source (See 25 Pa. Code Section 127.14(a)(1)-(9)). B79.

## RFD\*Online 8154 ADDITION DMI Operating Temperature Change 12/4/2019 12/9/2019

Determination Rendered | A plan approval is not required for this source (See 25 Pa. Code Section 127.14(a)(1)-(9)). B79

## RFD\*Online 8140 ADDITION DMI Operating Cycle Change 4/1/2020 4/8/2020

Determination Rendered | A plan approval is not required for this source (See 25 Pa. Code Section 127.14(a)(1)-(9)). B79.

## RFD\*Online 8509 ADDITION Diesel oil-fired emergency generator for Seed Lab 6/22/2020 6/23/2020

Determination Rendered | A plan approval is not required for this source (See 25 Pa. Code Section 127.14(a)(1)-(9)). B78

NOTE: Generator included in list of active emergency generators identified within TVOP PROC 103 source referenced exhibit.

## RFD\*Online 9186 ADDITION Installation of diesel-fired fire water pump - East Campus 6/15/2021 6/16/2021

Determination Rendered | A plan approval is not required for this source (See 25 Pa. Code Section 127.14(a)(1)-(9)). B82.

RACT III IS NOT APPLICABLE.



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

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