



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: January 31, 2024

Effective Date: January 31, 2024

Expiration Date: January 30, 2029

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: 49-00001**

Federal Tax Id - Plant Code: 22-2763306-1

Owner Information

Name: MT CARMEL COGEN INC  
Mailing Address: MARION HEIGHTS RD  
MARION HEIGHTS, PA 17832

Plant Information

Plant: MT CARMEL COGEN/CULM FIRED COGEN PLT  
Location: 49 Northumberland County 49921 Mount Carmel Township  
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: MICHAEL STAHR  
Title: GENERAL MANAGER  
Phone: (570) 373 - 3999 Email: mstahr@mtcarmelcogen.com

Permit Contact Person

Name: MICHAEL STAHR  
Title: GENERAL MANAGER  
Phone: (570) 373 - 3999 Email: mstahr@mtcarmelcogen.com

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



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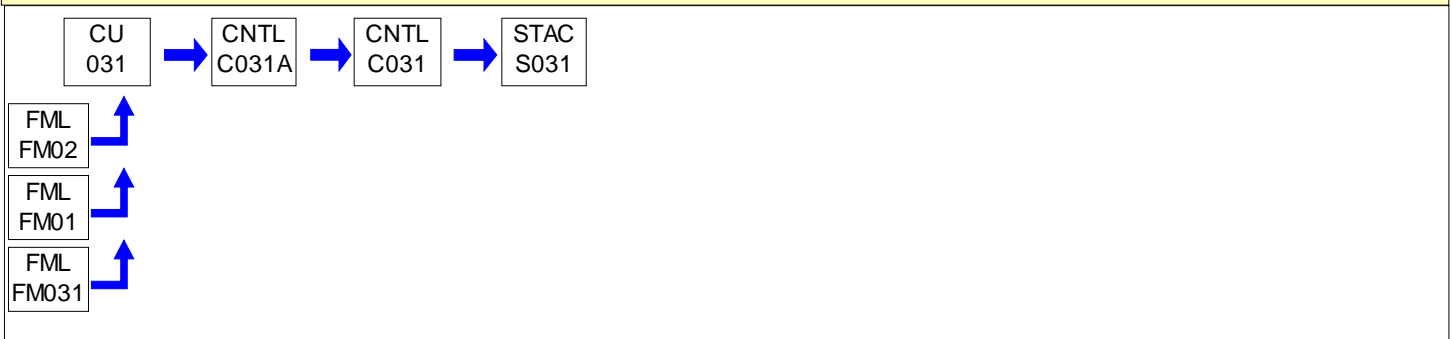
### Section H. Miscellaneous

**SECTION A. Site Inventory List**

| Source ID | Source Name                           | Capacity/Throughput | Fuel/Material   |
|-----------|---------------------------------------|---------------------|-----------------|
| 031       | CFB BOILER (COGEN)                    | 623.500 MMBTU/HR    |                 |
|           |                                       | 90.000 Tons/HR      | ANTHRACITE CULM |
| 032       | BOILER                                | 8.400 MMBTU/HR      |                 |
| P101      | 2 CULM DAY BINS                       |                     |                 |
| P102A     | LIMESTONE STORAGE BIN "A"             |                     |                 |
| P102B     | LIMESTONE STORAGE BIN "B"             |                     |                 |
| P103A     | ASH VACUUM CONVEYOR SYSTEM LINE "A"   |                     |                 |
| P103B     | ASH VACUUM CONVEYOR SYSTEM LINE "B"   |                     |                 |
| P104      | PNEUMATIC CONVEY SYS & STORAGE SILO   |                     |                 |
| P105      | ASH LOADOUT & HANDLING OPERATIONS     |                     |                 |
| P106      | BACKUP CULM CRUSHING & CONVEYING SYS. |                     |                 |
| P107      | TRANSFER TOWER 2                      |                     |                 |
| P108      | TROMMEL SCREEN                        |                     |                 |
| P109      | EMERGENCY FIRE PUMP                   |                     |                 |
| P112      | CULM CONVEYING OPERATIONS             |                     |                 |
| P113      | RADIAL STACKER & STOCKPILE            |                     |                 |
| P206      | MAIN CULM PROCESSING PLANT            |                     |                 |
| P207      | 8 STORAGE TANKS                       |                     |                 |
| P208      | GASOLINE STORAGE TANK                 |                     |                 |
| C031      | BAGHOUSE CFB BOILER (COGEN)           |                     |                 |
| C031A     | LIMESTONE INJECTION SYSTEM            |                     |                 |
| C101      | FABRIC COLLECTOR CULM DAY BINS        |                     |                 |
| C102A     | FABRIC COLLECTOR LIMESTONE SILO "A"   |                     |                 |
| C102B     | FABRIC COLLECTOR LIMESTONE SILO "B"   |                     |                 |
| C103A     | CENT SEP/FAB COL VAC SYS LINE A       |                     |                 |
| C103B     | CENT SEP/FAB COL VAC SYS LINE B       |                     |                 |
| C104      | 2 FAB COL (SPENT BED & ASH SILO)      |                     |                 |
| C105      | PADDLE MIXER                          |                     |                 |
| C106      | FABRIC COLLECTOR CRUSHER HOUSE        |                     |                 |
| C107      | FABRIC COLLECTOR TRANSFER TOWER 2     |                     |                 |
| C113      | HEAD PULLEY SPRAY BAR                 |                     |                 |
| C206A     | FABRIC COLLECTOR (CR-604-DC)          |                     |                 |
| C206B     | FABRIC COLLECTOR (CR-611-DC)          |                     |                 |
| C206C     | FABRIC COLLECTOR (CR-612-DC)          |                     |                 |
| C206D     | FABRIC COLLECTOR (CR-614-DC-A)        |                     |                 |
| C206E     | FABRIC COLLECTOR (CR-508-DC)          |                     |                 |
| C206F     | FABRIC COLLECTOR (CR-607-DC)          |                     |                 |
| C206G     | FABRIC COLLECTOR (CR-613-DC)          |                     |                 |
| C206H     | FABRIC COLLECTOR (CR-614-DC-B)        |                     |                 |
| FM01      | NATURAL GAS LINE                      |                     |                 |

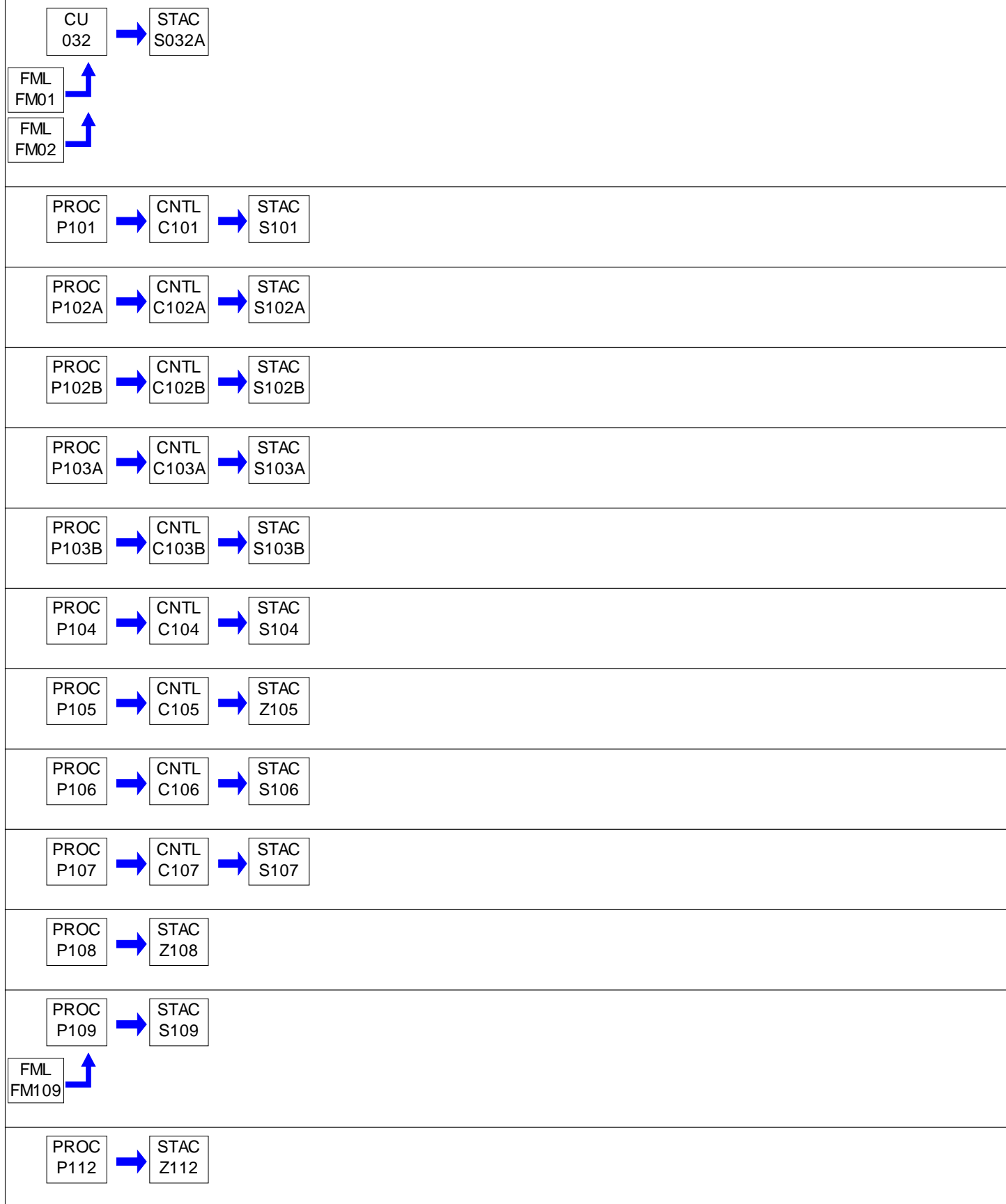
**SECTION A. Site Inventory List**

| Source ID | Source Name                     | Capacity/Throughput | Fuel/Material |
|-----------|---------------------------------|---------------------|---------------|
| FM02      | PROPANE TANKS                   |                     |               |
| FM031     | ANTHRACITE CULM PILE            |                     |               |
| FM109     | 115 GALLON #2 FUEL OIL TANK     |                     |               |
| S031      | CFB BOILER (COGEN) STACK        |                     |               |
| S032A     | BOILER STACK                    |                     |               |
| S101      | DAY BINS FABRIC COLLECTOR STACK |                     |               |
| S102A     | LIMST A FABRIC COLLECTOR STACK  |                     |               |
| S102B     | LIMST B FABRIC COLLECTOR STACK  |                     |               |
| S103A     | ASH VAC A FB CLLCTR STACK       |                     |               |
| S103B     | ASH VAC B FB CLLCTR STACK       |                     |               |
| S104      | PNEUM CONV COLLCTR STACKS       |                     |               |
| S106      | CRUSH CONVY CLLCTR STACK        |                     |               |
| S107      | TRANS TOWR CLLCTR STACK         |                     |               |
| S109      | STACK FIRE PUMP                 |                     |               |
| S206A     | FABRIC COLLECTOR STACK          |                     |               |
| S206B     | FABRIC COLLECTOR STACK          |                     |               |
| S206C     | FABRIC COLLECTOR STACK          |                     |               |
| S206D     | FABRIC COLLECTOR STACK          |                     |               |
| S206E     | FABRIC COLLECTOR STACK          |                     |               |
| S206F     | FABRIC COLLECTOR STACK          |                     |               |
| S206G     | FABRIC COLLECTOR STACK          |                     |               |
| S206H     | FABRIC COLLECTOR STACK          |                     |               |
| Z105      | LOADOUT & HANDL EMISSIONS       |                     |               |
| Z108      | TROMMEL SCREEN EMISSIONS        |                     |               |
| Z112      | CULM CONVEY OPS EMISSIONS       |                     |               |
| Z113      | RADIAL STACKER EMISSIONS        |                     |               |
| Z207      | STORAGE TANK EMISSIONS          |                     |               |
| Z208      | GASOLINE STORAGE TANK EMISSIONS |                     |               |

**PERMIT MAPS**

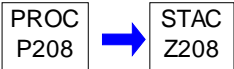
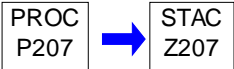
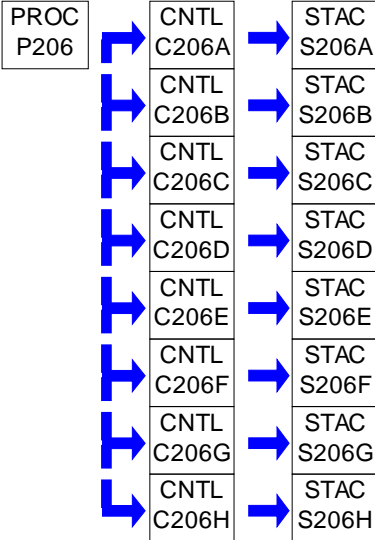
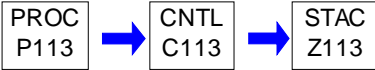


## PERMIT MAPS





**PERMIT MAPS**



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

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

**#002 [25 Pa. Code § 121.7]****Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

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

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

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

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

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

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

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

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

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by



**SECTION B. General Title V Requirements**

the Department.

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

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

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

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

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

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

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

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

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

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

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<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.

**SECTION B. General Title V Requirements**

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

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

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

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

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

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

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

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

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

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

The Title V compliance certification shall be emailed to EPA at [R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov).

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

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

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

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

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

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

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The permittee shall not permit the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in (1) through (8) in condition #001 herein if the emissions are visible at the point the emissions pass outside the permittee's property.

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

The permittee shall 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.

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

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

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) The emission results from sources specified in (1) through (8) in condition #001 herein.

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

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

- (1) The total particulate matter emissions, including fugitive particulate emissions, from Sources P106, P107, P108, P112, and P113 shall not equal or exceed 25 tons in any 12 consecutive month period.
- (2) The emissions of particulate matter less than or equal to 10 micrometers in effective aerodynamic diameter (PM-10), including fugitive PM-10 emissions, from Sources P106, P107, P108, P112 and P113 shall not equal or exceed 15 tons in any 12 consecutive month period.

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

The total combined volatile organic compound emissions from the following sources shall not exceed 49 tons in any 12 consecutive month period:

- (1) Foster Wheeler Circulating Fluidized Bed Boiler (Source 031)

**SECTION C. Site Level Requirements**

- (2) 8.37 million Btu per hour Auxiliary Boiler (Source 032)  
 (3) 187 horsepower Emergency Fire Pump (Source P109)

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

The #2 fuel oil used in all combustion units at the facility shall not exceed 0.0015% sulfur by weight.

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

- (a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one electronic copy shall be sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.
- (d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
  2. Permit number(s) and condition(s) which are the basis for the evaluation.
  3. Summary of results with respect to each applicable permit condition.
  4. Statement of compliance or non-compliance with each applicable permit condition.
- (e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
- (g) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Northcentral Regional Office email can be send at: ra-epncstacktesting@pa.gov. Central office email can be send at: ra-epstacktesting@pa.gov.
- (h) The permittee shall insure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

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

The permittee shall perform such additional stack testing as may be requested by the Department in accordance with such schedule as is specified by the Department.

**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform tests (in accordance with the provisions of 25 Pa. Code Chapter 139) or provide a fuel certification report of the percent sulfur by weight for each delivery of the #2 and lighter fuel oil delivered to this facility,

OR

The permittee shall provide a fuel certification report obtained from the supplier once a year stating that the sulfur percentage for each shipment of #2 and lighter fuel oil delivered to the facility during the year shall not exceed 0.0015% sulfur by weight.

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

The permittee shall provide such culm and/or limestone analyses, or samples, as the Department may request.

**# 012 [25 Pa. Code §139.1]****Sampling facilities.**

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

**# 013 [25 Pa. Code §139.11]****General requirements.**

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

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

- (a) A thorough source description, including a description of any air cleaning devices and the flue.
- (b) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (c) The location of sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures.
- (e) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (f) Laboratory procedures and results.
- (g) Calculated results.

**III. MONITORING REQUIREMENTS.****# 014 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

The permittee shall conduct a daily inspection of the facility during daylight hours while the facility is operating at normal conditions to detect visible emissions, visible fugitive emissions and malodors. Daily inspections are necessary to determine the presence of visible emissions, the presence of visible fugitive emissions and the presence of malodors beyond the boundaries of the facility. All detected visible emissions, visible fugitive emissions or malodors that have the

**SECTION C. Site Level Requirements**

potential to exceed applicable limits shall be reported to the manager of the facility.

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

The permittee shall maintain accurate and comprehensive records of the following:

- (1) Supporting calculations on a monthly basis used to verify compliance with the annual total particulate matter and particulate matter having an aerodynamic diameter less than or equal to 10 micrometers (PM-10) emission limitations for the culm processing operations (Sources P106, P107, P108, P112 and P113)
- (2) Supporting calculations on a monthly basis used to verify compliance with the combined annual volatile organic compound emission limitation for:
  - (a) Foster Wheeler Circulating Fluidized Bed Boiler (Source 031)
  - (b) 8.37 million Btu per hour Auxiliary Boiler (Source 032)
  - (c) 187 horsepower Emergency Fire Pump (Source P109)

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

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

The permittee shall keep records of tests or fuel certification reports of the percent sulfur by weight for each delivery of the #2 and lighter fuel oil delivered to the facility,

OR

The permittee shall keep records of fuel certification reports obtained yearly from the #2 and lighter fuel oil supplier stating that the sulfur percentage for each shipment of fuel delivered to the facility during the year shall not exceed 0.0015 % sulfur by weight.

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

The permittee shall maintain a logbook of the facility inspections performed. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of visible emissions limitations, visible fugitive emissions limitations and malodorous air emissions limitations, and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**# 019 [25 Pa. Code §135.5]****Recordkeeping**

The permittee shall maintain such records including computerized records as may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21. These 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. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

**SECTION C. Site Level Requirements****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (1) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in condition #026 of Section B, General Title V Requirements, no later than September 1 (from July of the previous year through June of the current year).
- (2) The permittee shall submit the semi-annual reports of required monitoring to the Department, as specified in condition #025 of Section B, General Title V Requirements, no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

The following email address shall be used to submit the annual compliance certifications and semi-annual reports to the EPA Region III: R3\_APD\_Permits@epa.gov

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

The permittee shall submit to the Department records of the following on a semiannual basis:

- (1) Calculations used to verify compliance with the annual total particulate matter and particulate matter having an aerodynamic diameter less than or equal to 10 micrometers (PM-10) emission limitations for the culm processing operations (Sources P106, P107, P108, P112 and P113)
- (2) Calculations used to verify compliance with the total combined annual volatile organic compound emission limitation for:
- (a) Foster Wheeler Circulating Fluidized Bed Boiler (Source 031)
  - (b) 8.37 million Btu per hour Auxiliary Boiler (Source 032)
  - (c) 187 horsepower Emergency Fire Pump (Source P109)

Semiannual reports shall be submitted to the Department by September 1 for the preceding period January to June and March 1 for the preceding period July to December.

**# 023 [25 Pa. Code §127.442]****Reporting requirements.**

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
1. name, permit or authorization number, and location of the facility,
  2. nature and cause of the malfunction, emergency or incident,
  3. date and time when the malfunction, emergency or incident was first observed,
  4. expected duration of excess emissions,
  5. estimated rate of emissions,
  6. corrective actions or preventative measures taken.

- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business

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day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

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

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

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

**# 024 [25 Pa. Code §135.21]****Emission statements**

(1) 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.

(2) The annual emission statements 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.

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

(a) A more frequent submission is required by the EPA.

(b) Analysis of the data on a more frequent basis is necessary to implement the requirements of the Air Pollution Control Act.

**# 025 [25 Pa. Code §135.3]****Reporting**

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

(2) A person who receives initial notification by the Department that an annual AIMS report is necessary, shall submit an initial annual AIMS report within sixty (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.

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

**VI. WORK PRACTICE REQUIREMENTS.****# 026 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in (1) through (8) in condition #001 herein. 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

**SECTION C. Site Level Requirements**

trucking or earth moving equipment, erosion by water, or other means.

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

For the transport of any culm into or out of the culm processing operations (Sources P106, P107, P108, P112 and P113) by truck, the permittee shall:

- (1) Maintain asphalt pavement for the first 500 feet of the entranceway to the culm processing operations.
- (2) Maintain all remaining roadways of the culm processing operations with asphalt pavement or chips.
- (3) Keep onsite and make available for use at all times a vacuum-type road sweeper equipped with appropriate air pollution control.

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

The permittee shall use an operable water truck equipped with a pressurized spray bar and a pressurized spray gun or nozzle, to prevent the emission of fugitive particulate matter from roadways and stockpile areas at the facility. Said water truck shall be available on site at all times. The permittee shall implement any effective winterization measures necessary to render this water truck capable of use under all weather conditions.

**VII. ADDITIONAL REQUIREMENTS.****# 029 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001 through 4015).

**# 030 [25 Pa. Code §123.31]****Limitations**

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

**# 031 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This operating permit (TVOP 49-00001) also serves as a Prevention of Significant Deterioration (PSD) permit issued pursuant to the provisions of 40 CFR Section 52.21.

**# 032 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with 40 CFR Part 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs), the owners and operators and the CAIR designated representative of this CAIR source are subject to 40 CFR Section 97.106 (relating to standard requirements), 40 CFR Section 97.206 (relating to standard requirements) and 40 CFR Section 97.306 (relating to standard requirements).

**# 033 [25 Pa. Code §129.14]****Open burning operations**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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



**SECTION D. Source Level Requirements**

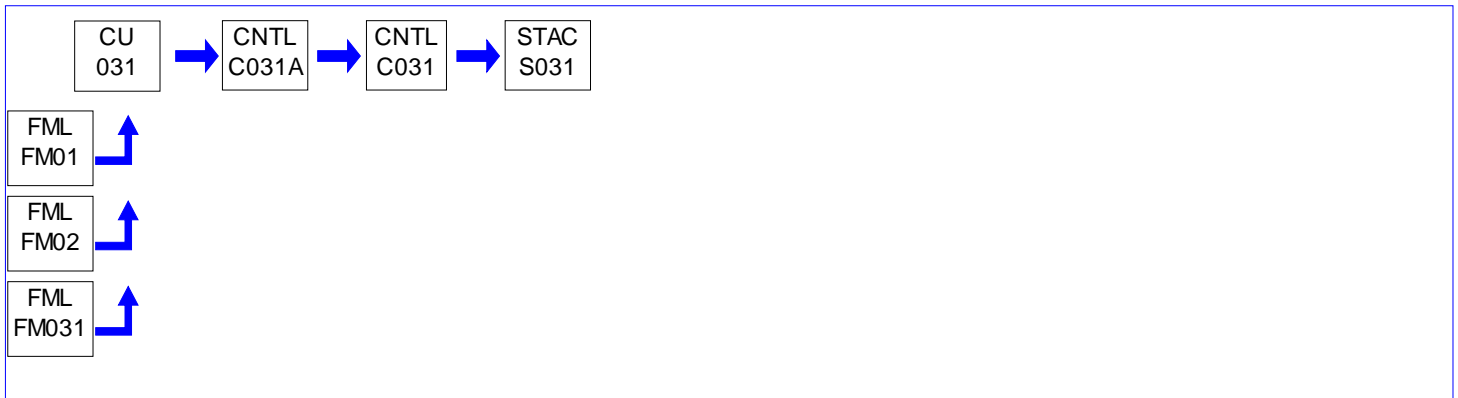
Source ID: 031

Source Name: CFB BOILER (COGEN)

Source Capacity/Throughput: 623.500 MMBTU/HR

90.000 Tons/HR

ANTHRACITE CULM

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 123.11, 123.22, 123.41, 127.1 and 127.12, 40 CFR Section 52.21 and 40 CFR Sections 60.42Da through 60.44Da]

The permittee shall comply with the following air contaminant emissions limitations for Source 031:

- (1) The total particulate matter emissions shall not exceed 0.03 pounds per million BTU of heat input and 17.0 pounds per hour.
- (2) The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) emissions shall not exceed 0.60 pounds per million BTU of heat input and 340 pounds per hour (24 hour average).
- (3) The sulfur dioxide (SO<sub>x</sub>, expressed as SO<sub>2</sub>) emissions shall not exceed 0.24 pounds per million BTU of heat input and 136 pounds per hour (24 hour average).
- (4) The carbon monoxide emissions shall not exceed 0.50 pounds per million BTU of heat input and 283.3 pounds per hour (24 hour average).
- (5) The fluorides (expressed as HF) emissions shall not exceed 3.5 pounds per hour.
- (6) The mercury emissions shall not exceed 0.164 pounds per hour.
- (7) The opacity of the visible air contaminant emissions shall be limited as follows:
  - (a) The visible air contaminant emissions shall not have an opacity greater than 20% (6 minute average) except for one 6 minute period per hour of not more than 27% opacity and
  - (b) The visible air contaminant emissions shall not have an opacity equal to or greater than 20% opacity for a period or periods aggregating more than 3 minutes in any one hour or equal to or greater than 60% opacity at any time.

[Compliance with the requirements specified in this streamlined permit condition also ensures compliance with the provisions in 25 Pa. Code Sections 123.11 and 123.22, and 40 CFR Sections 60.42Da through 60.44Da]

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

The combined total volatile organic compound emissions from the following sources shall not exceed 49 tons in any 12 consecutive month period:

- (1) Foster Wheeler Circulating Fluidized Bed Boiler (Source 031)
- (2) 8.37 million Btu per hour Auxiliary Boiler (Source 032)
- (3) 187 horsepower Emergency Fire Pump (Source P109)

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.9991(a), 63.10000(a) and 63.10042]

- (1) The emission of Mercury (Hg) from Source 031 shall comply with the 4.0E0 lb/TBtu OR 4.0E-2 lb/GWh [30-day LEE testing] limitation.
- (2) These limits apply at all times except during periods of startup and shutdown.
- (3) Limits specified in units of lb/TBtu are based on heat input to the boiler. Limits specified in units of lb/GWh are based on gross electrical output. For the purpose of this condition "heat input", "gross output", "startup", and "shutdown" have the meanings specified in 40 CFR § 63.10042.

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.9991(a), 63.10000(a), 63.10005(h) and 63.10042]

- (1) The emissions from Source 031 shall comply with the limitations specified in either (1)(a), (1)(b) OR (1)(c):
  - (a) Filterable Particulate Matter: 3.0E-2 lb/MMBtu OR 3.0E-1 lb/MWh; OR
  - (b) Total non-Hg Metals: 5.0E-5 lb/MMBtu OR 5.0E-1 lb/GWh; OR
  - (c) Individual HAP Metals:
    - (i) Antimony (Sb): 8.0E-1 lb/TBtu OR 8.0E-3 lb/GWh
    - (ii) Arsenic (As): 1.1E0 lb/TBtu OR 2.0E-2 lb/GWh
    - (iii) Beryllium (Be): 2.0E-1 lb/TBtu OR 2.0E-3 lb/GWh
    - (iv) Cadmium (Cd): 3.0E-1 lb/TBtu OR 3.0E-3 lb/GWh
    - (v) Chromium (Cr): 2.8E0 lb/TBtu OR 3.0E-2 lb/GWh
    - (vi) Cobalt (Co): 8.0E-1 lb/TBtu OR 8.0E-3 lb/GWh
    - (vii) Lead (Pb): 1.2E0 lb/TBtu OR 2.0E-2 lb/GWh
    - (viii) Manganese (Mn): 4.0E0 lb/TBtu OR 5.0E-2 lb/GWh
    - (ix) Nickel (Ni): 3.5E0 lb/TBtu OR 4.0E-2 lb/GWh
    - (x) Selenium (Se): 5.0E0 lb/TBtu OR 6.0E-2 lb/GWh
- (2) These limits apply at all times except during periods of startup and shutdown.
- (3) Limits specified in units of lb/MMBtu or lb/TBtu are based on heat input to the boiler. Limits specified in units of lb/MWh or lb/GWh are based on gross electrical output. For the purpose of this condition "heat input", "gross output", "startup", and "shutdown" have the meanings specified in 40 CFR §63.10042.
- (4) In order to qualify as a "Low emitting EGU" (LEE) for non-mercury emission limits, the permittee shall demonstrate by testing that emissions from Source 031 are no greater than 50 percent of the emission limit for all required testing conducted over the previous 3-year period.
- (5) For a qualifying LEE of any non-mercury applicable emission limits, the permittee shall conduct a performance test at least once every 36 calendar months to demonstrate continued LEE status.
- (6) If the permittee chooses to demonstrate compliance through testing for total non-mercury HAP metals or individual HAP metals, the permittee shall also conduct emissions testing for Filterable Particulate Matter in order to demonstrate compliance with 25 Pa. Code § 123.11.

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.9991, 63.10000(a) and 63.10042]

- (1) The emissions from Source 031 shall comply with the limitations specified in either (1)(a) OR (1)(b):
  - (a) Hydrogen Chloride (HCl): 2.0E-3 lb/MMBtu OR 2.0E-2 lb/MWh; OR
  - (b) Sulfur Dioxide (SO<sub>2</sub>): 2.0E-1 lb/MMBtu OR 1.5E0 lb/MWh
- (2) These limits apply at all times except during periods of startup and shutdown.

**SECTION D. Source Level Requirements**

(3) Limits specified in units of lb/MMBtu are based on heat input to the boiler. Limits specified in units of lb/MWh are based on gross electrical output. For the purpose of this condition "heat input", "gross output", "startup", and "shutdown" have the meanings specified in 40 CFR § 63.10042.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.112(g)(1)(vi)]

[Compliance with this permit condition ensures compliance with the nitrogen oxide (NOx) emissions limit of 0.3 pounds per million Btu of heat input based on a 30-day rolling average specified in 25 Pa. Code Sections 129.91 through 129.95]

The Nitrogen oxide emissions from Source ID 031 shall not exceed 0.16 pounds per million Btu of heat input.

**# 007 [25 Pa. Code §127.531]****Special conditions related to acid rain.**

[Additional authority for this permit condition is derived from 40 CFR Part 72.5]

- (1) The permittee shall not emit into the outdoor atmosphere, annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide that the permittee or designated representative holds for each affected source.
- (2) The permittee shall not emit sulfur dioxide in a manner that would exceed applicable emission rates or standards, including ambient air quality standards.
- (3) The permittee shall not use a sulfur dioxide allowance prior to the year for which the allowance is allocated.
- (4) A limit will not be placed on the number of sulfur dioxide allowances held for a source. The permittee shall not, however, use allowances as a defense to noncompliance with other applicable requirements.
- (5) The permittee shall account for all sulfur dioxide allowances in accordance with the procedures established in regulations promulgated under Title IV of the Clean Air Act.

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

The nitrogen oxide (NOx) emissions from Source 031 shall not exceed 0.16 pounds per million Btu of heat input.

**# 009 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.406]  
Subpart AAAAA - CSAPR NOx Annual Trading Program  
Standard requirements.**

(c) NOx emissions requirements—(1) CSAPR NOx Annual emissions limitation. (i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NOx Annual source and each CSAPR NOx Annual unit at the source shall hold, in the source's compliance account, CSAPR NOx Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NOx emissions for such control period from all CSAPR NOx Annual units at the source.

(ii) If total NOx emissions during a control period in a given year from the CSAPR NOx Annual units at a CSAPR NOx Annual source are in excess of the CSAPR NOx Annual emissions limitation set forth in paragraph (c)(1)(i) of this section, then:

(A) The owners and operators of the source and each CSAPR NOx Annual unit at the source shall hold the CSAPR NOx Annual allowances required for deduction under §97.424(d); and

(B) The owners and operators of the source and each CSAPR NOx Annual unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(2) CSAPR NOx Annual assurance provisions. (i) If total NOx emissions during a control period in a given year from all CSAPR NOx Annual units at CSAPR NOx Annual sources in a State exceed the State assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated

**SECTION D. Source Level Requirements**

representative for such control period, where the common designated representative's share of such NOX emissions during such control period exceeds the common designated representative's assurance level for the State and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NOX Annual allowances available for deduction for such control period under §97.425(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with §97.425(b), of multiplying—

(A) The quotient of the amount by which the common designated representative's share of such NOX emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the State for such control period, by which each common designated representative's share of such NOX emissions exceeds the respective common designated representative's assurance level; and

(B) The amount by which total NOX emissions from all CSAPR NOX Annual units at CSAPR NOX Annual sources in the State for such control period exceed the State assurance level.

(ii) The owners and operators shall hold the CSAPR NOX Annual allowances required under paragraph (c)(2)(i) of this section, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after the year of such control period.

(iii) Total NOX emissions from all CSAPR NOX Annual units at CSAPR NOX Annual sources in a State during a control period in a given year exceed the State assurance level if such total NOX emissions exceed the sum, for such control period, of the State NOX Annual trading budget under §97.410(a) and the State's variability limit under §97.410(b).

(iv) It shall not be a violation of this subpart or of the Clean Air Act if total NOX emissions from all CSAPR NOX Annual units at CSAPR NOX Annual sources in a State during a control period exceed the State assurance level or if a common designated representative's share of total NOX emissions from the CSAPR NOX Annual units at CSAPR NOX Annual sources in a State during a control period exceeds the common designated representative's assurance level.

(v) To the extent the owners and operators fail to hold CSAPR NOX Annual allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) of this section,

(A) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B) Each CSAPR NOX Annual allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) of this section and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(3) Compliance periods. (i) A CSAPR NOX Annual unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under §97.430(b) and for each control period thereafter.

(ii) A CSAPR NOX Annual unit shall be subject to the requirements under paragraph (c)(2) of this section for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under §97.430(b) and for each control period thereafter.

(4) Vintage of CSAPR NOX Annual allowances held for compliance. (i) A CSAPR NOX Annual allowance held for compliance with the requirements under paragraph (c)(1)(i) of this section for a control period in a given year must be a CSAPR NOX Annual allowance that was allocated or auctioned for such control period or a control period in a prior year.

(ii) A CSAPR NOX Annual allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) of this section for a control period in a given year must be a CSAPR NOX Annual allowance that was allocated or auctioned for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each CSAPR NOX Annual allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with this subpart.

**SECTION D. Source Level Requirements**

(6) Limited authorization. A CSAPR NOX Annual allowance is a limited authorization to emit one ton of NOX during the control period in one year. Such authorization is limited in its use and duration as follows:

(i) Such authorization shall only be used in accordance with the CSAPR NOX Annual Trading Program; and

(ii) Notwithstanding any other provision of this subpart, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A CSAPR NOX Annual allowance does not constitute a property right.

**# 010 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBB - CSAPR NOX Ozone Season Group 1 Trading Program  
Standard requirements.**

(c) NOX emissions requirements—(1) CSAPR NOX Ozone Season Group 1 emissions limitation. (i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NOX Ozone Season Group 1 source and each CSAPR NOX Ozone Season Group 1 unit at the source shall hold, in the source's compliance account, CSAPR NOX Ozone Season Group 1 allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOX emissions for such control period from all CSAPR NOX Ozone Season Group 1 units at the source.

(ii) If total NOX emissions during a control period in a given year from the CSAPR NOX Ozone Season Group 1 units at a CSAPR NOX Ozone Season Group 1 source are in excess of the CSAPR NOX Ozone Season Group 1 emissions limitation set forth in paragraph (c)(1)(i) of this section, then:

(A) The owners and operators of the source and each CSAPR NOX Ozone Season Group 1 unit at the source shall hold the CSAPR NOX Ozone Season Group 1 allowances required for deduction under §97.524(d); and

(B) The owners and operators of the source and each CSAPR NOX Ozone Season Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(2) CSAPR NOX Ozone Season Group 1 assurance provisions. (i) If total NOX emissions during a control period in a given year from all CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State exceed the State assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NOX emissions during such control period exceeds the common designated representative's assurance level for the State and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NOX Ozone Season Group 1 allowances available for deduction for such control period under §97.525(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with §97.525(b), of multiplying—

(A) The quotient of the amount by which the common designated representative's share of such NOX emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the State for such control period, by which each common designated representative's share of such NOX emissions exceeds the respective common designated representative's assurance level; and

(B) The amount by which total NOX emissions from all CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in the State for such control period exceed the State assurance level.

(ii) The owners and operators shall hold the CSAPR NOX Ozone Season Group 1 allowances required under paragraph (c)(2)(i) of this section, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after the year of such control period.

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(iii) Total NOX emissions from all CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State during a control period in a given year exceed the State assurance level if such total NOX emissions exceed the sum, for such control period, of the State NOX Ozone Season Group 1 trading budget under §97.510(a) and the State's variability limit under §97.510(b).

(iv) It shall not be a violation of this subpart or of the Clean Air Act if total NOX emissions from all CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State during a control period exceed the State assurance level or if a common designated representative's share of total NOX emissions from the CSAPR NOX Ozone Season Group 1 units at CSAPR NOX Ozone Season Group 1 sources in a State during a control period exceeds the common designated representative's assurance level.

(v) To the extent the owners and operators fail to hold CSAPR NOX Ozone Season Group 1 allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) of this section,

(A) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(B) Each CSAPR NOX Ozone Season Group 1 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) of this section and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(3) Compliance periods. (i) A CSAPR NOX Ozone Season Group 1 unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2015 or the deadline for meeting the unit's monitor certification requirements under §97.530(b) and for each control period thereafter.

(ii) A CSAPR NOX Ozone Season Group 1 unit shall be subject to the requirements under paragraph (c)(2) of this section for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under §97.530(b) and for each control period thereafter.

(4) Vintage of CSAPR NOX Ozone Season Group 1 allowances held for compliance. (i) A CSAPR NOX Ozone Season Group 1 allowance held for compliance with the requirements under paragraph (c)(1)(i) of this section for a control period in a given year must be a CSAPR NOX Ozone Season Group 1 allowance that was allocated or auctioned for such control period or a control period in a prior year.

(ii) A CSAPR NOX Ozone Season Group 1 allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) of this section for a control period in a given year must be a CSAPR NOX Ozone Season Group 1 allowance that was allocated or auctioned for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each CSAPR NOX Ozone Season Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with this subpart.

(6) Limited authorization. A CSAPR NOX Ozone Season Group 1 allowance is a limited authorization to emit one ton of NOX during the control period in one year. Such authorization is limited in its use and duration as follows:

(i) Such authorization shall only be used in accordance with the CSAPR NOX Ozone Season Group 1 Trading Program; and

(ii) Notwithstanding any other provision of this subpart, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A CSAPR NOX Ozone Season Group 1 allowance does not constitute a property right.

**SECTION D. Source Level Requirements****# 011 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606] Subpart CCCCC - CSAPR SO2 Group 1 Trading Program Standard requirements.**

(c) SO2 emissions requirements—(1) CSAPR SO2 Group 1 emissions limitation. (i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall hold, in the source's compliance account, CSAPR SO2 Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO2 emissions for such control period from all CSAPR SO2 Group 1 units at the source.

(ii) If total SO2 emissions during a control period in a given year from the CSAPR SO2 Group 1 units at a CSAPR SO2 Group 1 source are in excess of the CSAPR SO2 Group 1 emissions limitation set forth in paragraph (c)(1)(i) of this section, then:

(A) The owners and operators of the source and each CSAPR SO2 Group 1 unit at the source shall hold the CSAPR SO2 Group 1 allowances required for deduction under §97.624(d); and

(B) The owners and operators of the source and each CSAPR SO2 Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(2) CSAPR SO2 Group 1 assurance provisions. (i) If total SO2 emissions during a control period in a given year from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in a State exceed the State assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such SO2 emissions during such control period exceeds the common designated representative's assurance level for the State and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR SO2 Group 1 allowances available for deduction for such control period under §97.625(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with §97.625(b), of multiplying—

(A) The quotient of the amount by which the common designated representative's share of such SO2 emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the State for such control period, by which each common designated representative's share of such SO2 emissions exceeds the respective common designated representative's assurance level; and

(B) The amount by which total SO2 emissions from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in the State for such control period exceed the State assurance level.

(ii) The owners and operators shall hold the CSAPR SO2 Group 1 allowances required under paragraph (c)(2)(i) of this section, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after the year of such control period.

(iii) Total SO2 emissions from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in a State during a control period in a given year exceed the State assurance level if such total SO2 emissions exceed the sum, for such control period, of the State SO2 Group 1 trading budget under §97.610(a) and the State's variability limit under §97.610(b).

(iv) It shall not be a violation of this subpart or of the Clean Air Act if total SO2 emissions from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in a State during a control period exceed the State assurance level or if a common designated representative's share of total SO2 emissions from the CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in a State during a control period exceeds the common designated representative's assurance level.

(v) To the extent the owners and operators fail to hold CSAPR SO2 Group 1 allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) of this section,

(A) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under

**SECTION D. Source Level Requirements**

the Clean Air Act; and

(B) Each CSAPR SO<sub>2</sub> Group 1 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) of this section and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(3) Compliance periods. (i) A CSAPR SO<sub>2</sub> Group 1 unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under §97.630(b) and for each control period thereafter.

(ii) A CSAPR SO<sub>2</sub> Group 1 unit shall be subject to the requirements under paragraph (c)(2) of this section for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under §97.630(b) and for each control period thereafter.

(4) Vintage of CSAPR SO<sub>2</sub> Group 1 allowances held for compliance. (i) A CSAPR SO<sub>2</sub> Group 1 allowance held for compliance with the requirements under paragraph (c)(1)(i) of this section for a control period in a given year must be a CSAPR SO<sub>2</sub> Group 1 allowance that was allocated or auctioned for such control period or a control period in a prior year.

(ii) A CSAPR SO<sub>2</sub> Group 1 allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) of this section for a control period in a given year must be a CSAPR SO<sub>2</sub> Group 1 allowance that was allocated or auctioned for a control period in a prior year or the control period in the given year or in the immediately following year.

(5) Allowance Management System requirements. Each CSAPR SO<sub>2</sub> Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with this subpart.

(6) Limited authorization. A CSAPR SO<sub>2</sub> Group 1 allowance is a limited authorization to emit one ton of SO<sub>2</sub> during the control period in one year. Such authorization is limited in its use and duration as follows:

(i) Such authorization shall only be used in accordance with the CSAPR SO<sub>2</sub> Group 1 Trading Program; and

(ii) Notwithstanding any other provision of this subpart, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(7) Property right. A CSAPR SO<sub>2</sub> Group 1 allowance does not constitute a property right.

**Fuel Restriction(s).**

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source 031 shall only be fired on anthracite culm except that propane or natural gas may be used for startup purposes and as supplemental fuel.

**II. TESTING REQUIREMENTS.**

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(1) The permittee shall perform at least three volatile organic compound source tests on Source 031 by no later than June 30 of every two years (2025, 2027, etc.).

(2) The permittee shall perform at least three particulate matter source tests on Source 031 by no later than June 30 of every two years (2025, 2027, etc.).

(3) The permittee shall perform at least three fluorides (expressed as HF) and mercury emissions tests on Source 031 by no later than June 30, 2024 to verify the fluorides and mercury emission limitations for Source 031. Subsequent testing shall be performed no later than June 30 of every fifth year.

The source testing shall be performed in accordance with all applicable requirements specified in 25 Pa. Code Chapter 139



**SECTION D. Source Level Requirements**

while Source 031 is being operated at its maximum capacity.

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

- (1) The permittee shall perform a System Performance/Relative Accuracy Test Audit on the continuous sulfur dioxide, nitrogen oxides, carbon monoxide and opacity emission monitoring systems of Source 031 by no later than June 30 of each year.
- (2) Said audits shall be performed in accordance with all applicable requirements specified in 25 Pa. Code Chapter 139, the Department's "Continuous Source Monitoring Manual" and 40 CFR Part 60.
- (3) The Department shall be given at least 14 days advance notice of the specific date upon which each audit is to be performed so Department personnel can arrange to be present during audit performance.

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

The permittee shall comply with all applicable testing requirements specified in 25 Pa. Code Chapter 139 and the Department's "Continuous Source Monitoring Manual" for Source 031.

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

Source 031 shall comply with the testing requirements of 40 CFR Part 63 Subpart UUUUU specified in 40 CFR §§ 63.10005, 63.10006 and 63.10007.

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

[Additional authority for this permit condition is also derived from 40 CFR Sections 63.10000(c), 63.10005(h), 63.10006(b) and 63.10006(h)]

- (1) The permittee shall conduct EPA reference method stack tests on Source 031 for filterable particulate matter at least once every 36 calendar months to demonstrate continued LEE status.
- (2) Should LEE status be lost, the permittee shall conduct EPA reference method stack tests on Source 031 for filterable particulate matter on a quarterly basis, until LEE status is re-established through 3 consecutive years of test results demonstrating compliance with the LEE criteria.
- (3) All testing shall be performed using methods and procedures acceptable to the Department and in accordance with the specifications of 40 CFR Part 63 Subpart UUUUU.
- (4) The stack testing shall be performed while the boiler is operating at its maximum capacity, or as close to the boiler's maximum capacity which can be reasonably achieved, and while burning coal having a sulfur content which is representative of the coal normally burned in the boiler.

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

[Additional authority for this permit condition is also derived from 40 CFR Sections 63.10000(c), 63.10005(h) and 63.10006(b)]

- (1) The permittee shall conduct a 30-day EPA reference method stack tests on Source 031 for mercury at least once every 12 calendar months to demonstrate continued LEE status.
- (2) Should LEE status be lost, the permittee shall install, certify, maintain and operate a mercury CEMS or a sorbent trap within 6 calendar months. Until the mercury CEMS or a sorbent trap monitoring system is installed, certified and operating, the permittee shall conduct EPA reference method stack tests on Source 031 for mercury on a quarterly basis, until LEE status is re-established through 3 consecutive years of test results demonstrating compliance with the LEE criteria.
- (3) All testing shall be performed using methods and procedures acceptable to the Department and in accordance with the specifications of 40 CFR Part 63 Subpart UUUUU.
- (4) The stack testing shall be performed while the boiler is operating at its maximum capacity, or as close to the boiler's maximum capacity which can be reasonably achieved, and while burning coal having a sulfur content which is representative of the coal normally burned in the boiler.

**SECTION D. Source Level Requirements****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is from 25 Pa. Code Section 129.115(b)(6)]

Within 180 days of issuance of this permit, the permittee shall conduct EPA reference method testing for nitrogen oxide in accordance with an emissions source test approved by the Department that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). This testing will be used to demonstrate compliance with the nitrogen oxide emission limit specified in 25 Pa. Code Section 129.112(g)(1)(vi).

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

[Additional authority for this condition is from 25 Pa. Code Section 129.115(b)(4)]

For Source ID 031, the permittee shall perform monitoring and testing in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a daily average.

(i) The daily average shall be calculated by summing the total pounds of pollutant emitted for the calendar day and dividing that value by the total heat input to the source for the same calendar day.

(ii) The daily average for the source shall include all emissions that occur during the entire day.

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

The permittee shall comply with all applicable monitoring requirements specified in 25 Pa. Code Chapter 139 and the Department's "Continuous Source Monitoring Manual" for Source 031.

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

[Additional authority for this permit condition is also derived from the provisions specified in 40 CFR Section 60.49Da]

(1) The permittee shall calibrate, maintain and operate continuous opacity, sulfur dioxide, nitrogen oxides and carbon monoxide monitoring systems on the fluidized bed boiler (Source 031) in accordance with all applicable requirements specified in 25 Pa. Code Chapters 123 and 139, the Department's "Continuous Source Monitoring Manual" and 40 CFR Part 60.

(2) The permittee shall install, calibrate, maintain and operate a continuous emission monitoring system capable of measuring the oxygen or carbon dioxide content of the flue gases at each location of Source 031 where sulfur dioxide or nitrogen oxides emissions are monitored.

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

[Authority for this condition is also derived from 40 CFR Part 64, Compliance Assurance Monitoring (CAM)]

Compliance Assurance Monitoring (CAM) Protocol

(1) The purpose of this protocol is to outline procedures for the development, verification, operation, and ongoing maintenance of a continuous monitoring approach sufficient to demonstrate a reasonable assurance that the CFB Baghouse (Control Device C031) used to control the particulate matter emissions from Source 031 operates in compliance with the particulate matter emission limit.

(2) Monitoring designed and operated in accordance with this protocol for an exhaust stack equipped with a continuous opacity monitoring system (COMs) satisfies the requirements of the CAM rule's monitoring design criteria in 40 CFR Part 64.

I. Indicator - Opacity of CFB Baghouse (Control Device C031) exhaust

**SECTION D. Source Level Requirements**

## Measurement Approach - Continuous Opacity Monitoring System (COMs)

## II. Indicator Range

- (1) The opacity indicator must be established at or below an opacity level where Control Device C031 has demonstrated at least a 10 percent margin of compliance with the particulate matter emission limit.
- (2) A maximum opacity value for a 1-hour period must be established to prevent momentary parameter changes from causing an excursion.

## III. Performance Criteria

## (1) Data Representativeness

(a) The % opacity measured by the COMs is proportional to the amount of particulate matter in the exhaust stream. Opacity is correlated to the mass emission rate through an approved particulate testing program which has been performed during maximum normal operating conditions.

(b) The % opacity will also act as a direct indication of the integrity of the fabric collector and the various components involved. Further, the baghouse integrity is representative of the particulate emission rate. The COMs are located in the exhaust ducts downstream of the CFB baghouse.

## (2) Verification of Operational Status

The operation of the COMs shall be verified by a display in the control room and the presence of a valid opacity signal on the COMs readout and the results of the performance evaluation conducted as per 25 Pa. Code Chapter 139.

## (3) QA/QC Practices

Install and evaluate the COMs per 25 Pa. Code Chapter 139. To assure the accuracy of readings from the COMs, the permittee shall perform daily drift checks, a quarterly calibration audit, and an annual RATA.

## (4) Data Collection Procedures &amp; Averaging Periods

An electronic data handling and acquisition system (DAHS) shall collect data points from the COMs approximately every 10 seconds of operation. These % opacity data points are reduced to 1-minute averages and then to 1-hour averages. Overall averaging period is in one-hour blocks.

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 031 shall comply with the monitoring requirements of 40 CFR Part 63 Subpart UUUUU specified in 40 CFR §§ 63.10010, 63.10011, 63.10020 and 63.10021.

**# 025 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The NO<sub>x</sub> CEMS shall be monitored and tested in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a 30-day rolling average.

(1) A 30-day rolling average emission rate for NO<sub>x</sub> shall be expressed in pounds per million Btu and calculated in accordance with the following procedure:

- (a) Sum the total pounds of NO<sub>x</sub> emitted from Source 031 for the current operating day and the previous 29 operating days.
- (b) Sum the total heat input to the Source 031 in million Btu for the current operating day and the previous 29 operating days.
- (c) Divide the total number of pounds of NO<sub>x</sub> emitted by Source 031 for the 30 operating days by the total heat input to Source 031 for the 30 operating days.

(2) A 30-day rolling average emission rate for the NO<sub>x</sub> emission limitation specified in Condition #008 shall be calculated for Source 031 for each consecutive operating day.

(3) Each 30-day rolling average NO<sub>x</sub> emission rate for Source 031 must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

**# 026 [40 CFR Part 97 NO<sub>x</sub> Budget Trading Program and CAIR NO<sub>x</sub> and SO<sub>2</sub> Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR NO<sub>x</sub> Annual Trading Program****Standard requirements.**

**SECTION D. Source Level Requirements**

(b) Emissions monitoring, reporting, and recordkeeping requirements. (1) The owners and operators, and the designated representative, of each CSAPR NOx Annual source and each CSAPR NOx Annual unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435.

(2) The emissions data determined in accordance with §§97.430 through 97.435 shall be used to calculate allocations of CSAPR NOx Annual allowances under §§97.411(a)(2) and (b) and 97.412 and to determine compliance with the CSAPR NOx Annual emissions limitation and assurance provisions under paragraph (c) of this section, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with §§97.430 through 97.435 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

**# 027 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]**  
**Subpart BBBBB - CSAPR NOx Ozone Season Group 1 Trading Program**  
**Standard requirements.**

(b) Emissions monitoring, reporting, and recordkeeping requirements. (1) The owners and operators, and the designated representative, of each CSAPR NOx Ozone Season Group 1 source and each CSAPR NOx Ozone Season Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535.

(2) The emissions data determined in accordance with §§97.530 through 97.535 shall be used to calculate allocations of CSAPR NOx Ozone Season Group 1 allowances under §§97.511(a)(2) and (b) and 97.512 and to determine compliance with the CSAPR NOx Ozone Season Group 1 emissions limitation and assurance provisions under paragraph (c) of this section, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with §§97.530 through 97.535 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

**# 028 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606]**  
**Subpart CCCCC - CSAPR SO2 Group 1 Trading Program**  
**Standard requirements.**

(b) Emissions monitoring, reporting, and recordkeeping requirements. (1) The owners and operators, and the designated representative, of each CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635.

(2) The emissions data determined in accordance with §§97.630 through 97.635 shall be used to calculate allocations of CSAPR SO2 Group 1 allowances under §§97.611(a)(2) and (b) and 97.612 and to determine compliance with the CSAPR SO2 Group 1 emissions limitation and assurance provisions under paragraph (c) of this section, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with §§97.630 through 97.635 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 029 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The permittee shall maintain comprehensive and accurate records of cogeneration facility (Source 031) electric generation rate, steam flow, culm feed rate, limestone injection rate, and other pertinent operating parameters. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 030 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The permittee shall maintain comprehensive and accurate records of the following operating parameters for Source 031:

(1) The calculations used to verify compliance with the particulate matter, fluorides and mercury emission limitations.

**SECTION D. Source Level Requirements**

- (2) The continuous emission monitoring system data used to verify compliance with the opacity, nitrogen oxides, sulfur dioxide and carbon monoxide emission limitations
- (3) Continuous emission monitoring system data of the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored

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

**# 031 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with all applicable recordkeeping requirements specified in 25 Pa. Code Chapter 139 and the Department's "Continuous Source Monitoring Manual" for Source 031.

**# 032 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Sections 64.7 and 64.9]

- (1) The permittee shall keep records of all inspections, repairs, and maintenance performed on the devices used for Source 031 CAM monitoring.
- (2) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.
- (3) The permittee shall keep records of all monitoring downtime incidents associated with the devices used for Source 031 CAM monitoring. The permittee shall also record the dates, times and durations, possible causes, and corrective actions taken for the downtime incidents.
- (4) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 033 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority items (1) and (2) of this condition is also derived from 40 CFR Sections 64.6 and 64.3; additional authority for permit conditions (3) is also derived from 40 CFR Section 64.9; additional authority for permit condition (6) is also derived from 40 CFR Section 70.6(a)(3)(ii)(b)]

- (1) The permittee shall use the following device to monitor and record the CAM indicator parameter:
- (a) The certified COMs that measures % opacity readings at a location downstream of the CFB baghouse (C031).
- (2) The permittee shall use certified COMs to conduct monitoring and record the % opacity in accordance with the Department's "Continuous Source Monitoring Manual."
- (3) The permittee shall maintain supporting documentation to verify compliance with the requirements of 40 CFR Sections 64.9(a)(2)(i) and 64.7(b).
- (4) The permittee shall maintain records of the operation of the device above in order to report the information required in in 40 CFR Section 64.9(a)(2)(ii).
- (5) The permittee shall maintain supporting information that verify that each response to an excursion meets the requirements of 40 CFR Section 64.7(d)
- (6) The permittee shall keep all records for a period of five (5) years and shall make the records available to the Department upon request.

[Compliance with the requirements in item (b) of this condition also ensure compliance with the requirements of 40 CFR Sections 64.7(c) and 64.3(b)(4)(iii)]

**# 034 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 031 shall comply with the recordkeeping requirements of 40 CFR Part 63 Subpart UUUUU specified in 40 CFR §§ 63.10032 and 63.10033.

**SECTION D. Source Level Requirements****# 035 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) For the Source ID 031, the permittee shall keep records to demonstrate compliance with §§ 129.111—129.114 and submit reports to the Department in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources)

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111—129.114 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(3) The records necessary to determine compliance shall be reported to the Department on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a written request from the Department.

**# 036 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR NOX Annual Trading Program****Standard requirements.**

(e) Additional recordkeeping requirements. (1) Unless otherwise provided, the owners and operators of each CSAPR NOX Annual source and each CSAPR NOX Annual unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i) The certificate of representation under §97.416 for the designated representative for the source and each CSAPR NOX Annual unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under §97.416 changing the designated representative.

(ii) All emissions monitoring information, in accordance with this subpart.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NOX Annual Trading Program.

**# 037 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]****Subpart BBBBB - CSAPR NOX Ozone Season Group 1 Trading Program****Standard requirements.**

(e) Additional recordkeeping requirements. (1) Unless otherwise provided, the owners and operators of each CSAPR NOX Ozone Season Group 1 source and each CSAPR NOX Ozone Season Group 1 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i) The certificate of representation under §97.516 for the designated representative for the source and each CSAPR NOX Ozone Season Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under §97.516 changing the designated representative.

(ii) All emissions monitoring information, in accordance with this subpart.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to

**SECTION D. Source Level Requirements**

demonstrate compliance with the requirements of, the CSAPR NOX Ozone Season Group 1 Trading Program.

**# 038 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606]**  
**Subpart CCCCC - CSAPR SO2 Group 1 Trading Program**  
**Standard requirements.**

- (e) Additional recordkeeping requirements. (1) Unless otherwise provided, the owners and operators of each CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.
- (i) The certificate of representation under §97.616 for the designated representative for the source and each CSAPR SO2 Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under §97.616 changing the designated representative.
- (ii) All emissions monitoring information, in accordance with this subpart.
- (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR SO2 Group 1 Trading Program.

**V. REPORTING REQUIREMENTS.**

**# 039 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Part 60, 25 Pa. Code Chapter 139 and the Department's "Continuous Source Monitoring Manual"]

The permittee shall submit to the Department the results of the System Performance/Relative Accuracy Test Audits required on the continuous emission monitoring systems associated with Source 031. Said submittals shall be made within 60 days of the performance of each audit.

**# 040 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The permittee shall submit to the Department on a quarterly basis the data generated by the continuous monitoring systems to verify compliance with the opacity, sulfur dioxide, nitrogen oxides, and carbon monoxide emission limitations. This submission is due within 30 days following the end of the respective calendar quarter.

**# 041 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The permittee shall comply with all applicable reporting requirements specified in 25 Pa. Code Chapter 139 and the Department's "Continuous Source Monitoring Manual" for Source 031.

**# 042 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The permittee shall submit to the Department records of the following on a semiannual basis:

- (1) monthly emissions (including basis of calculation) of fluorides, mercury and total particulate matter from Source 031
- (2) 12-consecutive month totals of the fluorides, mercury and total particulate matter emissions from Source 031 for each month in the reporting period.

Semiannual reports shall be submitted to the Department by September 1 for the preceding period January to June and March 1 for the preceding period July to December.

**SECTION D. Source Level Requirements****# 043 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 64.9 and Section 70.6(a)(3)(iii)(A)]

(1) The permittee shall submit reports to the Department on a semi-annual basis that include the records of all excursions and corrective actions taken, the dates, times, durations, and possible causes.

(2) The permittee shall submit reports to the Department on a semi-annual basis that include all monitoring downtime incidents, their dates, times and durations, possible causes, and corrective actions taken.

(3) The semi-annual reports shall be submitted to the Department no later than March 1 (for July 1 through December 31 of the previous year) and September 1 (for January 1 through June 30 of the current year).

**# 044 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 031 shall comply with the notification and reporting requirements of 40 CFR Part 63 Subpart UUUUU specified in 40 CFR §§ 63.10030 and 63.10031.

**# 045 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

The submission of all requests, reports, applications, submittals and other communications required by this permit and federal regulations, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The Environmental Protection Agency copies may be sent to:

R3\_Air\_Apps\_and\_Notices@epa.gov

And

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 046 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]****Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

The submission of annual or semi-annual reports required by Subpart UUUUU of the National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units, 40 CFR 63.9980 through 63.10042, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart UUUUU of the National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units,



**SECTION D. Source Level Requirements**

40 CFR 63.9980 through 63.10042, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

R3\_Air\_Apps\_and\_Notices@epa.gov

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 047 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.406]**  
**Subpart AAAAA - CSAPR NOX Annual Trading Program**  
**Standard requirements.**

(e) Additional reporting requirements. (2) The designated representative of a CSAPR NOX Annual source and each CSAPR NOX Annual unit at the source shall make all submissions required under the CSAPR NOX Annual Trading Program, except as provided in §97.418. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in parts 70 and 71 of this chapter.

**# 048 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]**  
**Subpart BBBBB - CSAPR NOX Ozone Season Group 1 Trading Program**  
**Standard requirements.**

(e) Additional reporting requirements. (2) The designated representative of a CSAPR NOX Ozone Season Group 1 source and each CSAPR NOX Ozone Season Group 1 unit at the source shall make all submissions required under the CSAPR NOX Ozone Season Group 1 Trading Program, except as provided in §97.518. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in parts 70 and 71 of this chapter.

**# 049 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606]**  
**Subpart CCCCC - CSAPR SO2 Group 1 Trading Program**  
**Standard requirements.**

(e) Additional reporting requirements. (2) The designated representative of a CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall make all submissions required under the CSAPR SO2 Group 1 Trading Program, except as provided in §97.618. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in parts 70 and 71 of this chapter.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 050 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

The permittee shall comply with the requirements specified in 40 CFR Section 64.7(b) and (d), relating to Proper maintenance and Response to excursions, respectively.

**# 051 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

Source 031 shall comply with the work practice standards and operational requirements of 40 CFR Part 63 Subpart UUUUU specified in 40 CFR §§ 63.9991, 63.10000, 63.10010 and 63.10021.

**VII. ADDITIONAL REQUIREMENTS.**

**# 052 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

Source 031 is subject to the National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units. As the owner and operator of Source 031, the permittee shall comply with all applicable requirements codified in 40 CFR Part 63 Subpart UUUUU (40 CFR §§ 63.9980 through 63.10042, including Tables and

**SECTION D. Source Level Requirements**

Appendices).

**# 053 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 031 (Cogen) is a Foster Wheeler custom-design anthracite culm (known as "Special A") fired circulating fluidized bed boiler with a rated input of 623.50 million BTU per hour. Propane or natural gas may be fired in Source 031 for startup purposes and as supplemental fuel. The air contaminant emissions from Source 031 shall be controlled by a limestone injection system (Control Device C031A) and a Joy Environmental Pulseflo baghouse (Control Device C031) at all times Source 031 is operational.

**# 054 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 64.8]

(1) The permittee shall develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable if any of the following occur:

- (a) Six (6) excursions occur in a six (6) month reporting period.
- (b) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(2) The QIP should be developed within 60 days and the permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(3) The permittee shall record actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs, and maintenance performed on the COMS.

(4) In accordance with 40 CFR Section 64.8, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP and provide the Department with a copy, to include procedures for conducting more frequent, or improved, monitoring in conjunction with one or more of the following:

- (a) Improved preventive maintenance practices,
- (b) Process operation changes,
- (c) Appropriate improvements to the control methods,
- (d) Other steps appropriate to correct performance.

(5) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (a) Address the cause of the performance problems of the COMS,
- (b) Provide adequate procedures for correcting the performance problems of the device(s) in an expeditious manner and according to good air pollution control practices.

(6) Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirements that may apply under any federal, state, or local laws or any other applicable requirements under the Clean Air Act.

**# 055 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 031 is subject to the CAM requirements of 40 CFR Part 64. The permittee shall comply with all applicable requirements of 40 CFR Sections 64.1 through 64.10.

**# 056 [25 Pa. Code §127.531]****Special conditions related to acid rain.**

**SECTION D. Source Level Requirements**

The permittee shall comply with all applicable requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act, including all applicable provisions from the following:

40 CFR Part 72 Permit Regulation  
 40 CFR Part 73 Sulfur Dioxide Allowance System  
 40 CFR Part 75 Continuous Emission Monitoring  
 40 CFR Part 77 Excess Emissions

**# 057 [25 Pa. Code §127.531]****Special conditions related to acid rain.**

[Additional authority for this permit condition is derived from 40 CFR Part 73]

The permittee does not have any initial sulfur dioxide allowances allocated to the facility. This facility became subject to the Phase II Acid Rain Program on February 27, 2002.

**# 058 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40Da]****Subpart Da - Standards of Performance for Electric Utility Steam Generating Units for Which Construction Is Commenced After September 18, 1978****Applicability and designation of affected facility.**

Source 031 is subject to Subpart Da of the Federal Standards of Performance for New Stationary Sources, Electric Utility Steam Generating Units, 40 CFR Sections 60.40Da through 60.52Da. The permittee shall comply with all applicable requirements of this subpart as well as any other applicable Subpart of the Standards of Performance, including any recordkeeping and reporting requirements.

**# 059 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR NOX Annual Trading Program****Standard requirements.**

(f) Liability. (1) Any provision of the CSAPR NOX Annual Trading Program that applies to a CSAPR NOX Annual source or the designated representative of a CSAPR NOX Annual source shall also apply to the owners and operators of such source and of the CSAPR NOX Annual units at the source.

(2) Any provision of the CSAPR NOX Annual Trading Program that applies to a CSAPR NOX Annual unit or the designated representative of a CSAPR NOX Annual unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities. No provision of the CSAPR NOX Annual Trading Program or exemption under §97.405 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NOX Annual source or CSAPR NOX Annual unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 060 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR NOX Annual Trading Program****Standard requirements.**

(a) Designated representative requirements. The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418.

**# 061 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR NOX Annual Trading Program****Standard requirements.**

(d) Title V permit requirements. (1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NOX Annual allowances in accordance with this subpart.

(2) A description of whether a unit is required to monitor and report NOX emissions using a continuous emission monitoring system (under subpart H of part 75 of this chapter), an excepted monitoring system (under appendices D and E to part 75 of this chapter), a low mass emissions excepted monitoring methodology (under §75.19 of this chapter), or an alternative monitoring system (under subpart E of part 75 of this chapter) in accordance with §§97.430 through 97.435 may

**SECTION D. Source Level Requirements**

be added to, or changed in, a title V permit using minor permit modification procedures in accordance with §§70.7(e)(2) and 71.7(e)(1) of this chapter, provided that the requirements applicable to the described monitoring and reporting (as added or changed, respectively) are already incorporated in such permit. This paragraph explicitly provides that the addition of, or change to, a unit's description as described in the prior sentence is eligible for minor permit modification procedures in accordance with §§70.7(e)(2)(i)(B) and 71.7(e)(1)(i)(B) of this chapter.

**# 062 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBBB - CSAPR NOX Ozone Season Group 1 Trading Program  
Standard requirements.**

(a) Designated representative requirements. The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.513 through 97.518.

**# 063 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBBB - CSAPR NOX Ozone Season Group 1 Trading Program  
Standard requirements.**

(d) Title V permit requirements. (1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NOX Ozone Season Group 1 allowances in accordance with this subpart.

(2) A description of whether a unit is required to monitor and report NOX emissions using a continuous emission monitoring system (under subpart H of part 75 of this chapter), an excepted monitoring system (under appendices D and E to part 75 of this chapter), a low mass emissions excepted monitoring methodology (under §75.19 of this chapter), or an alternative monitoring system (under subpart E of part 75 of this chapter) in accordance with §§97.530 through 97.535 may be added to, or changed in, a title V permit using minor permit modification procedures in accordance with §§70.7(e)(2) and 71.7(e)(1) of this chapter, provided that the requirements applicable to the described monitoring and reporting (as added or changed, respectively) are already incorporated in such permit. This paragraph explicitly provides that the addition of, or change to, a unit's description as described in the prior sentence is eligible for minor permit modification procedures in accordance with §§70.7(e)(2)(i)(B) and 71.7(e)(1)(i)(B) of this chapter.

**# 064 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]  
Subpart BBBBB - CSAPR NOX Ozone Season Group 1 Trading Program  
Standard requirements.**

(f) Liability. (1) Any provision of the CSAPR NOX Ozone Season Group 1 Trading Program that applies to a CSAPR NOX Ozone Season Group 1 source or the designated representative of a CSAPR NOX Ozone Season Group 1 source shall also apply to the owners and operators of such source and of the CSAPR NOX Ozone Season Group 1 units at the source.

(2) Any provision of the CSAPR NOX Ozone Season Group 1 Trading Program that applies to a CSAPR NOX Ozone Season Group 1 unit or the designated representative of a CSAPR NOX Ozone Season Group 1 unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities. No provision of the CSAPR NOX Ozone Season Group 1 Trading Program or exemption under §97.505 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NOX Ozone Season Group 1 source or CSAPR NOX Ozone Season Group 1 unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 065 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606]  
Subpart CCCCC - CSAPR SO2 Group 1 Trading Program  
Standard requirements.**

(a) Designated representative requirements. The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618.

**# 066 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606]  
Subpart CCCCC - CSAPR SO2 Group 1 Trading Program  
Standard requirements.**

(d) Title V permit requirements. (1) No title V permit revision shall be required for any allocation, holding, deduction, or

**SECTION D. Source Level Requirements**

transfer of CSAPR SO2 Group 1 allowances in accordance with this subpart.

(2) A description of whether a unit is required to monitor and report SO2 emissions using a continuous emission monitoring system (under subpart B of part 75 of this chapter), an excepted monitoring system (under appendices D and E to part 75 of this chapter), a low mass emissions excepted monitoring methodology (under §75.19 of this chapter), or an alternative monitoring system (under subpart E of part 75 of this chapter) in accordance with §§97.630 through 97.635 may be added to, or changed in, a title V permit using minor permit modification procedures in accordance with §§70.7(e)(2) and 71.7(e)(1) of this chapter, provided that the requirements applicable to the described monitoring and reporting (as added or changed, respectively) are already incorporated in such permit. This paragraph explicitly provides that the addition of, or change to, a unit's description as described in the prior sentence is eligible for minor permit modification procedures in accordance with §§70.7(e)(2)(i)(B) and 71.7(e)(1)(i)(B) of this chapter.

**# 067 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.606]**

**Subpart CCCCC - CSAPR SO2 Group 1 Trading Program**

**Standard requirements.**

(f) Liability. (1) Any provision of the CSAPR SO2 Group 1 Trading Program that applies to a CSAPR SO2 Group 1 source or the designated representative of a CSAPR SO2 Group 1 source shall also apply to the owners and operators of such source and of the CSAPR SO2 Group 1 units at the source.

(2) Any provision of the CSAPR SO2 Group 1 Trading Program that applies to a CSAPR SO2 Group 1 unit or the designated representative of a CSAPR SO2 Group 1 unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities. No provision of the CSAPR SO2 Group 1 Trading Program or exemption under §97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR SO2 Group 1 source or CSAPR SO2 Group 1 unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

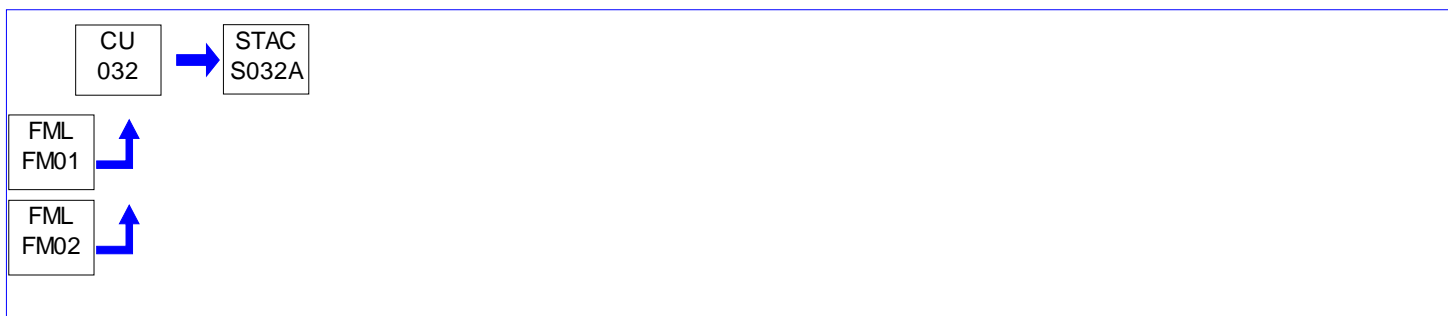
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: BOILER

Source Capacity/Throughput: 8.400 MMBTU/HR

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source 032 in excess of the rate of 0.4 pounds per million Btu of heat input.

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

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source 032 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

The total combined volatile organic compound emissions from the following sources shall not exceed 49 tons in any 12 consecutive month period:

- (1) Foster Wheeler Circulating Fluidized Bed Boiler (Source 031)
- (2) 8.37 million Btu per hour Auxiliary Boiler (Source 032)
- (3) 187 horsepower Emergency Fire Pump (Source P109)

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

Source 032 shall only be fired on propane or natural gas.

**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).

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

[Additional authority for the permit condition is also derived from 40 CFR Section 63.7550]

The permittee shall submit a biennial compliance report for Source 032 covering the period beginning January 31, 2024 and ending on December 31, 2025. Each subsequent compliance report shall cover the 2 year reporting period from January 1 through December 31 following the initial reporting period (i.e. January 1, 2026 through December 31, 2027, January 1, 2028 through December 31, 2029, etc.). All compliance reports shall be postmarked or submitted no later than January 31 of the year following the end of each reporting period.

Compliance reports required herein shall contain the following information:

- (1) Company and facility name and address.
- (2) Process unit information, emissions limitations, and operating parameter limitations.
- (3) Date of report and beginning and ending dates of the reporting period.
- (4) The total operating time during the reporting period.
- (5) The date of the most recent tune-up for Source 032. Include the date of the most recent burner inspection for Source 032 if it was not done during the 5 year period and was delayed until the next scheduled or unscheduled unit shutdown.

All reports required pursuant to this condition shall be submitted electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this condition is not available in CEDRI at the time that the report is due, the report shall be submitted to the EPA at the address listed below. At the discretion of the EPA, the permittee shall submit these reports in the format specified by the EPA.

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.112(c)(1)]

[Compliance with this permit condition ensures compliance with 25 Pa. Code Sections 129.91 through 129.95 and 129.97]

Source 032 shall be maintained and operated in accordance with manufacturer's specifications and in accordance with good operating practices.

**SECTION D. Source Level Requirements****# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my initial compliance requirements and by what date must I conduct them?**

[Additional authority for the permit condition is also derived from 40 CFR Sections 63.7515 and 63.7540]

By no later than January 31, 2016, the permittee shall complete an initial tune-up of Source 032 in accordance with the procedures specified in condition #008 herein. Thereafter, each biennial tune-up shall be conducted no more than 25 months after the previous tune-up. If the source is not operating on the required date for a tune-up, the tune-up shall be conducted within 30 days of startup.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

The permittee shall conduct a biennial tune-up of Source 032 in accordance with the following procedures:

- (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment.
- (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
- (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown).
- (4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available.
- (5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.
- (6) Maintain on-site and submit, if requested by the Department, an annual report containing the information in subsections (6)(a) and (6)(b) of this condition:
  - (a) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
  - (b) A description of any corrective actions taken as a part of the tune-up.

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

Source 032 is an 8.37 million Btu per hour, natural gas/propane-fired Stone Johnston model SG102 boiler.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

Source 032 shall comply with all applicable requirements specified in Subpart DDDDD of the National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR Sections 63.7480 through 63.7575.

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

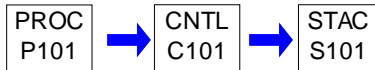


**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: 2 CULM DAY BINS

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

There shall be no visible fugitive air contaminant emissions from Source P101 (other than those determined by the Department to be of minor significance).

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P101 in a manner such that the concentration of particulate matter in the effluent gas from Control Device C101 exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13]

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

The permittee shall maintain accurate and comprehensive records of calculations used to verify the particulate emission limitation for Source P101. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P101 consists of two (2) day bins used to store crushed anthracite culm received from the culm processing plant and a conveyor known as conveyor CR-510 that is associated with Source 031. The particulate matter emissions from Source P101 shall be controlled by a single Howden model 156RF6 fabric collector (Control Device C101).

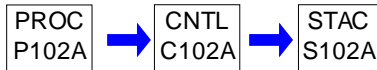
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P102A

Source Name: LIMESTONE STORAGE BIN "A"

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

There shall be no visible fugitive air contaminant emissions from Source P102A (other than those determined by the Department to be of minor significance).

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P102A in a manner such that the concentration of particulate matter in the effluent gas from Control Device C102A exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13]

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

The permittee shall maintain accurate and comprehensive records of calculations used to verify the particulate emission limitation for Source P102A. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P102A is a bin used to store limestone (fine or coarse) that is associated with Source 031. The particulate matter emissions from Source P102A shall be controlled by a Donaldson Day fabric collector (Control Device C102A).

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

**SECTION D. Source Level Requirements**

Source ID: P102B

Source Name: LIMESTONE STORAGE BIN "B"

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

There shall be no visible fugitive air contaminant emissions from Source P102B (other than those determined by the Department to be of minor significance).

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P102B in a manner such that the concentration of particulate matter in the effluent gas from Control Device C102B exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13]

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

The permittee shall maintain accurate and comprehensive records of calculations used to verify the particulate emission limitation for Source P102B. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P102B is a bin used to store limestone (fine or coarse) that is associated with Source 031. The particulate matter emissions from Source P102B shall be controlled by a Donaldson Day fabric collector (Control Device C102B).

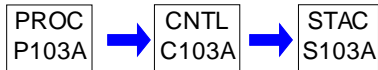
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P103A

Source Name: ASH VACUUM CONVEYOR SYSTEM LINE "A"

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

There shall be no visible fugitive air contaminant emissions from Source P103A (other than those determined by the Department to be of minor significance).

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P103A in a manner such that the concentration of particulate matter in the effluent gas from Control Device C103A exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13]

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

The permittee shall maintain accurate and comprehensive records of calculations used to verify the particulate emission limitation for Source P103A. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P103A is a flyash vacuum conveying system, designated as "Line A", associated with Source 031. The particulate matter emissions from Source P103A shall be controlled by an Ultra Industries model CW102-100 centrifugal separator/fabric collector (Control Device C103A).

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



**SECTION D. Source Level Requirements**

Source ID: P103B

Source Name: ASH VACUUM CONVEYOR SYSTEM LINE "B"

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

There shall be no visible fugitive air contaminant emissions from Source P103B (other than those determined by the Department to be of minor significance).

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P103B in a manner such that the concentration of particulate matter in the effluent gas from Control Device C103B exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13]

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

The permittee shall maintain accurate and comprehensive records of calculations used to verify the particulate emission limitation for Source P103B. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P103B is a flyash vacuum conveying system, designated as "Line B", associated with Source 031. The particulate matter emissions from Source P103B shall be controlled by an Ultra Industries model CW102-100 centrifugal separator/fabric collector (Control Device C103B).

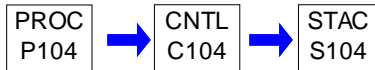
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: PNEUMATIC CONVEY SYS &amp; STORAGE SILO

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

There shall be no visible fugitive air contaminant emissions from Source P104 (other than those determined by the Department to be of minor significance).

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P104 in a manner such that the concentration of particulate matter in the effluent gas from the cartridge collectors incorporated in Control Device C104 exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13]

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

The permittee shall maintain accurate and comprehensive records of calculations used to verify the particulate emission limitation for Source P104. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The air compressor that supplies cleaning air to Control Device C104 shall be equipped with an air dryer and an oil trap.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P104 is a spent bed material pneumatic conveying system and flyash/spent bed material storage silo associated with Source 031. The particulate matter emissions from Source P104 shall be controlled by two (2) Flex Kleen model 226-CDCC-4-4-32(III) cartridge collectors (Control Device C104).

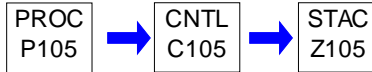
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: ASH LOADOUT &amp; HANDLING OPERATIONS

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12, as well as 40 CFR Section 52.21]

There shall be no visible fugitive air contaminant emissions from Source P105 (other than those determined by the Department to be of minor significance).

**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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source P105 is a silo loadout and material handling operation associated with the silo incorporated in Source P104. The particulate matter emissions from Source P105 shall be controlled by a two (2) paddle mixers identified as BL-301A and BL-301B (Control Device C105).

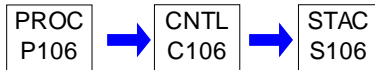
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: BACKUP CULM CRUSHING &amp; CONVEYING SYS.

Source Capacity/Throughput:

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

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P106 in a manner such that the concentration of particulate matter in the effluent gas from Control Device C106 exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this condition also ensures compliance with 25 Pa. Code Section 123.13]

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.254(a)]

The permittee shall not cause to be discharged into the atmosphere from any source incorporated in Source P106 gases which exhibit 20 percent opacity or greater.

**Operation Hours Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

Source P106 shall not be operated in excess of 1,500 hours in any calendar year.

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

The permittee shall maintain accurate and comprehensive records of the following:

- (1) Calculations used to verify compliance with the particulate emission limitation for Source P106.
- (2) Number of hours Source P106 is operated each calendar year.

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

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

The submission of all requests, reports, applications, submittals and other communications required by Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258, or required by any other applicable section specified in the federal Standards of Performance, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

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

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

Source P106 shall only be used as a back-up to Source P206. Additionally, at no time shall Source P106 and Source P206 be operated simultaneously.

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

The crushed culm conveyor (CR-508) incorporated in Source P106 shall be equipped with a 3/4 cover. The reject conveyor (CR-507) incorporated in Source P106 does not need to be covered.

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

Source P106 consists of the following sources:

- (1) Three crushing trains, each consisting of a surge bin, a vibratory feeder, a Pennsylvania Crusher Corporation impact crusher and a Pennsylvania Crusher Corporation rod mill
- (2) Reject conveyor (CR-507) and associated reject stockpile
- (3) Crushed culm conveyor (CR-508)

The particulate matter emissions from the building housing the culm crushing trains incorporated in Source P106 shall be controlled by a Howden model 276RF10 fabric collector (Control Device C106).

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

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

The building housing the culm crushing trains incorporated in Source P106 shall be completely enclosed.

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

Source P106 is subject to Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.250 through 60.258.

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



**SECTION D. Source Level Requirements**

Source ID: P107

Source Name: TRANSFER TOWER 2

Source Capacity/Throughput:

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

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P107 in a manner such that the concentration of particulate matter in the effluent gas from Control Device C107 exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this condition also ensures compliance with 25 Pa. Code Section 123.13]

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

[Additional authority for this permit condition is also derived from 40 CFR Section 60.254(a)]

The permittee shall not cause to be discharged into the atmosphere from Source P107 gases which exhibit 20 percent opacity or greater.

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

The permittee shall maintain accurate and comprehensive records of calculations used to verify the particulate emission limitation for Source P107. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The submission of all requests, reports, applications, submittals and other communications required by Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258, or required by any other applicable section specified in the federal Standards of Performance, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division

**SECTION D. Source Level Requirements**

Permits Branch (3AD10)  
 Four Penn Center  
 1600 John F. Kennedy Boulevard  
 Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
 Air Quality Program Manager  
 208 W. Third Street, Suite 101  
 Williamsport, PA 17701-6448

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P107 is a transfer tower that conveys crushed culm (fed by conveyor CR-508) to the cogeneration plant feed conveyor (CR-509). The particulate matter emissions from Source P107 shall be controlled by a Howden model 72RF8 fabric collector (Control Device C107).

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

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

The top of Source P107 (that portion of the tower incorporating the actual conveyor transfer) shall be completely enclosed.

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

Source P107 is subject to Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.250 through 60.258.

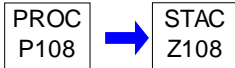
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P108

Source Name: TROMMEL SCREEN

Source Capacity/Throughput:

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

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

There shall be no visible fugitive air contaminant emissions from Source P108 (other than those determined by the Department to be of minor significance).

Compliance with this permit condition also ensures compliance with 40 CFR Section 60.254(a).

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

The submission of all requests, reports, applications, submittals and other communications required by Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258, or required by any other applicable section specified in the federal Standards of Performance, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

United States Environmental Protection Agency  
 Region III, Air and Radiation Division  
 Permits Branch (3AD10)  
 Four Penn Center  
 1600 John F. Kennedy Boulevard  
 Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
 Air Quality Program Manager  
 208 W. Third Street, Suite 101

**SECTION D. Source Level Requirements**

Williamsport, PA 17701-6448

**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.**

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P108 is a Stursa Equipment model 830 anthracite culm trommel screen powered by an electric motor.

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P108 is subject to Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.250 through 60.258.

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

**SECTION D. Source Level Requirements**

Source ID: P109

Source Name: EMERGENCY FIRE PUMP

Source Capacity/Throughput:

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P109 in a manner such that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

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

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P109 in such a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The total combined volatile organic compound emissions from the following sources shall not exceed 49 tons in any 12 consecutive month period:

- (1) Foster Wheeler Circulating Fluidized Bed Boiler (Source 031)
- (2) 8.37 million Btu per hour Auxiliary Boiler (Source 032)
- (3) 187 horsepower Emergency Fire Pump (Source P109)

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

Any operation of Source P109, other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in subsections (1) through (3), is prohibited.

- (1) With respect to demonstrating compliance with this condition, there is no time limit on the use of Source P109 in emergency situations.
- (2) The permittee may operate Source P109 for 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 this source, for a maximum of 100 hours per calendar year. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of Source P109 beyond 100 hours per calendar year. Any operation for non-emergency situations as allowed by subsection (3) of this condition counts as part of the 100 hours per calendar year allowed by this subsection.
- (3) Source P109 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in subsection (2) of this condition.

**SECTION D. Source Level Requirements****Fuel Restriction(s).**

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

Source P109 shall only be fired on #2 fuel oil or lighter fuel oil. In addition, the sulfur content of the fuel oil shall not contain more than 0.0015% sulfur, by weight.

**Operation Hours Restriction(s).**

**# 006 [25 Pa. Code §129.93]**  
**Presumptive RACT emission limitations**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.97]

Operation of Source P109 shall not equal or exceed 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (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.**

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

The permittee shall keep monthly records of the hours of operation of Source P109 that is recorded through the nonresettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**  
**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**  
**What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P109 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

The permittee shall submit to the Department on a semi-annual basis records of the number of hours Source P109 was operated each month during the previous 12 month period. The semi-annual reports shall be submitted to the Department by no later than March 1 (for the immediately preceding July 1 through December 31 period) and September 1 (for the immediately preceding January 1 through June 30 period).

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

**SECTION D. Source Level Requirements**

The submission of reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator's postal address listed below.

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

The permittee shall report each instance in which Source P109 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P109 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P109 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.112(c)(10)]

[Compliance with this condition also ensures compliance with 25 Pa. Code Sections 129.93 and 129.97]

**SECTION D. Source Level Requirements**

Source P109 shall be maintained and operated in accordance with manufacturer's specifications and in accordance with good operating practices.

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**

The permittee shall perform the following maintenance on Source P109

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first.
- (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

If Source P109 is operating during an emergency and it is not possible to shut down Source P109 in order to perform the work practice requirements on the schedule required herein, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. The permittee must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**

[Additional authority for this permit condition is derived from 40 CFR Section 63.6625]

The permittee shall minimize Source P109's time spent at idle and minimize Source P109's startup time at startup to a period needed for appropriate and safe loading of Source P109, not to exceed 30 minutes.

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

At all times, the permittee must operate and maintain Source P109 in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of Source P109.

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee must operate and maintain Source P109 according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P109 in a manner consistent with good air pollution control practice for minimizing emissions.

**# 017 [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**

Source P109 shall be equipped with a non-resettable hour meter.

**# 018 [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?**

The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement specified in Condition #012 herein. The oil analysis must be performed at the same frequency specified for changing the oil in Condition #012. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee must change the oil within 2 business days of receiving the results of the analysis; if Source P109 is not in operation when the results of the analysis are received, the permittee must change the oil within 2 business days or before commencing operation, whichever is later. The permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for Source P109. The analysis program must be part of the maintenance plan for Source P109.

**VII. ADDITIONAL REQUIREMENTS.**

**# 019 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P109 is a 187 horsepower, #2 fuel oil-fired Cummings model V-504-F2 emergency fire pump.

**# 020 [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?**

Source P109 is subject to Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.6580 through 63.6675.

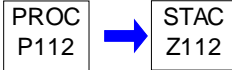
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P112

Source Name: CULM CONVEYING OPERATIONS

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Section 60.254(a)]

The permittee shall not cause to be discharged into the atmosphere from any source incorporated in Source P112 gases which exhibit 20 percent opacity or greater.

**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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The submission of all requests, reports, applications, submittals and other communications required by Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258, or required by any other applicable section specified in the federal Standards of Performance, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

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

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

The cogeneration plant feed conveyor (CR-509) incorporated in Source P112 shall be completely enclosed and the remainder of the conveyors incorporated in Source ID P112 shall be equipped with a 3/4 cover. Additionally, the raw culm transfer tower (Transfer Tower #1) incorporated in Source P112 shall incorporate totally enclosed transfer chutes.

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

Source P112 consists of the following:

- (1) Telsmith 54 x 22 raw culm vibrating grizzly feeder and raw culm feed conveyor (CR-501)
- (2) Raw culm transfer tower (Transfer tower #1)
- (3) Radial stacker feed conveyor (CR-502)
- (4) Reclaim hopper/feeder
- (5) Reclaimed culm conveyor (CR-504)
- (6) Crusher building feed conveyor (CR-505)
- (7) Cogeneration plant feed conveyor (CR-509)

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

Source P112 is subject to Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.250 through 60.258.

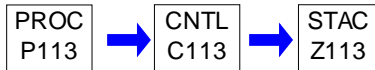
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P113

Source Name: RADIAL STACKER &amp; STOCKPILE

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Section 60.254(a)]

The permittee shall not cause to be discharged into the atmosphere from Source P113 gases which exhibit 20 percent opacity or greater.

**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.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The submission of all requests, reports, applications, submittals and other communications required by Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258, or required by any other applicable section specified in the federal Standards of Performance, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

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Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P113 is a 150-foot fixed-height radial stacker (identified as CR-503) and associated raw culm stockpile. The air contaminant emissions from Source P113 shall be controlled by a spray bar located at the head pulley (Control Device C113). Operation of Source P113 without simultaneous operation of the spray bar may take place but only at times when processed materials contain sufficient moisture so as not to create air contaminant emissions in excess of the limitations herein.

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

Source P113 is subject to Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.250 through 60.258.

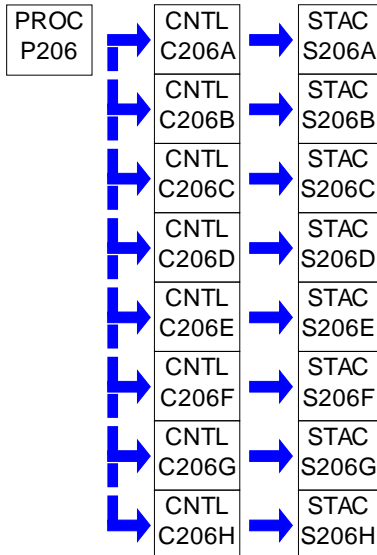
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P206

Source Name: MAIN CULM PROCESSING PLANT

Source Capacity/Throughput:

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

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

The total combined emission of particulate matter from Source P206 shall not exceed 2.08 pounds per hour and 9.11 tons in any 12 consecutive month period.

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

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

The exhaust from each of the fabric collectors incorporated in Control Devices C206A, C206B, C206C, C206D, C206E, C206F, C206G and C206H shall not have any visible emissions.

Compliance with this permit condition also ensures compliance with 40 CFR Section 60.254(a).

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

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P206 in a manner such that the concentration of particulate matter in the effluent gas from Control Devices C206A, C206B, C206C, C206D, C206E, C206F, C206G and C206H exceeds 0.01 grains per dry standard cubic foot.

Compliance with this permit condition also ensures compliance with 25 Pa. Code Section 123.13.

**II. TESTING REQUIREMENTS.**

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

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

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

Control Devices C206A, C206B, C206C, C206D, C206E, C206F, C206G and C206H shall each be equipped with instrumentation to continuously monitor the differential pressure across each of the respective control devices.

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

The permittee shall record the pressure differential across Control Devices C206A, C206B, C206C, C206D, C206E, C206F, C206G and C206H at least once per day. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

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

The permittee shall maintain accurate and comprehensive records of supporting calculations used to verify compliance with the particulate matter emission limitations for Source P206. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

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

The submission of all requests, reports, applications, submittals and other communications required by Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258, or required by any other applicable section specified in the federal Standards of Performance, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

And

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

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

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

At no time shall Source P106 and Source P206 be operated simultaneously.

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

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

**SECTION D. Source Level Requirements**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for Control Devices C206A, C206B, C206C, C206D, C206E, C206F, C206G and C206H in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of Source P206 and the respective control device.

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

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

All compressed air systems associated with Control Devices C206A, C206B, C206C, C206D, C206E, C206F, C206G and C206H shall be equipped with air dryers and oil traps.

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

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

Source P206 shall not be operated without the simultaneous operation of Control Devices C206A, C206B, C206C, C206D, C206E, C206F, C206G and C206H); nor shall Source P206 ever be operated without all conveyors (with the exception of conveyor CR-615), transfer points and screens being properly enclosed as required by this operating permit.

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

Source P206 is subject to Subpart Y of the federal Standards of Performance for Coal Preparation and Processing Plants, 40 CFR Sections 60.250 through 60.258. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.250 through 60.258.

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

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

Source P206 is the main culm processing plant at this facility and consists of the following equipment:

- (1) Two 65 yard feed hoppers
- (2) One 220 ton per hour Ward Industrial horizontal shaft impactor (HSI) primary crusher
- (3) One 100 ton per hour CEMCO Turbo 80 vertical shaft impactor (VSI) secondary crusher
- (4) Two 25' X 8' biviTEC double deck screens (Primary & Secondary)
- (5) One 30" X 92' conveyor (CR-505 C)
- (6) Two 42" X 29' conveyors (CR-601 A and CR-601 B)
- (7) One 30" X 91' conveyor (CR-602 B)
- (8) One 36" X 68' conveyor (CR-603)
- (9) One 36" X 130' conveyor (CR-604)
- (10) Three 30" X 23' conveyors (CR-605, CR-608 and CR-609)
- (11) One 30" X 100' conveyor (CR-606)
- (12) One 36" X 130' conveyor (CR-607)
- (13) One 30" X 30' conveyor (CR-610)
- (14) One 30" X 215' conveyor (CR-611)
- (15) One 60" X 90' conveyor (CR-612)
- (16) One 60 X 85' conveyor (CR-613)
- (17) One 33" X 68' conveyor (CR-614)
- (18) One 30" X 36' conveyor (CR-615)

The particulate matter emissions from Source P206 shall be controlled by eight (8) Donaldson model DCE fabric collectors as described below:

- (1) Collector CR-604-DC (Control Device C206A) shall have pickup points at the HSI crusher discharge.
- (2) Collector CR-611-DC (Control Device C206B) shall have pickup points at the conveyor CR-605/608 common discharge,



**SECTION D. Source Level Requirements**

at the conveyor CR-609/610 common discharge, at the primary screen, and at the secondary screen.

(3) Collector CR-612-DC (Control Device C206C) shall have pickup points at the primary screen discharge to conveyor CR-612.

(4) Collector CR-614-DC-A (Control Device C206D) shall have pickup points at the conveyor CR-612 discharge.

(5) Collector CR-508-DC (Control Device C206E) shall have pickup points at the conveyor CR-614 discharge.

(6) Collector CR-607-DC (Control Device C206F) shall have pickup points at the VSI crusher discharge.

(7) Collector CR-613-DC (Control Device C206G) shall have pickup points at the secondary screen discharge to conveyor CR-613.

(8) Collector CR-614-DC-B (Control Device C206H) shall have pickup points at conveyor CR-613.

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

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

(1) All conveyors incorporated in Source P206, with the exception of conveyor CR-615, shall be equipped with a 3/4 cover.

(2) All transfer points incorporated in Source P206 shall be equipped with "head box" type enclosures and the secondary screen shall be equipped with a cover.

(3) The primary screen incorporated in Source P206 shall be equipped with a cover any time it is observed to be emitting fugitive emissions.

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

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

The HSI crusher, the VSI crusher, the two double deck screens, as well as conveyors CR-605, CR-608, CR-609 and CR-610 incorporated in Source P206 shall all be enclosed within a permanent structure or building.

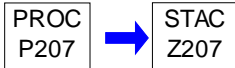
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P207

Source Name: 8 STORAGE TANKS

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

The permittee shall maintain accurate and comprehensive records of the identity of the material(s) stored in each storage tank incorporated in Source P207. All records generated pursuant to this condition shall be retained for at least five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The storage tanks incorporated in Source P207 shall not be used for the storage of anything other than diesel fuel, virgin lubricating oil and waste lubricating oil.

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

Source P207 consists of:

- (1) 4,000 gallon aboveground diesel fuel storage tank
- (2) 1,500 gallon aboveground diesel fuel storage tank
- (3) four (4) 500 gallon aboveground virgin lubricating oil storage tanks
- (4) 55 gallon waste lubricating oil storage barrels

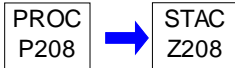
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P208

Source Name: GASOLINE STORAGE TANK

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

The permittee shall maintain accurate and comprehensive records of the identity of the material(s) stored in Source P208. All records generated pursuant to this condition shall be retained for at least five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source P208 shall not be used to store anything other than gasoline, diesel fuel, virgin lubricating oil or waste lubricating oil.

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

Source P208 is a 600 gallon aboveground gasoline storage tank.

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



**SECTION E. Source Group Restrictions.**

**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.**

This operating permit No. TVOP 49-00001 was originally issued on January 18, 2001 and will expire on December 31, 2005.

Revision No. 1 issued on October 30, 2003 was a significant operating permit modification which incorporates the Phase II Acid Rain requirements into the Title V operating permit for Source 031. This revision also incorporates an administrative amendment for the operation of the main culm processing plant (Source P206) at the facility. All revised monitoring, recordkeeping and reporting requirements became effective on October 30, 2003.

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

- (1) One parts washer (approximately 2.5' by 1.5' liquid-vapor interfacial surface area)
- (2) Cooling Towers (18,000 gallons process water per hour)
- (3) Space heaters (combined heat input < 2.5 million Btu per hour)

Revision No. 2: This operating permit was revised, via the minor operating permit modification requirements of 25 Pa. Code Section 127.462, on October 19, 2004 to incorporate Source 039, Source P207, Source P208 and the Telsmith 54 x 22 raw culm vibratory grizzly feeder of Source P112.

Revision No. 3: This operating permit was revised, via the minor operating permit modification requirements of 25 Pa. Code Section 127.462, on October 18, 2005 to authorize the replacement of a 100 ton per hour Ward Industrial vertical shaft impact crusher with a 100 ton per hour CEMCO Turbo 80 vertical shaft impact crusher.

Revision No. 4: This operating permit was revised, via the minor operating permit modification requirements of 25 Pa. Code Section 127.462, on January 22, 2015, to incorporate the applicable provisions of 40 CFR 63 Subpart DDDDD as they apply to Source 032 and to approve a one year extension of the initial compliance date for 40 CFR 63 Subpart UUUUU as it applies to Source 031.



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

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