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

# TITLE V/STATE OPERATING PERMIT

Issue Date: April 28, 2021 Effective Date:

Revision Date: Expiration Date:

Revision Type: Modification, Significant

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: 32-00059**

Federal Tax Id - Plant Code: 83-3299524-1

## Owner Information

Name: KEYSTONE CONEMAUGH PROJ LLC

Mailing Address: 175 CORNELL RD STE 1
BLAIRSVILLE, PA 15717-8076

## Plant Information

Plant: KEYSTONE CONEMAUGH PROJ LLC/CONEMAUGH STATION

Location: 32 Indiana County 32936 West Wheatfield Township

SIC Code: 4911 Trans. & Utilities - Electric Services

## Responsible Official

Name: BARRY J HUNT

Title: GEN MGR - CONEMAUGH STA

Phone: (724) 235 - 4500 Email: bhunt@keyconops.com

## Permit Contact Person

Name: JOHN SHIMSHOCK

Title: ENV SPEC - CONEMAUGH STA

Phone: (724) 235 - 4596 Email: jshimshock@keyconops.com

[Signature] _____

*ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER*

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## SECTION A. Table of Contents

## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | | Fuel/Material |
|---|---|---|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) | 8,280.000 | MMBTU/HR | |
| | | 335.000 | Tons/HR | Bituminous |
| | | 1,464.000 | MCF/HR | Natural Gas |
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) | 8,280.000 | MMBTU/HR | |
| | | 335.000 | Tons/HR | Bituminous |
| | | 1,464.000 | MCF/HR | Natural Gas |
| 039 | CMBSTN ENGINEEING AUX BOILER A (211.5 MMBTU/HR, STARTUP BLR) | 211.500 | MMBTU/HR | |
| | | 204.000 | MCF/HR | Natural Gas |
| 041 | ALSTOM PWR 32VP2180,AUXILIARY BOILER B (212.5 MMBTU/HR) | 212.500 | MMBTU/HR | |
| | | 160.000 | MCF/HR | Natural Gas |
| 101 | PLANT FUGITIVE EMISSION SOURCES | 1.000 | Tons/HR | |
| 101A | PAVED ROADS | | N/A | |
| 101B | UNPAVED ROADS | | N/A | |
| 101C | MATERIAL TRANSFER | | N/A | |
| 101D | WIND EROSION | | N/A | |
| 102 | 2 EMERGENCY DIESEL GENERATORS (1,662-BHP, EACH) | 76.800 | Gal/HR | Diesel Fuel |
| 103 | FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY) | 14.500 | Gal/HR | Diesel Fuel |
| 104 | PEAKING DIESEL A (3,600-BHP) | 219.000 | Gal/HR | #2 Oil |
| 105 | PEAKING DIESEL B (3,600-BHP) | 219.000 | Gal/HR | #2 Oil |
| 106 | PEAKING DIESEL C (3,600-BHP) | 219.000 | Gal/HR | #2 Oil |
| 107 | PEAKING DIESEL D (3,600-BHP) | 219.000 | Gal/HR | #2 Oil |
| 108 | PLANT SPACE HEATERS (29 MMBTU/HR) | 29.000 | MMBTU/HR | |
| | | 20.000 | Gal/HR | #2 Oil |
| 109 | GASOLINE STORAGE TANK | 1.000 | Gal/HR | GAS STORAGE |
| 110 | COAL PROCESSING PLANT | 832.130 | Tons/HR | COAL |
| 111 | SORBENT STORAGE SILOS | 250.000 | Lbs/HR | |
| 112 | FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY) | 7.000 | Gal/HR | Diesel Fuel |
| C01 | ESP 1 | | | |
| C02 | ESP 2 | | | |
| C03 | FLUE GAS DESULPH. (SCRUBBER-UNIT 1) | | | |
| C04 | FLUE GAS DESULPH. (SCRUBBER-UNIT 2) | | | |
| C05 | LNB W/SOFA 1 | | | |
| C06 | LNB W/SOFA 2 | | | |
| C07 | SCR WITH AQUEOUS AMMONIA INJECTION (UNIT 1) | | | |
| C08 | SCR WITH AQUEOUS AMMONIA INJECTION (UNIT 2) | | | |
| C101 | UNIT 1 SORBENT INJECTION SYSTEM | | | |
| C102 | UNIT 2 SORBENT INJECTION SYSTEM | | | |
| C111 | BIN VENT FILTERS | | | |
| S03 | AUX BOILERS STACK | | | |

## SECTION A. Site Inventory List

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|---|---|---|---|
| S04 | DIESEL A STACK | | |
| S05 | DIESEL B STACK | | |
| S06 | DIESEL C STACK | | |
| S07 | DIESEL D STACK | | |
| S09 | BOILER 1 FGD STACK | | |
| S10 | BOILER 2 FGD STACK | | |
| S111 | LIMESTONE/SO3 SORBENT STORAGE SILO EMISSIONS POINTS | | |
| S112 | FIRE PUMP DIESEL ENGINE B STACK | | |
| Z101 | PLANT FUGITIVES | | |
| Z101A | PAVED ROADS FUGITIVE EMISSIONS | | |
| Z101B | UNPAVED ROADS FUGITIVE EMISSIONS | | |
| Z101C | MATERIAL TRANSFERS FUGITIVE EMISSIONS | | |
| Z101D | WIND EROSION FUGITIVE EMISSIONS | | |
| Z102 | GENERATOR FUGITIVES | | |
| Z103 | FIRE PUMP FUGITIVES | | |
| Z108 | HEATER FUGITIVES | | |
| Z109 | GAS TANK FUGITIVES | | |
| Z110 | CONEMAUGH COAL PROCESSING PLANT FUGITIVES | | |

## PERMIT MAPS

CU 031 → CNTL C05 → CNTL C07 → CNTL C01 → CNTL C03 → STAC S09

Alternative Operation:

CU 031 → CNTL C05 → CNTL C07 → CNTL C01 → CNTL C101 → CNTL C03 → STAC S09

CU 032 → CNTL C06 → CNTL C08 → CNTL C02 → CNTL C04 → STAC S10

Alternative Operation:

CU 032 → CNTL C06 → CNTL C08 → CNTL C02 → CNTL C102 → CNTL C04 → STAC S10

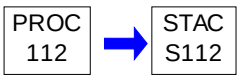
CU 039 → STAC S03

CU 041 → STAC S03

## PERMIT MAPS

| | | |
|---|---|---|
| PROC 101 | → | STAC Z101 |
| PROC 101A | → | STAC Z101A |
| PROC 101B | → | STAC Z101B |
| PROC 101C | → | STAC Z101C |
| PROC 101D | → | STAC Z101D |
| PROC 102 | → | STAC Z102 |
| PROC 103 | → | STAC Z103 |
| PROC 104 | → | STAC S04 |
| PROC 105 | → | STAC S05 |
| PROC 106 | → | STAC S06 |
| PROC 107 | → | STAC S07 |
| PROC 108 | → | STAC Z108 |
| PROC 109 | → | STAC Z109 |
| PROC 110 | → | STAC Z110 |
| PROC 111 | → CNTL C111 → | STAC S111 |

## 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 NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit.

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

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

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

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

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

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

## SECTION B. General Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Reactivation of Sources**

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

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

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

**Circumvention**

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

## SECTION B. General Title V Requirements

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

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

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

**Submissions**

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

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

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

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

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

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

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

**Sampling, Testing and Monitoring Procedures**

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

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

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

**Recordkeeping Requirements**

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

(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

## SECTION B. General Title V Requirements

(5) The results of the analyses.

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

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

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

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

**Reporting Requirements**

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

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

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

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

**#026 [25 Pa. Code § 127.513]**

**Compliance Certification**

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

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

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

## SECTION B. General Title V Requirements

**#027 [25 Pa. Code § 127.3]**

**Operational Flexibility**

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

(6) Section 127.462 (relating to minor operating permit amendments)

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

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

**Risk Management**

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

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

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

## SECTION B. General Title V Requirements

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

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

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

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

**#029 [25 Pa. Code § 127.512(e)]**

**Approved Economic Incentives and Emission Trading Programs**

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

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

**Permit Shield**

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

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

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

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

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

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

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

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

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

**#031 [25 Pa. Code §135.3]**

**Reporting**

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

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

**#032 [25 Pa. Code §135.4]**

**Report Format**

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

## SECTION C. Site Level Requirements

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.1]**

**Prohibition of certain fugitive emissions**

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

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Not applicable.

(8) Not applicable.

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and § 123.2 (relating to fugitive particulate matter) or of the requirements of § 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) See Work Practice Standards.

(d) Not applicable.

**# 002 [25 Pa. Code §123.2]**

**Fugitive particulate matter**

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

**# 003 [25 Pa. Code §123.31]**

**Limitations**

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

## SECTION C. Site Level Requirements

**# 004 [25 Pa. Code §123.41]**

**Limitations**

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

(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.

If the opacity limitation given by § 123.41 conflicts with any other opacity limitation in this permit, the more stringent limitation applies.

**# 005 [25 Pa. Code §129.14]**

**Open burning operations**

(a) Not applicable.

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

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

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

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

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

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

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

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

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

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

(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

(5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.

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

(7) A fire set solely for cooking food.

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

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

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

## SECTION C. Site Level Requirements

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

(2) Not applicable.

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

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

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

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

[The Conemaugh Station is not located in an air basin.]

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.]

### II. TESTING REQUIREMENTS.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

If, at any time, the Department has cause to believe that air contaminant emissions from the facility covered by this operating permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation, the Department shall require the permittee to conduct tests deemed necessary to demonstrate compliance. The permittee shall perform such testing in accordance with the applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the permittee is notified in writing, of the testing requirement.

**# 007 [25 Pa. Code §139.1]**

**Sampling facilities.**

Upon the request of the Department, the person responsible for a source 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.

### III. MONITORING REQUIREMENTS.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall conduct a daily inspection during daylight hours of sources covered by this permit that are operating at the facility to determine:

(1) the presence of visible stack emissions.
(2) the presence of visible fugitive emissions.
(3) the presence of malodors beyond the boundaries of the facility.

(b) All detected visible stack emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

(c) This inspection may not require a Method 9 certified observer. However, if visible stack emissions in excess of permit

## SECTION C. Site Level Requirements

limit persist beyond 24-hours (Or 48-hours on weekends or holidays.) and the condition is not abated, an observer certified in EPA Reference Method 9, found at 40 CFR Part 60, Appendix A, shall record Visible Emissions of the stack using the method for at least 1 hour during each 6-hour daylight period, until the opacity has been corrected.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 009 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Owner/Operator shall maintain on site the following comprehensive and accurate records:

(a) Amount of ammonia, limestone, hydrated lime, or other stockpiled material delivered to the Facility per month.

(b) Amount of ammonia, limestone, hydrated lime, or other stockpiled material used in Units 1 and 2 each month.

(c) Pressure drop readings across each installed bin vent collector during silo loading, once per week.

(d) The manufacturer's recommended maintenance schedule for, and all maintenance activities performed on, the SCR systems.

(e) The manufacturer's recommended maintenance schedule for, and all maintenance activities performed on, each bin vent collector and ammonia tank.

[From PA-32-00059E, Section C, Condition #004.]

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

At a minimum, all records and necessary calculations shall be retained for a minimum of at least five (5) years. These records and calculations shall be made available to the Department upon request.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall keep records of the daily facility inspections. Records shall include the name of the person conducting the inspections, the date and time of the inspection, and the results of each inspection. If instances of unpermitted visible stack emissions, visible fugitive emissions or malodorous air emissions are observed, records shall be kept of the corrective action taken to abate same and/or to prevent future occurrences.

(b) These records shall be maintained in a logbook, or equivalent recordkeeping approach.

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

**# 012 [25 Pa. Code §127.511]**

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

The Owner/Operator shall maintain monthly records of operating hours and fuel consumption for each source at this facility. Records shall include coal, fuel oil, ammonia use by each SCR, and limestone consumption. These records shall be used to calculate emissions for the sources at the facility and shall be used to determine compliance with emission limitations as appropriate.

In addition, as established in RACT I Operating Permit 32-000-059 and in accordance with 25 Pa Code §129.95, the permittee shall keep sufficient records to demonstrate compliance with the limitations, restrictions and requirements of the RACT I Operating Permit. These records shall provide sufficient data and calculations to clearly demonstrate compliance with all averaging times and periods.

## SECTION C. Site Level Requirements

**# 013 [25 Pa. Code §135.5]**

**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

### V. REPORTING REQUIREMENTS.

**# 014 [25 Pa. Code §127.442]**

**Reporting requirements.**

(a) The owner or operator shall report each malfunction that occurs at this facility that poses an imminent and substantial danger to the public health and safety or the environment or which it should reasonably believe may result in citizen complaints to the Department. For purpose of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions that may result in citizen complaints include but are not limited to: large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property of the person on whose land the source is being operated.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or the environment, the notification shall be submitted to the Department no later than one hour after the incident. All other malfunctions that must be reported under subsection (a) shall be reported to the Department no later than the next business day.

(c) The report shall describe the:

(i) name and location of the facility;
(ii) nature and cause of the malfunction;
(iii) time when the malfunction was first observed;
(iv) expected duration of excess emissions; and
(v) estimated rate of emissions.

(d) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.

(e) Subsequent to the malfunction, the owner/operator shall submit a full written report to the Department including the items identified in (c) and corrective measures taken on the malfunction within 15 days, if requested.

(f) Malfunctions shall be reported to the Department at the following address:

PADEP
Office of Air Quality
230 Chestnut Street
Meadville, PA 16335
814-332-6945

**# 015 [25 Pa. Code §127.442]**

**Reporting requirements.**

The owner/operator shall submit reports on the operation and maintenance of the source to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

**# 016 [25 Pa. Code §127.511]**

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

Owner/operator shall submit the semi-annual monitoring reports for this facility 30 days after the end of each reporting period. The January 30 semi-annual monitoring report shall cover the period from July 1 through December 31. This

## SECTION C. Site Level Requirements

semi-annual monitoring report may be included in the Title V Compliance Certification required by Title 25 PA Code § 127.513. The July 30 semi-annual monitoring report shall cover the period from January 1 through June 30. However, in accordance with Title 25 PA Code § 127.511(c), in no case shall the semi-annual monitoring report be submitted less often than every six (6) months.

[Pursuant to Section B, Condition #025]

**# 017 [25 Pa. Code §127.513]**

**Compliance certification.**

Permittee shall submit a Compliance Certification sufficient to demonstrate compliance with terms and conditions contained in the permit. Each Compliance Certification shall include the following:

(a) The identification of each term or condition of the permit that is the basis of the certification.

(b) The compliance status.

(c) The methods used for determining the compliance status of the source, currently and over the reporting period.

(d) Whether compliance was continuous or intermittent.

(e) Other facts the Department may require to determine the compliance status of the source.

Owner/operator shall submit a Title V Compliance Certification for this facility by January 30 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. This Certification shall be submitted to both the Director, Air, Toxics, and Radiation of EPA, Region III and the Regional Air Quality Program Manager, PA DEP. The Title V Compliance Certification may be emailed to EPA Region III at R3_APD_Permits@epa.gov in lieu of mailing a hard copy. However, in accordance with Title 25 PA Code § 127.513(5)(i), in no case shall the Title V Compliance Certification be submitted less often than annually. This may require that an interim Title V Compliance Certification (covering a period less than one year) be submitted to bring the facility into compliance with this schedule.

**# 018 [25 Pa. Code §135.21]**

**Emission statements**

The owner or operator of each stationary source emitting oxides of nitrogen and/or VOCs shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]**

**Subpart A - General Provisions**

**Address.**

Sources at the facility are subject to the applicable requirements of the following regulations and shall comply with all applicable notification and reporting requirements contained in 40 CFR, Part 60,

Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units) and;

Subpart Y (Standards of Performance for Coal Preparation and Processing Plants);

and contained in 40 CFR, Part 63,

Subpart ZZZZ (National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines.);

Subpart DDDDD (National Emission Standards for Hazardous Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.); and;

## SECTION C. Site Level Requirements

Subpart UUUUU (National Emission Standards for Hazardous Pollutants for Coal- and Oil-fired Electric Steam Utility Steam Generating Units.).

In accordance with 40 CFR § 60.4 and 40 CFR § 63.13, copies of all requests, reports, applications, submittals and other communications shall be forwarded to both the Environmental Protection Agency and the Pennsylvania Department of Environmental Protection at the addresses shown below, unless otherwise noted:

Director, Air Protection Division
Environmental Protection Agency
Region III
Mail Code 3AP20
1650 Arch Street
Philadelphia, PA 19103-2029

PA Department of Environmental Protection
Regional Air Quality Program Manager
230 Chestnut Street
Meadville, PA 16335

This permit contains language from the Code of Federal Regulations (CFR). Should the wording of the federal citations of the conditions in this permit be changed in the CFR, the new wording shall supersede the language of this permit.

**# 020 [40 CFR Part 68 EPA Provisions for Chemical Accident Prevention §40 CFR 68.150]**

**Subpart G - Risk Management Plan**

**Submission.**

An updated Risk Management Plan shall be submitted to both EPA and the Department prior to the storage on site of any regulated toxic substances in excess of the threshold quantities listed in Table 1 to 40 CFR § 68.130 and in excess of the substances contained in the existing plan for the facility. The Risk Management Plan shall include all of the requirements of 40 CFR Part 68, Subpart G.

[From PA-32-00059E, Section C, Condition #007.]

### VI. WORK PRACTICE REQUIREMENTS.

**# 021 [25 Pa. Code §123.1]**

**Prohibition of certain fugitive emissions**

(c) A person responsible for any source specified in § 123.1 (a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

(3) Paving and maintenance of roadways.

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

**# 022 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

All air contamination sources and controls shall be operated per the manufacturer's specifications and maintained according to the manufacturer's recommended maintenance schedule.

[From PA-32-00059E, Section C, Condition #008.]

**# 023 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

## SECTION C. Site Level Requirements

The permittee is authorized to evaporate non-hazardous chemical cleaning waste generated at the facility, in Unit 1 or Unit 2 provided that the waste feed rate does not exceed 400 gallons/minute.

**# 024 [25 Pa. Code §127.444]**

**Compliance requirements.**

The owner/operator shall maintain and operate all the sources and control devices at this facility in accordance with manufacturer's specification good operating practices.

**# 025 [25 Pa. Code §129.97]**

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

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

### VII. ADDITIONAL REQUIREMENTS.

**# 026 [25 Pa. Code §123.42]**

**Exceptions**

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

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

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

(3) When the emission results from sources specified in § 123.1 (a)(1)-(9) (relating to prohibition of certain fugitive emissions).

(4) N/A.

**# 027 [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.

**# 028 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The plant manager is officially recognized as a delegated responsible official.

**# 029 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Mass emissions may be determined using engineering calculations based on fuel and raw material purchase records, manufacturers specifications, AP-42 emission factors, source test results, operating records, material balance methods, and/or other applicable methods with written Departmental approval.

**# 030 [25 Pa. Code §129.96]**

**Applicability**

(a) The NOx requirements of this section and § § 129.97—129.100 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and § § 129.97—129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

(b) N/A

## SECTION C. Site Level Requirements

(c) This section and § § 129.97—129.100 do not apply to the owner and operator of a NOx air contamination source located at a major NOx emitting facility that has the potential to emit less than 1 TPY of NOx or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

(d) N/A

[The Conemaugh Generating Station is both a major NOx and VOC emitting facility and sources at the facility (Source IDs 031, 032, 039, 041, 102 - 108, 112) have applicable requirements under RACT II (25 Pa. Code § § 129.96 - 129.100).]

### VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 12/31/2021 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

### IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

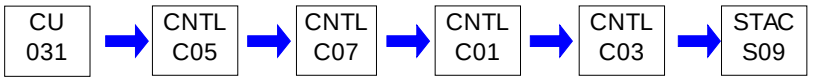
***** Permit Shield In Effect *****

## SECTION D. Source Level Requirements

Source ID: 031 Source Name: MAIN BOILER 1 (PC, 8,280 MMBTU/HR)

| | | | |
|---|---|---|---|
| Source Capacity/Throughput: | 8,280.000 | MMBTU/HR | |
| | 335.000 | Tons/HR | Bituminous |
| | 1,464.000 | MCF/HR | Natural Gas |

Conditions for this source occur in the following groups: G01
G07
G08
G09
G10
G12




This source occurs in alternate operation OPTIONAL SORBENT INJECTION SYSTEM 1

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

CSAPR Trading Program Title V Requirements

Description of CSAPR Monitoring Provisions

## SECTION D. Source Level Requirements

The CSAPR unit(s), and the unit-specific monitoring provisions at this source, are identified in the following table(s). These unit(s) are subject to the requirements for the CSAPR NOx Annual Trading Program, CSAPR SO2 Group 1 Trading Program and CSAPR NOx Ozone Season Group 3 Trading Program.

Table A - Unit ID: Boiler 1, (Source ID 031)
1. Does the continuous emission monitoring system (CEMS) meet its requirements pursuant to 40 CFR Part 75, Subpart B (for SO2 monitoring) and 40 CFR Part 75, Subpart H (for NOx monitoring)?

Parameter

SO2 Yes
NOx Yes
Heat Input Yes

2. Does the CEMS have EPA-approved alternative monitoring system requirements pursuant to 40 CFR Part 75, Subpart E?

Parameter

SO2 No
NOx No
Heat Input No

1. The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR 97.430 through 97.435 (CSAPR NOx Annual Trading Program), 97.630 through 97.635 (CSAPR SO2 Group 1 Trading Program), and 97.1030 through 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.

2. Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at http://www.epa.gov/airmarkets/emissions/monitoringplans.html.

3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR 75.66 and 97.435 (CSAPR NOx Annual Trading Program), 97.635 (CSAPR SO2 Group 1 Trading Program), and 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at http://www.epa.gov/airmarkets/emissions/petitions.html.

4. Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.430 through 97.434 (CSAPR NOx Annual Trading Program), 97.630 through 97.634 (CSAPR SO2 Group 1 Trading Program) and 97.1030 through 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 97.435 (CSAPR NOx Annual Trading Program), 97.635 (CSAPR SO2 Group 1 Trading Program), and 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at http://www.epa.gov/airmarkets/emissions/petitions.html.

5. The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.430 through 97.434 (CSAPR NOx Annual Trading Program), 97.630 through 97.634 (CSAPR SO2 Group 1 Trading Program) and 97.1030 through 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.

[This restriction is attributable to 40 CFR Part 97, Subpart AAAAA—CSAPR NOX Annual Trading Program, Subpart CCCCC—CSAPR SO2 Group 1 Trading Program, and Subpart GGGGG—CSAPR NOx Ozone Season Group 3 Trading Program.]

## SECTION D. Source Level Requirements

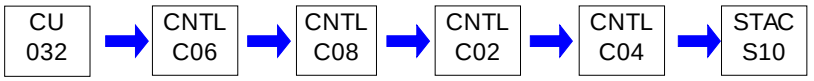
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 032 Source Name: MAIN BOILER 2 (PC, 8,280 MMBTU/HR)

| | | | |
|---|---|---|---|
| Source Capacity/Throughput: | 8,280.000 | MMBTU/HR | |
| | 335.000 | Tons/HR | Bituminous |
| | 1,464.000 | MCF/HR | Natural Gas |

Conditions for this source occur in the following groups: G01
G07
G08
G09
G10
G12




This source occurs in alternate operation OPTIONAL SORBENT INJECTION SYSTEM 2

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

CSAPR Trading Program Title V Requirements

Description of CSAPR Monitoring Provisions

## SECTION D. Source Level Requirements

The CSAPR unit(s), and the unit-specific monitoring provisions at this source, are identified in the following table(s). These unit(s) are subject to the requirements for the CSAPR NOx Annual Trading Program, CSAPR SO2 Group 1 Trading Program and CSAPR NOx Ozone Season Group 3 Trading Program.

Table A - Unit ID: Boiler 2, Source ID 032)
1. Does the continuous emission monitoring system (CEMS) meet its requirements pursuant to 40 CFR Part 75, Subpart B (for SO2 monitoring) and 40 CFR Part 75, Subpart H (for NOx monitoring)?

Parameter

SO2 Yes
NOx Yes
Heat Input Yes

2. Does the CEMS have EPA-approved alternative monitoring system requirements pursuant to 40 CFR Part 75, Subpart E?

Parameter

SO2 No
NOx No
Heat Input No

1. The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR 97.430 through 97.435 (CSAPR NOx Annual Trading Program), 97.630 through 97.635 (CSAPR SO2 Group 1 Trading Program), and 97.1030 through 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.

2. Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at http://www.epa.gov/airmarkets/emissions/monitoringplans.html.

3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR 75.66 and 97.435 (CSAPR NOx Annual Trading Program), 97.635 (CSAPR SO2 Group 1 Trading Program), and 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at http://www.epa.gov/airmarkets/emissions/petitions.html.

4. Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.430 through 97.434 (CSAPR NOx Annual Trading Program), 97.630 through 97.634 (CSAPR SO2 Group 1 Trading Program) and 97.1030 through 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 97.435 (CSAPR NOx Annual Trading Program), 97.635 (CSAPR SO2 Group 1 Trading Program), and 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at http://www.epa.gov/airmarkets/emissions/petitions.html.

5. The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.430 through 97.434 (CSAPR NOx Annual Trading Program), 97.630 through 97.634 (CSAPR SO2 Group 1 Trading Program) and 97.1030 through 97.1035 (CSAPR NOx Ozone Season Group 3 Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.

[This restriction is attributable to 40 CFR Part 97, Subpart AAAAA—CSAPR NOX Annual Trading Program, Subpart CCCCC—CSAPR SO2 Group 1 Trading Program, and Subpart GGGGG—CSAPR NOx Ozone Season Group 3 Trading Program.]

## SECTION D. Source Level Requirements

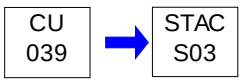
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 039 Source Name: CMBSTN ENGINEEING AUX BOILER A (211.5 MMBTU/HR, STARTUP BLR)

Source Capacity/Throughput: 211.500 MMBTU/HR
204.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G03
G11




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.11]**

**Combustion units**

A person shall not permit the emission into the outdoor atmosphere of particulate matter from Auxiliary Boiler A in excess of 0.180 pounds per MMBtu.

[Compliance with this restriction is ensured by compliance with Condition #002.]

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the conditions of Plan Approval/Operating Permit 32-302-033A:

Emissions from this unit shall not exceed the following:

WHEN BURNING NATURAL GAS

| Pollutant | lb/mmBtu | lb/hr | tons/any consecutive 12-month period |
|---|---|---|---|
| Particulate | 0.006 | 1.27 | 0.56 |
| SO2 | 0.00056 | 0.118 | 0.05 |
| NOx | 0.135 | 28.5 | 12.5 |
| CO | 0.143 | 30.24 | 13.24 |
| VOCs | 0.0042 | 0.888 | 0.39 |

### Throughput Restriction(s).

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Annual Heat Input from natural gas to Auxiliary Boiler A (Source ID 039) is limited to 185,200 MMBtu during any consecutive 12-month period.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

## 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) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

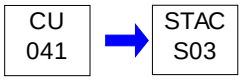
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 041 Source Name: ALSTOM PWR 32VP2180,AUXILIARY BOILER B (212.5 MMBTU/HR)

Source Capacity/Throughput: 212.500 MMBTU/HR
160.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: G03
G11




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.11]**

**Combustion units**

A person shall not permit the emission into the outdoor atmosphere of particulate matter from Auxiliary Boiler B in excess of 0.179 pounds per MMBtu.

[Compliance with this restriction is ensured by compliance with Condition #002.]

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the conditions of Plan Approval PA-32-00059A:

Emissions from this unit shall not exceed the following:

| Pollutant | lb/MMBtu | lb/hr | tons/any consecutive 12-month period |
|---|---|---|---|
| PM10 | 0.03 | 6.38 | 2.79 |
| SO2 | 0.051 | 101.3 | 39.9 |
| NOx | [Reserved] | | |
| CO | 0.084 | 17.9 | 7.8 |
| VOC | 0.0067 | 1.3 | 0.6 |
| HCl | 0.0009 | 0.18 | 0.1 |

### Throughput Restriction(s).

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Annual Heat Input from natural gas to Auxiliary Boiler B (Source ID 041) is limited to 186,150 MMBtu during any consecutive 12-month period.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

## 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) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

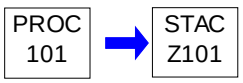
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

## SECTION D. Source Level Requirements

Source ID: 101 Source Name: PLANT FUGITIVE EMISSION SOURCES

Source Capacity/Throughput: 1.000 Tons/HR




### 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 Owner/Operator shall maintain records of monthly and 12-month rolling total of gypsum stockpiling.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION D. Source Level Requirements

Source ID: 101A Source Name: PAVED ROADS

Source Capacity/Throughput: N/A

PROC 101A → STAC Z101A

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

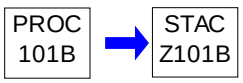
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

## SECTION D. Source Level Requirements

Source ID: 101B Source Name: UNPAVED ROADS

Source Capacity/Throughput: N/A




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

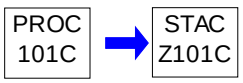
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

## SECTION D. Source Level Requirements

Source ID: 101C Source Name: MATERIAL TRANSFER

Source Capacity/Throughput: N/A




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION D. Source Level Requirements

Source ID: 101D Source Name: WIND EROSION

Source Capacity/Throughput: N/A

PROC 101D → STAC Z101D

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION D. Source Level Requirements

Source ID: 102 Source Name: 2 EMERGENCY DIESEL GENERATORS (1,662-BHP, EACH)

Source Capacity/Throughput: 76.800 Gal/HR Diesel Fuel

PROC 102 → STAC Z102

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### Operation Hours Restriction(s).

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

The emergency power diesel engines shall each be limited to operating less than 500 hours during any consecutive 12-month period.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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.**

In accordance with the special conditions of operating permit 32-000-059:

The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses for this/these source(s).

### 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.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

These units shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control and engineering practices.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

You must install a non-resettable hour meter on each engine comprising this source (Source ID 102) if one is not already installed.

**# 007 [25 Pa. Code §129.97]**

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

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

### VII. ADDITIONAL REQUIREMENTS.

**# 008 [25 Pa. Code §127.511]**

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

The owner or operator shall verify compliance with the particulate mass emission rate of 25 Pa. Code § 123.13, the opacity standards of 25 Pa. Code § 123.41, and SO2 limitations of 25 Pa. Code § 123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

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

**What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

(ii)-(iv) Not applicable.

(2)-(3) Not applicable.

(b) Stationary RICE subject to limited requirements.

(1)-(2) Not applicable.

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i)-(ii) Not applicable.

(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii).

## SECTION D. Source Level Requirements

(iv)-(v) Not applicable.

(c) Not applicable.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**

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

**What definitions apply to this subpart?**

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

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

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

(3) N/A.

[§63.6640(f) states:

If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

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

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

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

(ii) - (iii) N/A.

(3) Emergency stationary RICE located at major sources of HAP 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 and emergency demand response provided in paragraph (f)(2) of this section.

**SECTION D. Source Level Requirements**

The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) N/A.]

[Each of the engines that comprise Source ID 102 are emergency engines not used for peak shaving or non-emergency demand response and complying with this definition of emergency stationary RICE under 40 CFR Part 63, Subpart ZZZZ. 40 CFR § 63.6590(b)(3) states:

(3) The following stationary RICE do not have to meet the requirements of this subpart(Subpart ZZZZ) and of subpart A of this part, including initial notification requirements:

(i) - (ii) N/A.

(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii).

(iv) - (v) N/A.

Therefore, these engines have no applicable requirements under 40 CFR Part 60, Subpart ZZZZ.]

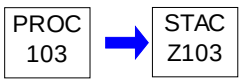
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 103 Source Name: FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY)

Source Capacity/Throughput: 14.500 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: G05




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

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

**What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) N/A.

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) - (iv) N/A.

(2) - (3) N/A.

(b) - (c) N/A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

[Fire Pump Diesel Engine A (Source ID 103) is an existing, non-emergency, compression ignition (CI) engine with applicable requirements under 40 CFR Part 63, Subpart ZZZZ.]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**

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

**When do I have to comply with this subpart?**

(a) Affected sources. (1) If you have “an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013.”

(2) - (7) N/A.

(b) N/A.

(c) N/A

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

**# 005 [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?**

If you 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, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in §63.6620 and Table 4 to this

subpart.

[78 FR 6701, Jan. 30, 2013]

[Table 2c states: For each "3. Non-Emergency, non-black start CI stationary RICE larger than or equal to 100-bhp and smaller than or equal to 500-bhp", you must meet the following requirement, except during periods of startup. Limit concentration of CO in the stationary RICE exhaust to 230 ppmvd or less at 15 percent O2. During periods of startup you must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

The initial compliance test of Fire Pump Diesel Engine A, meeting the requirements of Table 4, took place on August 23, 2013.]

**# 006 [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?**

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator 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 the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

**# 007 [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?**

(a) - (g) N/A.

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) - (j) N/A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**

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

**What reports must I submit and when?**

(a) You must submit each report in Table 7 of this subpart that applies to you.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

**SECTION D. Source Level Requirements**

(1) - (2) N/A.

(3) For semiannual Compliance reports, each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) - (9) N/A.

(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

(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 and beginning and ending dates of the reporting period.

(4) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b), including actions taken to correct a malfunction.

(5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

(6) N/A.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) N/A.

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(g) - (h) N/A.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

Table 7 states:

## SECTION D. Source Level Requirements

For each; 1. Existing non-emergency, non-black start stationary RICE larger than or equal to100-bhp and smaller than or equal to 500-bhp located at a major source of HAP, you must submit a compliance report. The report must contain:

a. If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. You must submit the report; i. Semiannually according to the requirements in §63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to numerical emission limitations.

b. If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in §63.6650(d). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

c. If you had a malfunction during the reporting period, the information in §63.6650(c)(4). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

**# 009 [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?**

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (f) N/A.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

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

**In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

## SECTION D. Source Level Requirements

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**

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

**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.

[75 FR 9678, Mar. 3, 2010]

[Table 8 to Subpart ZZZZ of Part 63-Application of General Provisions to Subpart ZZZZ states:

General provisions citation A. Subject of citation B. Applies to subpart (Y/N) C. Explanation

§63.1 A. General applicability of the General Provisions B. Yes.
§63.2 A. Definitions B. Yes. C. Additional terms defined in §63.6675.
§63.3 A. Units and abbreviations B. Yes.
§63.4 A. Prohibited activities and circumvention B. Yes.
§63.5 A. Construction and reconstruction B. Yes.
§63.6(a) A. Applicability B. Yes.
§63.6(b)(1)-(4) A. Compliance dates for new and reconstructed sources B. Yes.
§63.6(b)(5) A. Notification B. Yes.
§63.6(b)(6) A. [Reserved]
§63.6(b)(7) A. Compliance dates for new and reconstructed area sources that become major sources B. Yes.
§63.6(c)(1)-(2) A. Compliance dates for existing sources B. Yes.
§63.6(c)(3)-(4) A. [Reserved]
§63.6(c)(5) A. Compliance dates for existing area sources that become major sources B. Yes.
§63.6(d) A. [Reserved]
§63.6(e) A. Operation and maintenance B. No.
§63.6(f)(1) A. Applicability of standard B. No.
§63.6(f)(2) A. Methods for determining compliance B. Yes.
§63.6(f)(3) A. Finding of compliance B. Yes.
§63.6(g)(1)-(3) A. Use of alternate standard B. Yes.
§63.6(h) A. Opacity and visible emission standards B. No. C. Subpart ZZZZ does not contain opacity or visible emission standards.
§63.6(i) A. Compliance extension procedures and criteria B. Yes.
§63.6(j) A. Presidential compliance exemption B. Yes.
§63.7(a)(1)-(2) A. Performance test dates B. Yes. C. Subpart ZZZZ contains performance test dates at §§63.6610, 63.6611, and 63.6612.
§63.7(a)(3) A. CAA section 114 authority B. Yes.
§63.7(b)(1) A. Notification of performance test B. Yes. C. Except that §63.7(b)(1) only applies as specified in §63.6645.
§63.7(b)(2) A. Notification of rescheduling B. Yes. C. Except that §63.7(b)(2) only applies as specified in §63.6645.
§63.7(c) A. Quality assurance/test plan B. Yes. C. Except that §63.7(c) only applies as specified in

## SECTION D. Source Level Requirements

§63.6645.
§63.7(d) A. Testing facilities B. Yes.
§63.7(e)(1) A. Conditions for conducting performance tests B. No. C. Subpart ZZZZ specifies conditions for conducting performance tests at §63.6620.
§63.7(e)(2) A. Conduct of performance tests and reduction of data B. Yes. C. Subpart ZZZZ specifies test methods at §63.6620.
§63.7(e)(3) A. Test run duration B. Yes.
§63.7(e)(4) A. Administrator may require other testing under section 114 of the CAA B. Yes.
§63.7(f) A. Alternative test method provisions B. Yes.
§63.7(g) A. Performance test data analysis, recordkeeping, and reporting B. Yes.
§63.7(h) A. Waiver of tests B. Yes.
§63.8(a)(1) Applicability of monitoring requirements B. Yes. C. Subpart ZZZZ contains specific requirements for monitoring at §63.6625.
§63.8(a)(2) A. Performance specifications B. Yes.
§63.8(a)(3) A. [Reserved]
§63.8(a)(4) A. Monitoring for control devices B. No.
§63.8(b)(1) A. Monitoring B. Yes.
§63.8(b)(2)-(3) A. Multiple effluents and multiple monitoring systems B. Yes.
§63.8(c)(1) A. Monitoring system operation and maintenance B. Yes.
§63.8(c)(1)(i) A. Routine and predictable SSM B. No.
§63.8(c)(1)(ii) A. SSM not in Startup Shutdown Malfunction Plan B. Yes.
§63.8(c)(1)(iii) A. Compliance with operation and maintenance requirements B. No.
§63.8(c)(2)-(3) A. Monitoring system installation B. Yes.
§63.8(c)(4) A. Continuous monitoring system (CMS) requirements B. Yes. C. Except that subpart ZZZZ does not require Continuous Opacity Monitoring System (COMS).
§63.8(c)(5) A. COMS minimum procedures B. No. C.Subpart ZZZZ does not require COMS.
§63.8(c)(6)-(8) A. CMS requirements B. Yes. C. Except that subpart ZZZZ does not require COMS.
§63.8(d) A. CMS quality control B. Yes.
§63.8(e) A. CMS performance evaluation B. Yes, except that §63.8(e) only applies as specified in §63.6645. C. Except for §63.8(e)(5)(ii), which applies to COMS.
§63.8(f)(1)-(5) A. Alternative monitoring method B. Yes. C. Except that §63.8(f)(4) only applies as specified in §63.6645.
§63.8(f)(6) A. Alternative to relative accuracy test B. Yes. C. Except that §63.8(f)(6) only applies as specified in §63.6645.
§63.8(g) A. Data reduction B. Yes. C. Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at §§63.6635 and 63.6640.
§63.9(a) A. Applicability and State delegation of notification requirements B. Yes.
§63.9(b)(1)-(5) A. Initial notifications B. Yes, except that §63.9(b) only applies as specified in §63.6645 C. Except that §63.9(b)(3) is reserved.
§63.9(c) A. Request for compliance extension B. Yes. C. Except that §63.9(c) only applies as specified in §63.6645.
§63.9(d) A. Notification of special compliance requirements for new sources B. Yes. C. Except that §63.9(d) only applies as specified in §63.6645.
§63.9(e) A. Notification of performance test B. Yes. C. Except that §63.9(e) only applies as specified in §63.6645.
§63.9(f) A. Notification of visible emission (VE)/opacity test B. No. C. Subpart ZZZZ does not contain opacity or VE standards.
§63.9(g)(1) A. Notification of performance evaluation B. Yes. C. Except that §63.9(g) only applies as specified in §63.6645.
§63.9(g)(2) A. Notification of use of COMS data B. No. C. Subpart ZZZZ does not contain opacity or VE standards.
§63.9(g)(3) A. Notification that criterion for alternative to RATA is exceeded B. Yes, Except that §63.9(g) only applies as specified in §63.6645. C. If alternative is in use.
§63.9(h)(1)-(6) A. Notification of compliance status B. Yes. C. Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. §63.9(h)(4) is reserved and except that §63.9(h) only applies as specified in §63.6645.

## SECTION D. Source Level Requirements

| | |
|---|---|
| §63.9(i) | A. Adjustment of submittal deadlines B. Yes. |
| §63.9(j) | A. Change in previous information B. Yes. |
| §63.10(a) | A. Administrative provisions for recordkeeping/reporting B. Yes. |
| §63.10(b)(1) | A. Record retention B. Yes. C. Except that the most recent 2 years of data do not have to be retained on site. |
| §63.10(b)(2)(i)-(v) | A. Records related to SSM B. No. |
| §63.10(b)(2)(vi)-(xi) | A. Records B. Yes. |
| §63.10(b)(2)(xii) | A. Record when under waiver B. Yes. |
| §63.10(b)(2)(xiii) | A. Records when using alternative to RATA B. Yes. C. For CO standard if using RATA alternative. |
| §63.10(b)(2)(xiv) | A. Records of supporting documentation B. Yes. |
| §63.10(b)(3) | A. Records of applicability determination B. Yes. |
| §63.10(c) | A. Additional records for sources using CEMS B. Yes. C. Except that §63.10(c)(2)-(4) and (9) are reserved. |
| §63.10(d)(1) | A. General reporting requirements B. Yes. |
| §63.10(d)(2) | A. Report of performance test results Yes. |
| §63.10(d)(3) | A. Reporting opacity or VE observations B. No. C. Subpart ZZZZ does not contain opacity or VE standards. |
| §63.10(d)(4) | A. Progress reports B. Yes. |
| §63.10(d)(5) | A. Startup, shutdown, and malfunction reports B. No. |
| §63.10(e)(1) and (2)(i) | A. Additional CMS Reports B. Yes. |
| §63.10(e)(2)(ii) | A. COMS-related report B. No. C. Subpart ZZZZ does not require COMS. |
| §63.10(e)(3) | A. Excess emission and parameter exceedances reports B. Yes. C. Except that §63.10(e)(3)(i) (C) is reserved. |
| §63.10(e)(4) | A. Reporting COMS data B. No. C. Subpart ZZZZ does not require COMS. |
| §63.10(f) | A. Waiver for recordkeeping/reporting B. Yes. |
| §63.11 | A. Flares B. No. |
| §63.12 | A. State authority and delegations B. Yes. |
| §63.13 | A. Addresses B. Yes. |
| §63.14 | A. Incorporation by reference B. Yes. |
| §63.15 | A. Availability of information B. Yes.] |

[75 FR 9688, Mar. 3, 2010, as amended at 78 FR 6720, Jan. 30, 2013]

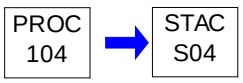
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 104 Source Name: PEAKING DIESEL A (3,600-BHP)

Source Capacity/Throughput: 219.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G04




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

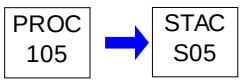
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 105 Source Name: PEAKING DIESEL B (3,600-BHP)

Source Capacity/Throughput: 219.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G04




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

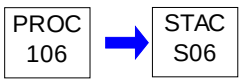
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 106 Source Name: PEAKING DIESEL C (3,600-BHP)

Source Capacity/Throughput: 219.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G04




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

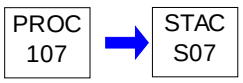
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 107 Source Name: PEAKING DIESEL D (3,600-BHP)

Source Capacity/Throughput: 219.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G04




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

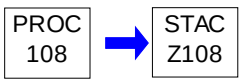
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

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

## SECTION D. Source Level Requirements

Source ID: 108 Source Name: PLANT SPACE HEATERS (29 MMBTU/HR)

Source Capacity/Throughput: 29.000 MMBTU/HR
20.000 Gal/HR #2 Oil




### I. RESTRICTIONS.

### Throughput Restriction(s).

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

Each space heater shall be limited to a maximum heat input of 20 mmBtu/hr.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

All miscellaneous combustion sources, including the 13 space heaters shall be operated and maintained in accordance with manufacturer specifications and good air pollution control and engineering practices.

**# 003 [25 Pa. Code §129.97]**

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

The permittee shall install, maintain, and operate each space heater in accordance with the manufacturer's specifications and with good operating practices. [Authority for this requirement is based on 25 Pa. Code §129.97(c)(3)]

## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

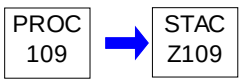
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

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

## SECTION D. Source Level Requirements

Source ID: 109 Source Name: GASOLINE STORAGE TANK

Source Capacity/Throughput: 1.000 Gal/HR GAS STORAGE




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION D. Source Level Requirements

Source ID: 110 Source Name: COAL PROCESSING PLANT

Source Capacity/Throughput: 832.130 Tons/HR COAL

PROC 110 → STAC Z110

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.254]**

**Subpart Y - Standards of Performance for Coal Preparation Plants**

**Test methods and procedures.**

(a) Not applicable.

(b) On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in paragraphs (b)(1) through (3) of this section, as applicable to the affected facility.

(1) Except as provided in paragraph (b)(3) of this section, the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.

(2) The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf).

(3) Equipment used in the loading, unloading, and conveying operations of open storage piles are not subject to the opacity limitations of paragraph (b)(1) of this section.

(c) Not applicable.

[Compliance with §60.254(b)(3) shall be met by complying with 25 Pa. Code §123.41.]

### Throughput Restriction(s).

**# 002 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

Throughputs during any consecutive 12-month period shall be limited as follows:

a. Facility

i. Raw coal delivered to the facility (includes Coal Processing Plant) shall not exceed 7,289,419 tons.

b. Coal Processing Plant

i. Crusher throughput shall not exceed 5,475,847 tons.

ii. Stockpile throughput shall not exceed 3,064,039 tons.

[From PA-32-00059B, Section D, Source ID 110, Condition #004.]

## SECTION D. Source Level Requirements

### II. TESTING REQUIREMENTS.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.255]**

**Subpart Y - Standards of Performance for Coal Preparation Plants**

**Performance tests and other compliance requirements.**

(a) Not applicable.

(b) An owner or operator of each affected facility that commenced construction, reconstruction, or modification after April 28, 2008, must conduct performance tests according to the requirements of §60.8 and the methods identified in §60.257 to demonstrate compliance with the applicable emissions standards in this subpart as specified in paragraphs (b)(1) and (2) of this section.

(1) Not applicable.

(2) For each affected facility subject to an opacity standard, an initial performance test must be performed. Thereafter, a new performance test must be conducted according to the requirements in paragraphs (b)(2)(i) through (iii) of this section, as applicable, except as provided for in paragraphs (e) and (f) of this section. Performance test and other compliance requirements for coal truck dump operations are specified in paragraph (h) of this section.

(i) If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test must be conducted within 90 operating days of the date that the previous performance test was required to be completed.

(ii) If all 6-minute average opacity readings in the most recent performance test are equal to or less than half the applicable opacity limit, a new performance test must be conducted within 12 calendar months of the date that the previous performance test was required to be completed.

(iii) Not applicable,

(c)-(e) Not applicable.

(f) As an alternative to meeting the requirements in paragraph (b)(2) of this section, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1) or (f)(2) of this section.

(1) Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of this section.

(i) Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of this part. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of this part, performance test must be conducted within 45 operating days.

(ii) Conduct monthly visual observations of all process and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

(iii) Not applicable.

(2) Not applicable.

(g) Not applicable.

(h) The owner or operator of each affected coal truck dump operation that commenced construction, reconstruction, or modification after April 28, 2008, must meet the requirements specified in paragraphs (h)(1) through (3) of this section.

## SECTION D. Source Level Requirements

(1) Conduct an initial performance test using Method 9 of appendix A-4 of this part according to the requirements in paragraphs (h)(1)(i) and(ii).

(i) Opacity readings shall be taken during the duration of three separate truck dump events. Each truck dump event commences when the truck bed begins to elevate and concludes when the truck bed returns to a horizontal position.

(ii) Compliance with the applicable opacity limit is determined by averaging all 15-second opacity readings made during the duration of three separate truck dump events.

(2) Conduct monthly visual observations of all process and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

(3) Conduct a performance test using Method 9 of appendix A-4 of this part at least once every 5 calendar years for each affected facility.

[Performance testing waived per EPA letter dated 6/1/2011]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.257]**

**Subpart Y - Standards of Performance for Coal Preparation Plants**

**Test methods and procedures.**

(a) The owner or operator must determine compliance with the applicable opacity standards as specified in paragraphs (a)(1) through (3) of this section.

(1) Method 9 of appendix A-4 of this part and the procedures in §60.11 must be used to determine opacity, with the exceptions specified in paragraphs (a)(1)(i) and (ii).

(i) The duration of the Method 9 of appendix A-4 of this part performance test shall be 1 hour (ten 6-minute averages).

(ii) If, during the initial 30 minutes of the observation of a Method 9 of appendix A-4 of this part performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes.

(2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified in paragraphs (a)(2)(i) through (iii) must be used.

(i) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back.

(ii) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction.

(iii) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission.

(3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified in paragraphs (a)(3)(i) through (iii) of this section are met.

(i) No more than three emissions points may be read concurrently.

(ii) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point.

## SECTION D. Source Level Requirements

(b) Not applicable.

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

**# 005 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Owner/Operator shall maintain monthly records and determine 12-month rolling totals of the following:

a. Facility (includes Coal Processing Plant)

i. Tons of raw coal delivered.

b. Coal Processing Plant

i. Tons of raw coal delivered.

ii. Tons of coal crushed.

iii. Tons of coal stockpile throughput.

[From PA-32-00059B, Section D, Source ID 110, Condition #006.]

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.258]**

**Subpart Y - Standards of Performance for Coal Preparation Plants**

**Reporting and recordkeeping.**

(a) The owner or operator of a coal preparation and processing plant that commenced construction, reconstruction, or modification after April 28, 2008, shall maintain in a logbook (written or electronic) on-site and make it available upon request. The logbook shall record the following:

(1) The manufacturer's recommended maintenance procedures and the date and time of any maintenance and inspection activities and the results of those activities. Any variance from manufacturer recommendation, if any, shall be noted.

(2) The date and time of periodic coal preparation and processing plant visual observations, noting those sources with visible emissions along with corrective actions taken to reduce visible emissions. Results from the actions shall be noted.

(3) The amount and type of coal processed each calendar month.

(4) The amount of chemical stabilizer or water purchased for use in the coal preparation and processing plant.

(5) Monthly certification that the dust suppressant systems were operational when any coal was processed and that manufacturer's recommendations were followed for all control systems. Any variance from the manufacturer's recommendations, if any, shall be noted.

(6)-(10) Not applicable.

(b) For the purpose of reports required under section 60.7(c), any owner operator subject to the provisions of this subpart also shall report semiannually periods of excess emissions as follow:

## SECTION D. Source Level Requirements

(1)-(2) Not applicable.

(3) All 6-minute average opacities that exceed the applicable standard.

(c) Not applicable.

(d) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with this subpart, the owner or operator of the affected facility must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the owner or operator of the affected facility must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Coal Processing Plant shall not accept deliveries of trucked coal at any time when trucked coal is being delivered on the Conemaugh Power Plant side of SR-2008.

[From PA-32-00059B, Section D, Source ID 110, Condition #003.]

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

Coal shall be stockpiled in such a manner that it may be treated by the on-site pressurized water truck, or by surfactant application, as necessary to prevent fugitive emissions. All coal shall be adequately treated prior to, during, and after processing, as necessary to prevent fugitive emissions.

[From PA-32-00059B, Section D, Source ID 110, Condition #013.]

**# 009 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

A pressurized water truck shall be maintained on site and shall be used for preventative dust suppression purposes. All paved roadways and areas of vehicle traffic shall be watered and swept, as needed on a preventative basis, such that visible fugitive emissions do not cross the property line in accordance with Title 25 PA Code §123.1 & §123.2. Other methods of dust control shall be used when weather conditions make in-plant road watering hazardous, as necessary, to prevent visible fugitive emissions from crossing the property line in accordance with Title 25 PA Code §123.1 & §123.2.

[From PA-32-00059B, Section D, Source ID 110, Condition #012.]

**# 010 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

All conveying equipment, radial stackers and front-end loaders used to stockpile, transfer and load coal shall maintain a minimal amount of drop height at all times so as to prevent fugitive emissions.

[From PA-32-00059B, Section D, Source ID 110, Condition #014.]

## SECTION D. Source Level Requirements

**# 011 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

All hoppers, transfer points, the crusher, and the screen shall be fully enclosed in a building and equipped with water/surfactant sprays. Water/surfactant sprays shall be operated at all times on the hoppers, the crusher, and the screen when those sources are in operation. Water/surfactant sprays on each transfer point shall be operated as necessary to prevent visible fugitive emissions.

[From PA-32-00059B, Section D, Source ID 110, Condition #015.]

**# 012 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

All conveyors shall be covered.

[From PA-32-00059B, Section D, Source ID 110, Condition #016.]

**# 013 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Owner/Operator shall maintain a truck tire wash for use, as necessary and weather permitting, to prevent fugitive emissions from crossing the property line.

[From PA-32-00059B, Section D, Source ID 110, Condition #018.]

**# 014 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The plant access road and entire truck haul route at the Conemaugh Coal Processing Plant shall be paved and maintained as such, so as to prevent fugitive emissions from crossing the property line. The remaining areas of vehicle traffic shall be periodically delineated with gravel or crushed stone, as necessary to prevent fugitive emissions from crossing the property line.

[From PA-32-00059B, Section D, Source ID 110, Condition #017.]

**# 015 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Owner/Operator shall post the following:

a. A requirement stating, "All loaded trucks entering or exiting the plant property shall be properly tarpaulin covered."

[From PA-32-00059B, Section D, Source ID 110, Condition #019.]

**# 016 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

Road watering and sweeping shall be performed, as needed, and earth or other material transported from the site shall be removed promptly, as needed, on the paved public road (State Routes 2008 & 2011) to prevent visible fugitive emissions in accordance with Title 25 PA Code §123.1(c).

[From PA-32-00059B, Section D, Source ID 110, Condition #011.]

## SECTION D. Source Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

**# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.250]**

**Subpart Y - Standards of Performance for Coal Preparation Plants**

**Applicability and designation of affected facility.**

(a) The provisions of this subpart apply to affected facilities in coal preparation and processing plants that process more than 181 megagrams (Mg) (200 tons) of coal per day.

(b) Not applicable.

(c) The provisions in §§60.251, 60.252(b)(1) and (c), 60.253(b), 60.254(b), 60.255(b) through (h), 60.256(b) and (c), 60.257, and 60.258 of this subpart are applicable to any of the following affected facilities that commenced construction, reconstruction or modification after April 28, 2008, and on or before May 27, 2009: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), and coal storage systems, transfer and loading systems.

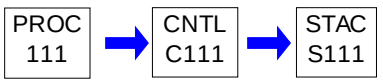
(d) Not applicable.

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

## SECTION D. Source Level Requirements

Source ID: 111 Source Name: SORBENT STORAGE SILOS

Source Capacity/Throughput: 250.000 Lbs/HR




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

Visible emissions from each sorbent storage silo shall not equal or exceed 10% opacity at any time.

[From PA-32-00059E, Section D, Source ID 111, Condition #001.]

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 002 [25 Pa. Code §127.25]**

**Compliance requirement.**

Limestone and sorbent shall be delivered to the facility in enclosed trucks and pneumatically transferred to storage silos equipped with bin vent filters. Unloading shall not take place unless the pneumatic transfer and bin vent filters are working properly.

[From PA-32-00059E, Section D, Source ID 111, Condition #003.]

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Within 30 days of issuance of the operating permit, the permittee shall perform a monthly preventative maintenance (PM) inspection of the control devices and maintain a PM log. The PM log shall, at a minimum, include the following:

**SECTION D. Source Level Requirements**

(i) The date of inspection/maintenance performed;
(ii) Description of any problems or defects;
(iii) Action taken to correct problem or defect; and
(iv) Any routine maintenance performed.

## VII. ADDITIONAL REQUIREMENTS.

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

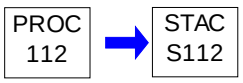
***** Permit Shield in Effect. *****

## SECTION D. Source Level Requirements

Source ID: 112 Source Name: FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY)

Source Capacity/Throughput: 7.000 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: G05




### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

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

**What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) N/A.

## SECTION D. Source Level Requirements

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) - (iv) N/A.

(2) - (3) N/A.

(b) - (c) N/A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

[Fire Pump Diesel Engine B (Source ID 112) is an existing, non-emergency, compression ignition (CI) engine with applicable requirements under 40 CFR Part 63, Subpart ZZZZ.]

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**

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

**When do I have to comply with this subpart?**

(a) Affected sources. (1) If you have “an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013.” (2) - (7) N/A.

(b) - (c) N/A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

**# 003 [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?**

If you 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, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in §63.6620 and Table 4 to this subpart.

[78 FR 6701, Jan. 30, 2013]

Table 2c states: For each “4. Non-Emergency, non-black start CI stationary RICE larger than or equal to100-bhp and smaller than or equal to 500-bhp”, you must meet the following requirement, except during periods of startup Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd or less at 15 percent O2; or Reduce CO emissions by 70 percent or more. During periods of startup you must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[78 FR 6708, Jan. 30, 2013, as amended at 78 FR 14457, Mar. 6, 2013]

The initial compliance test of Fire Pump Diesel Engine B, meeting the requirements of Table 4, took place on August 7, 2013.]

## SECTION D. Source Level Requirements

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

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

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

(a) If you own or operate an existing non-emergency, non-black start CI stationary RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel.

(b) - (d) N/A.

[78 FR 6702, Jan. 30, 2013]

CFR 80.510(b) states:

Beginning June 1, 2010. Except as otherwise specifically provided in this subpart, all NR (nonroad) and LM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(ii) N/A.

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

(i) A minimum cetane index of 40; or

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

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

**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?**

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator 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 the source.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

**# 006 [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?**

(a) - (f) N/A.

(g) If you own or operate an existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, you must comply with either paragraph (g)(1) or paragraph (2) of this

## SECTION D. Source Level Requirements

section. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. Existing CI engines located at area sources in areas of Alaska that meet either §63.6603(b)(1) or §63.6603(b)(2) do not have to meet the requirements of this paragraph (g). Existing CI engines located on offshore vessels that meet §63.6603(c) do not have to meet the requirements of this paragraph (g).

(1) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or

(2) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates and metals.

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) - (j) N/A.

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**

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

**What reports must I submit and when?**

(a) You must submit each report in Table 7 of this subpart that applies to you.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

(1) - (2) N/A.

(3) For semiannual Compliance reports, each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) - (9) N/A.

(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

(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 and beginning and ending dates of the reporting period.

(4) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b),

including actions taken to correct a malfunction.

(5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

(6) N/A.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) N/A.

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(g) - (h) N/A.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

[Table 7 states:

For each; 1. Existing non-emergency, non-black start stationary RICE larger than or equal to100-bhp and smaller than or equal to 500-bhp located at a major source of HAP, you must submit a compliance report. The report must contain:

a. If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. You must submit the report; i. Semiannually according to the requirements in §63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to numerical emission limitations.

b. If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in §63.6650(d). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

c. If you had a malfunction during the reporting period, the information in §63.6650(c)(4). You must submit the report; i. Semiannually according to the requirements in §63.6650(b).

[78 FR 6719, Jan. 30, 2013]

**# 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?**

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

## SECTION D. Source Level Requirements

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) - (f) N/A.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

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

**In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**

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

**What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

[The language of Table 8 is included for Source ID 112 by reference. The explicit language is also contained in this permit in Section D, Source ID 103.]

[75 FR 9678, Mar. 3, 2010]

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

## SECTION E. Source Group Restrictions.

Group Name: G01

Group Description: Main Boilers 1 & 2

Sources included in this group

| ID | Name |
|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) |
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.11]**

**Combustion units**

The particulate matter emission rate from either Main Boiler #1 or Main Boiler #2 shall not exceed 0.1 lb/MMBtu of heat input.

**# 002 [25 Pa. Code §123.22]**

**Combustion units**

(a) Nonair basin areas. Combustion units in nonair basin areas must conform with the following:

(1) - (3) N/A.

(4) Solid fossil fuel fired combustion units. Solid fossil fuel fired combustion units shall conform with the following:

(i) This paragraph applies to solid fossil fuel fired combustion units with a rated capacity greater than or equal to 250 million Btus of heat input per hour.

(ii) N/A.

(iii) No person subject to this paragraph may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from a combustion unit in excess of the rates set forth in the following table:

3.7 lbs of SO2/MMBtu of heat input not to be exceeded on a 30-day rolling average basis, updated daily.

4.0 lbs of SO2/MMBtu of heat input not to be exceeded on a more than 2-calendar days on 30-day rolling average basis, updated daily.

4.8 lbs of SO2/MMBtu of heat input not to be exceeded on any calendar day.

(iv) N/A.

(b) - (h) N/A.

[These emission limits apply to Main Boiler #1 and Main Boiler #2 individually, when combusting coal. The Conemaugh Station is not located in an air basin. Compliance with this condition is ensured by compliance with Condition 004.]

**# 003 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

In accordance with Operating Permit 32-306-010A:

(a) Emissions of particulate matter from either Conemaugh's Unit No. 1 or No. 2 shall not exceed 0.1 pounds per mmBtu, 828 pounds per hour, or 3,627 tons per year. Compliance with the hourly particulate emission rate shall be determined in accordance with 40 CFR Part 60, Appendix A reference methods.

(b) Emissions of SO2 from either Conemaugh's Unit No.1 or No. 2 shall not exceed 0.2 pounds per mmBtu, 1,656 pounds per hour, and 7,253 tons per year. Compliance with the heat input based rate and the annual rate, shall be based on a 12-consecutive month rolling average, updated monthly. Compliance with the hourly emission rate shall be based on a three hour block average. This annual SO2 emission rate shall not affect the number of allowances allocated under Title IV of the Clean Air Act Amendments of 1990.

## SECTION E. Source Group Restrictions.

(c) Emissions of NOx (as NO2) from either Conemaugh's Unit No. 1 or No. 2 shall not exceed 0.45 pounds NOx per mmBtu, 4,753 pounds per hour, and 16,320 tons per year. Compliance with the heat input based rate and the annual rate, shall be based on a 12-consecutive month rolling average, updated monthly. Compliance with the hourly emission rate shall be based on a three hour block average.

(d) Compliance with section (b) of this condition ensures compliance with 25 Pa. Code § 123.22.

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with RACT I Operating Permit No. 32-000-059, emissions of NOx (nitrogen oxides, expressed as NO2) from either of Main Boilers #1 or #2 shall not exceed 0.45 pounds per million BTU, based on a thirty (30) day rolling average.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The emission of ammonia from the SCR system shall not exceed 5 ppmv at stack conditions as determined using USEPA Conditional Test Method (CTM-027), Procedure for Collection and Analysis of Ammonia in Stationary Sources or other procedure approved by the Department.

### II. TESTING REQUIREMENTS.

**# 006 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

As required in the special conditions of operating permit 32-306-010A, and regarding Units 1 and 2:

Compliance with 25 Pa. Code § 123.41 shall be established by a visual observer certified in EPA Method 9 at any time that stack testing for TSP/PM10 is being conducted, and at such other times as the Department may reasonably prescribe.

[The following is also required during stack testing for TSP/PM10:

Opacity observation of the Main Boiler Stack by EPA Method 9 shall be performed during each sampling run unless atmospheric conditions make such readings impossible.]

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

1. The permittee shall conduct source testing for particulate (Filterable only.) from the stacks of Boiler #1 and Boiler #2, no less often quarter-year intervals. However, should either boiler qualify as a Low Emitting EGU (LEE) for filterable particulate under 40 CFR 63.10005(h), subsequent testing for particulate shall take place within every three (3) year period, for as long as the unit continues to qualify as a LEE for filterable particulate under 40 CFR Part 63, Subpart UUUUU. Should the unit cease to qualify as a LEE for filterable particulate under this subpart, the quarter-year year testing cycle shall be reestablished.

2. The permittee shall conduct source testing for PM-10 (Both filterable and condensable.) from the stacks of Boiler #1 and Boiler #2, no less often than once every two (2) years. However, should either boiler qualify as a Low Emitting EGU (LEE) for filterable particulate under 40 CFR 63.10005(h), subsequent testing for particulate, and PM10 shall take place within every three (3) year period, for as long as the unit continues to qualify as a LEE for filterable particulate under 40 CFR Part 63, Subpart UUUUU. Should the unit cease to qualify as a LEE for filterable particulate under this subpart, the quarter-year year testing cycle shall be reestablished.

3. Source testing shall be conducted on the stacks of Boiler #1 and Boiler #2 for H2SO4 no less often than once every five years. Testing for H2SO4 shall be conducted by EPA Method 8 or Department approved equivalent.

4. All testing shall be performed while Source IDs 031 and 032 are operating at no less than 90% of the maximum rated heat input, or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Soot blowing and ash removal in the boiler must be conducted at normal intervals and testing may not be scheduled to avoid such periods as they are considered to be normal operations.

5. All testing shall be conducted in accordance with any applicable federal regulations and the most current version of the

## SECTION E. Source Group Restrictions.

Source Testing Manual of the Department. The following federal reference methods, or other test methods approved by the Department prior to testing, shall be used.

a. 40 CFR 60, Appendix A, Methods 1-4 shall be used to determine the volumetric flow rate.

b. 40 CFR 60, Appendix A, Methods 5 and 202 shall be used to determine filterable particulate matter (FPM), filterable PM10 (Corrections may be necessary to account for interference by liquid water.), and condensable PM emission concentrations (grains/dscf) and emission rates (lbs/hour and lbs/MMBTU).

c. 40 CFR 60, Appendix A, Method 19 shall be used to determine the emission rates in lbs/MMBTU.

6. At least ninty (90) calendar days prior to commencing an emission testing program, a test protocol shall be submitted to the Department for review and approval The test protocol shall meet all applicable requirements specified in the Revision 3.3, or successor volume, of the Source Testing Manual of the Department.

7. At least fifteen (15) calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate 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.

8. The following process parameters shall be recorded at a minimum of 15-minute intervals during each test run (if possible). This data (including the units) and a summary thereof, averaged over each test run, must be included in the test report. Any exceptions to this recordkeeping requirement shall receive prior approval from the Department.

a. Heat input rate of coal [MMBTU/hour]
b. Coal feed rate to the boiler [tons/hour]
c. Steam flow [lbs/hour]
d. Steam temperature [°F]
e. Steam pressure [psig]
f. Soot blowing and/or ash removal (Yes/No)
g. Oxygen level at the economizer [%]
h. Flue gas pressure drop across the absorber [inches H2O]
i. Flue gas pressure drop across the mist eliminator [inches H2O]
j. Current draw of draft fans [amps]
k. Output of powered electrical generator [mw]

9. Opacity observation of the Main Boiler Stack by EPA Method 9 shall be performed during each particulate test sampling run required by this condition. The results of these observations shall be used for verification of compliance by the required periodic EPA Method 9 stack observations.

10. Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing..

11. A complete test report shall be submitted to the Department no later than sixty (60) calendar days after completion of the on-site testing portion of an emission test program.

12. 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 non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

a. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
b. Permit number(s) and condition(s) which are the basis for the evaluation;
c. Summary of results with respect to each applicable permit condition; and
d. Statement of compliance or non-compliance with each applicable requirement.

13. All submittals shall meet all applicable requirements specified in Revision 3.3, or successor volume, of the Source

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Testing Manual of the Department.

14. The Department requires one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Electronic copies shall be emailed to the following:

Central Office
RA-EPstacktesting@pa.gov

Northwest Region
RA-EPNWstacktesting@pa.gov

15. The owner or operator shall ensure all federal reporting requirements contained in the applicable federal requirements 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.

16. Alternative methodology may also be used, subject to Department approval.

## III. MONITORING REQUIREMENTS.

**# 008 [25 Pa. Code §123.25]**

**Monitoring requirements**

(a) (This section is applicable to Main Boilers #1 and #2 at the Conemaugh Station.):

(b) A source subject to this section shall install, operate and maintain continuous SO2 monitoring systems in compliance with Chapter 139 Subchapter C (relating to requirements for continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with Chapter 139 Subchapter C.

(c) Continuous SO2 monitoring systems installed under this section shall meet the minimum data availability requirements in Chapter 139 Subchapter C.

(d) N/A.

(e) The Department may use the data from the SO2 monitoring devices or from the alternative monitoring systems required by this section to enforce the emission limitations for SO2 defined in this article.

(f) N/A/.

(g) The Department may use the data from the SO2 monitoring systems or from the alternative monitoring systems required by this section to determine compliance with the applicable emission limitations for SO2 established in this article.

**# 009 [25 Pa. Code §123.46]**

**Monitoring requirements**

As identified in Permit 32-306-010A and in accordance with 25 PA Code Section 123.46(c), the Department exempts Conemaugh's Main Boilers #1 and # 2 from the requirements of 25 PA Code Section 123.46(b).

**# 010 [25 Pa. Code §123.51]**

**Monitoring requirements**

(a) This section applies to combustion units with a rated heat input of 250 million Btus per hour or greater and with an annual average capacity factor of greater than 30%.

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(b) Sources subject to this section shall install, operate and maintain continuous nitrogen oxides monitoring systems and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for statutory sources).

(c) Sources subject to this section shall submit results on a regular schedule and in a format acceptable to the Department and in compliance with Chapter 139, Subchapter C.

(d) Continuous nitrogen oxides monitoring systems installed under the requirements of this section shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

(e) - (f) N/A.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

An observer certified in EPA Method 9 shall read and record Visible Emissions for at least 1 hour each calendar week from the Main Boiler stack, using EPA Reference Method 9, found at 40 CFR 60, Appendix A, unless atmospheric conditions make such readings impossible.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The Owner/Operator shall continuously monitor and record the following SCR system parameters for both Unit 1 and 2:

(a) Flue gas temperature when injecting ammonia.

(b) Pressure differential.

(c) Ammonia injection rate.

**# 013 [25 Pa. Code §139.101]**

**General requirements.**

In accordance with the Department's "Continuous Source Monitoring Manual" the owner or operator shall observe the following requirements when performing any maintenance/calibration on the CEM system(s):

(A) MAINTENANCE:

1. Zero and upscale calibration error checks should be conducted immediately prior to maintenance, if possible.

2. Zero and upscale calibration error checks must be conducted immediately following any maintenance.

3. If the post maintenance zero or calibration error checks show calibration error in excess of twice the applicable performance specification, recalibration must be conducted in accordance with quarterly linearity check procedures in Paragraph (B)(2). Monitors may be calibrated in-situ.

(B) PERIODIC CALIBRATION:

1. Calibration must be conducted at least daily for determination of measurement device zero and upscale calibration error on all measurement device ranges. The calibration must be performed as per the Department's "Continuous Source Monitoring Manual."

2. The monitoring system must be adjusted whenever the zero or upscale calibration error performance specification are exceeded.

3. The zero calibration error check must be conducted at a measurement level at or between 0% and 30% of measurement device range. The value selected must be lower than the lowest value that would be expected to occur under normal source operating conditions.

4. The calibration error check must be conducted at a measurement level at or between 40% and 100% of measurement

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device range unless an alternative level can be demonstrated to better represent normal source operating levels.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Quality Assurance Section, Subsections I.C.1 and 1.D.1.]

Approval of alternatives to these procedures (e.g., those per 40 CFR Part 75 [Acid Rain Program]) may be requested via submittal to the Chief of the Division of Source Testing and Monitoring, Bureau of Air Quality (BAQ). The Department has the authority to determine which alternatives are applicable.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Applicability Section.]

**# 014 [25 Pa. Code §139.101]**

**General requirements.**

(a) At least once in every four calendar quarters in which the source operates for 168 hours or more, or within 720 source operating hours after the close of such four quarters, the permittee shall conduct a System Performance Audit in accordance with the relative accuracy test audit procedures listed in the Department's Continuous Source Monitoring Manual.

(b) When eight consecutive calendar quarters elapse after the last System Performance Audit, a System Performance Audit must be conducted within 720 source-operating hours.

(c) Notification of System Performance Audit testing must be provided to the Department's Source Testing and Monitoring, Continuous Emission Monitoring Section at least 21 days prior to testing.

(d) Departmental approval must be obtained prior to the testing.

(e) A periodic self-audit conducted for purposes of meeting the requirements of the Department's Continuous Source Monitoring Manual may not be conducted within 6 months of the previous successful periodic self-audit on the same existing, previously approved monitoring system to which no changes have been made.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Quality Assurance Section, Subsection I.E.]

## IV. RECORDKEEPING REQUIREMENTS.

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall keep a monthly log of all aqueous ammonia shipments delivered to this facility.

**# 016 [25 Pa. Code §139.101]**

**General requirements.**

In accordance with the Department's "Continuous Source Monitoring Manual", the permittee shall maintain the Continuous Emission Records as follows:

1) All data shall be reduced to one-hour averages on a clock basis. The reduction methods must be in accordance with the data validation and reduction criteria of the Department's Quality Assurance requirements.

2) A chronological file shall be maintained which includes the following:

a) All measurements from the systems;
b) All valid averages as specified above;
c) The cause, time periods, and magnitudes of all exceedances;
d) Data and results for all performance tests, audits, and recalibrations;
e) Records of any repairs, adjustments, or maintenance;
f) Conversion methods;
g) The cause and time periods for any invalid data;
h) Records of all corrective actions taken in response to exceedances;

## SECTION E. Source Group Restrictions.

Copies of the Phase I application, Phase II testing protocol, Phase III performance specification testing report, and all correspondence related to the CEMs.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Recordkeeping and Reporting Section, Subsections I.A.]

### V. REPORTING REQUIREMENTS.

**# 017 [25 Pa. Code §135.4]**

**Report format**

In accordance with the Department's "Continuous Source Monitoring Manual," the owner or operator shall submit to the Department calendar quarterly reports of Continuous Emission Monitoring Systems (CEMs) data containing the following:

1) Information on the source and emissions in accordance with the appropriate reporting format approved by the Department.

2) The results of all performance tests, audits and recalibrations conducted during the quarter. The report certified by the responsible official shall be submitted to the Division of Source Testing and Monitoring, Continuous Testing Section within thirty (30) days following the end of each quarter in accordance with the Department's Continuous Source Monitoring Manual requirements.

3) Subsequent data report changes must be submitted in in accordance with the Department's Continuous Source Monitoring Manual requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.531 and 127.511.]

[From Department's Continuous Source Monitoring Manual (Revision No. 8), Recordkeeping and Reporting Section, Subsections I.B.]

**# 018 [25 Pa. Code §139.101]**

**General requirements.**

Additional authority for (a) is also derived from 40 CFR §64.9 & §70.6 (a) (3) (iii) (A):

(a) The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

### VI. WORK PRACTICE REQUIREMENTS.

**# 019 [25 Pa. Code §129.97]**

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

The permittee shall install, maintain, and operate Main Boilers 1 and 2 (Source IDs 031 and 032) in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit.

### VII. ADDITIONAL REQUIREMENTS.

**# 020 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

As required in the special conditions of RACT I Operating Permit 32-000-059:

For the purposes of establishing NOx (nitrogen oxides, expressed as NO2) and VOC potential to emit (PTE) only, the following shall apply:

| SOURCE | TONS NOx PER YEAR | TONS VOC PER YEAR |
|---|---|---|
| Main Unit 1 | 15,524.0 | 110.4 |
| Main Unit 2 | 15,524.0 | 141.4 |

**# 021 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with Permit 32-306-010A, the continuous visible emission monitor shall be operated at a point upstream of

## SECTION E. Source Group Restrictions.

the flue gas desulfurization system and downstream of the electrostatic precipitator. Data from this unit shall be used as an indicator of electrostatic precipitator performance and shall not be used for compliance purposes.

**# 022 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) If S02 emissions from the combined S02 Emitting Sources at the Conemaugh Plant exceed 99% of the S02 emission limits set forth in Title V Operating Permit No. 32-00059, the Conemaugh Plant shall, within 48 hours, undertake a full-system audit of the S02 Emitting Sources, and will submit a written report to the Department within 15 days. A malfunction report prepared pursuant to Title V Operating Permit 32-00059, Section C, shall satisfy this requirement. The full system audit shall consist of a review of the parameters routinely monitored by the Continuous Emissions Monitoring Systems and the Digital Data Acquisition Systems installed on the S02 Emitting Sources and their control devices to determine whether or not the units and control devices were operating in accordance with specifications set forth in the approved plan approval application and good air pollution control practices. If the S02 Emitting Sources and their control devices were not operating in accordance
with specifications set forth in the approved plan approval application and good air pollution control practices, then the Conemaugh Plant shall identify corrective actions to be implemented to ensure that the limits in Title V Operating Permit No. 32-00059 are not exceeded. Only one audit in a seven-operating day period is required if combined S02 emissions from the S02 Emitting Sources exceed 99% of the S02 emission limits in Title V Operating Permit No. 32-00059. The audit and associated records shall be maintained on site.

(b) If the Strongstown monitor (AIRS ID 42- 063 -0004) measures a 1-hour concentration exceeding 75 ppb (which constitutes a daily exceedance of the I-hour S02 NAAQS), the Department will notify the Conemaugh Station both verbally and in writing. The Conemaugh Plant shall identify whether any of the S02 Emitting Sources at the Conemaugh Plant were running at the time of the exceedance, and/or within a reasonable time period leading up to the exceedance, not to exceed 24 hours. If any of the S02 Emitting Sources at the Conemaugh Plant were running at the time of the exceedance, and/or within a reasonable time period leading up to the exceedance, not to exceed 24 hours, the Conemaugh Plant must then analyze the meteorological data on the day the daily exceedance occurred to ensure that the daily exceedance was not due to S02 emissions from the Conemaugh Plant. The meteorological data analysis should include trajectories run at three different heights (one at stack height and two more within the boundary layer) by the National Oceanic and Atmospheric Administration's Hysplit program or an equivalent program, and an analysis of Johnstown Airport's meteorological data and modeled upper air data using the National Weather Service's Bufkit or equivalent program. The overall goal of the meteorological data analysis is to investigate if emissions from any of the S02 Emitting Sources at the Conemaugh Plant could have potentially mixed down to the Strongstown S02 monitor. The Conemaugh Plant's finding must be submitted in writing to the Department within 30 days of being notified of the exceedance. In lieu of performing this meteorological analysis for the Conemaugh Plant alone, meteorological analysis for the Conemaugh Plant and one or more of the power plants in the Indiana Nonattainment Area may be submitted, provided that the analysis is designed to investigate if emissions from the Conemaugh Plant could have potentially mixed down to the Strongstown S02 monitor.

[Authorization from Conesent Order October 11, 2017]

**# 023 [25 Pa. Code §127.531]**

**Special conditions related to acid rain.**

(a) This section describes the permit program for acid deposition control in accordance with Titles IV and V of the Clean Air Act (42 U.S.C.A. 7641 and 7642 and 7661--7661f). The provisions of this section shall be interpreted in a manner consistent with the Clean Air Act and the regulations thereunder.

(b) The owner or operator or the designated representative of each affected source under section 405 of the Clean Air Act (42 U.S.C.A. 7651d) shall submit a permit application and compliance plan for the affected source to the Department within 120 days from notice by the Department to submit an application but no later than January 1, 1996, for sulfur dioxide, and no later than January 1, 1998, for NOx, that meets the requirements of this chapter, the Clean Air Act and the regulations thereunder.

(c) In the case of affected sources for which an application and plan are timely received, the permit application and the compliance plan, including amendments thereto, shall be binding on the owner or operator or the designated representative of the owner or operator and shall be enforceable as a permit for purposes of this section until a permit is issued by the Department.

## SECTION E. Source Group Restrictions.

(d) A permit issued under this section shall require the source to achieve compliance as soon as possible but no later than the date required by the Clean Air Act or the regulations thereunder for the source.

(e) At any time after the submission of a permit application and compliance plan, the applicant may submit a revised application and compliance plan. In considering a permit application and compliance plan under this section, the Department will coordinate with the Pennsylvania Public Utility Commission consistent with the requirements established by the EPA.

(f) In addition to the other requirements of this chapter, permits issued under this section shall prohibit the following:

(1) Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide that the owner or operator or designated representative holds for the unit.

(2) Exceeding applicable emission rates or standards, including ambient air quality standards.

(3) The use of an allowance prior to the year for which it is allocated.

(4) Contravention of other provisions of the permit.

(g) Each permit issued to a source under Title IV of the Clean Air Act shall contain a condition prohibiting emissions exceeding any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations thereunder.

(1) A permit revision will not be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, if the increases do not require a permit revision under another applicable requirement.

(2) A limit will not be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with another applicable requirement.

(3) An allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.

**# 024 [40 CFR Part 72 Regulations on Permits §40 CFR 72.1]**

**Subpart A--Acid Rain Program General Provisions**

**Purpose and scope.**

Main Boilers #1 and #2 (Source IDs 031 and 032) are subject to the Title IV Acid Rain Program of the 1990 Clean Air Act Amendments, and shall comply with all applicable provisions of that Title, including the following:

40 CFR Part 72 Permits Regulations
40 CFR Part 73 Sulfur Dioxide Allowance System
40 CFR Part 75 Continuous Emissions Monitoring
40 CFR Part 77 Excess Emissions

The entire Title IV permit application is attached to this Title V permit.

**# 025 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.2]**

**Subpart A--General**

**Applicability.**

Main Boilers #1 and #2 (Source IDs 031 and 032) are Acid Rain Program affected units subject to all applicable requirements of the program including, but not necessarily limited to, the Monitoring, Reporting, and Operation and Maintenance requirements of 40 CFR 75.

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

## SECTION E. Source Group Restrictions.

Group Name: G03

Group Description: Auxiliary Boilers A & B

Sources included in this group

| ID | Name |
|---|---|
| 039 | CMBSTN ENGINEEING AUX BOILER A (211.5 MMBTU/HR, STARTUP BLR) |
| 041 | ALSTOM PWR 32VP2180,AUXILIARY BOILER B (212.5 MMBTU/HR) |

### 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.

**# 001 [25 Pa. Code §127.511]**

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

(a) Emission rates of NOx (as NO2) and CO shall be determined by either EPA Reference Method stack test(s) or through the use of portable analyzers when operation in any calendar year equals or exceeds 750 hours. Testing shall be required to be performed during each of those years in which operation equals or exceeds 750 hours.

(b) When testing is required in accordance with (a), it shall be completed within six months with the results included in the subsequent semiannual monitoring report.

### 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 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.40b]**

**Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units**

**Applicability and delegation of authority.**

(a) The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).

(b) - (m) N/A.

[72 FR 32742, June 13, 2007, as amended at 74 FR 5084, Jan. 28, 2009; 77 FR 9459, Feb. 16, 2012]

[Auxiliary Boilers A and B are subject to the applicable requirements of 40 CFR Subpart Db.]

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.44b]**

**Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units**

**Standard for nitrogen oxides.**

## SECTION E. Source Group Restrictions.

(a) - (i) N/A.

(j) N/A:

(1) Combust, alone or in combination, only natural gas, distillate oil, or residual oil with a nitrogen content of 0.30 weight percent or less;

(2) Have a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less; and

(3) Are subject to a federally enforceable requirement limiting operation of the affected facility to the firing of natural gas, distillate oil, and/or residual oil with a nitrogen content of 0.30 weight percent or less and limiting operation of the affected facility to a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less.

(k) Affected facilities that meet the criteria described in paragraphs (j)(1), (2), and (3) of this section, and that have a heat input capacity of 73 MW (250 MMBtu/hr) or less, are not subject to the NOX emission limits under this section.

(l) N/A.

[72 FR 32742, June 13, 2007, as amended at 74 FR 5086, Jan. 28, 2009; 77 FR 9459, Feb. 16, 2012]

[Each of Auxiliary Boilers A and B meet the criteria described as follows and are therefore not subject to the aforementioned restriction:

(1) combusts alone, or in combination, only natural gas or distillate oil.

(2) restricted to an annual capacity factor of 10%.

(3) is only permitted (federally enforceable) to operate in accordance with (1) and (2) above.]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]**

**Subpart Db - Standards of Performance for Industrial- Commercial-Institutional Steam Generating Units**

**Reporting and recordkeeping requirements.**

(a) - (c) N/A.

(d) Except as provided in paragraph (d)(2) of this section, the owner or operator of an affected facility shall record and maintain records as specified in paragraph (d)(1) of this section.

(1) The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

(2) N/A.

(e)-(n) N/A.

(o) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

(p) The owner or operator of an affected facility described in §60.44b(j) or (k) shall maintain records of the following information for each steam generating unit operating day:

(1) Calendar date;

(2) The number of hours of operation; and

## SECTION E. Source Group Restrictions.

(3) A record of the hourly steam load.

(q) The owner or operator of an affected facility described in §60.44b(j) or §60.44b(k) shall submit to the Administrator a report containing:

(1) The annual capacity factor over the previous 12 months;

(2) The average fuel nitrogen content during the reporting period, if residual oil was fired; and

(3) N/A.

(r) The owner or operator of an affected facility who elects to use the fuel based compliance alternatives in §60.42b or §60.43b shall either:

(1) The owner or operator of an affected facility who elects to demonstrate that the affected facility combusts only very low sulfur oil, natural gas, wood, a mixture of these fuels, or any of these fuels (or a mixture of these fuels) in combination with other fuels that are known to contain an insignificant amount of sulfur in §60.42b(j) or §60.42b(k) shall obtain and maintain at the affected facility fuel receipts (such as a current, valid purchase contract, tariff sheet, or transportation contract) from the fuel supplier that certify that the oil meets the definition of distillate oil and gaseous fuel meets the definition of natural gas as defined in §60.41b and the applicable sulfur limit. For the purposes of this section, the distillate oil need not meet the fuel nitrogen content specification in the definition of distillate oil. Reports shall be submitted to the Administrator certifying that only very low sulfur oil meeting this definition, natural gas, wood, and/or other fuels that are known to contain insignificant amounts of sulfur were combusted in the affected facility during the reporting period; or

(2) N/A.

(s) - (u) N/A.

(v) N/A.

(w) The reporting period for the reports required under this subpart is each 6 month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

(x) - (y) N/A.

[72 FR 32742, June 13, 2007, as amended at 74 FR 5089, Jan. 28, 2009; 77 FR 9461, Feb. 16, 2012]

**# 005 [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?**

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP, except as specified in §63.7491. For purposes of this subpart, a major source of HAP is as defined in §63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in §63.7575.

[78 FR 7162, Jan. 31, 2013]

[Auxiliary Boilers A and B (Source IDs 039 and 041) are subject to the applicable requirements of 40 CFR Part 63, Subpart DDDDD.]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What is the affected source of this subpart?**

(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

## SECTION E. Source Group Restrictions.

(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in §63.7575.

(2) N/A.

(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.

(c) N/A.

(d) A boiler or process heater is existing if it is not new or reconstructed.

(e) N/A.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013]

[Auxiliary Boilers A and B (Source IDs 039 and 041) are considered existing sources for the requirements of 40 CFR Part 63, Subpart DDDDD.]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**When do I have to comply with this subpart?**

(a) N/A.

(b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).

(c) N/A.

(d) You must meet the notification requirements in §63.7545 according to the schedule in §63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.

(e) - (i) N/A.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What are the subcategories of boilers and process heaters?**

The subcategories of boilers and process heaters, as defined in §63.7575 are:

(a) - (n) N/A.

(o) Limited-use boilers and process heaters.

(p) - (u) N/A.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

[Auxiliary Boilers A and B are in the “Limited-use boilers and process heaters” subcategory.]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What emission limits, work practice standards, and operating limits must I meet?**

## SECTION E. Source Group Restrictions.

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source, except as provided under §63.7522. The output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers and process heaters that generate either steam, cogenerate steam with electricity, or both. The output-based emission limits, in units of pounds per megawatt-hour, in Tables 1 or 2 to this subpart are an alternative applicable only to boilers that generate only electricity. Boilers that perform multiple functions (cogeneration and electricity generation) or supply steam to common headers would calculate a total steam energy output using equation 21 of §63.7575 to demonstrate compliance with the output-based emission limits, in units of pounds per million Btu of steam output, in Tables 1 or 2 to this subpart. If you operate a new boiler or process heater, you can choose to comply with alternative limits as discussed in paragraphs (a)(1)(i) through (iii) of this section, but on or after January 31, 2016, you must comply with the emission limits in Table 1 to this subpart.

(i) - (iii) N/A.

(2) N/A.

(3) At all times, you must operate and maintain any affected source (as defined in §63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) - (e) N/A.

(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with items 5 and 6 of Table 3 to this subpart.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

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Table 3 to Subpart DDDDD of Part 63—Work Practice Standards

As stated in §63.7500, you must comply with the following applicable work practice standards:

If your unit is (1) A limited use boiler or process heater you must conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540.

[78 FR 7198, Jan. 31, 2013, as amended at 80 FR 72823, Nov. 20, 2015]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These limits apply to you at all times the affected unit is operating except for the periods noted in §63.7500(f).

(b) - (e) N/A.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7164, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

## SECTION E. Source Group Restrictions.

**# 011 [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?**

(a) - (d) N/A.

(e) For existing affected sources (as defined in §63.7490), you must complete the initial compliance demonstrations, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the compliance date that is specified for your source in §63.7495 and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart, except as specified in paragraph (j) of this section. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than the compliance date specified in §63.7495, except as specified in paragraph (j) of this section. You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in §63.7495.

(f) - (i) N/A.

(j) For existing affected sources (as defined in §63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in §63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in §63.7495.

(k) N/A.

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**When must I conduct subsequent performance tests or fuel analyses, or tune-ups?**

(a) - (c) N/A.

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

(e) - (i) N/A.

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

**# 013 [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?**

(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

## SECTION E. Source Group Restrictions.

(1) – (9) N/A.

(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. You must conduct the tune-up while burning the type of fuel (or fuels in case of units that routinely burn a mixture) that provided the majority of the heat input to the boiler or process heater over the 12 months prior to the tune-up. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. 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;

(ii) 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;

(iii) 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). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

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

(v) 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; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(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; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) N/A.

(12) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

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

## SECTION E. Source Group Restrictions.

(14) - (19) N/A.

(b) – (d) N/A.

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015]

[Table 3 states: If your unit is 1. A limited use boiler:

You must Conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540.]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What notifications must I submit and when?**

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) - (h) N/A.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015]

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What reports must I submit and when?**

(a) You must submit each report in Table 9 to this subpart that applies to you.

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.

(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

**SECTION E. Source Group Restrictions.**

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

(2) – (4) N/A.

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) The total operating time during the reporting period.

(v) – (xiii) N/A.

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) - (xvi) N/A.

(xvii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(xviii) For each instance of startup or shutdown include the information required to be monitored, collected, or recorded according to the requirements of §63.7555(d).

(d) - (g) N/A.

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) - (2) N/A.

(3) You must submit all reports required by Table 9 of this subpart electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (http://www.epa.gov/ttn/chief/cedri/index.html), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

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Table 9 to Subpart DDDDD of Part 63—Reporting Requirements

As stated in §63.7550, you must comply with the following requirements for reports:

You must submit a Compliance report. The report must contain:

a. Information required in §63.7550(c)(1) through (5); and Semiannually, annually, biennially, or every 5 years according to the requirements in §63.7550(b).

## SECTION E. Source Group Restrictions.

b. If there are no deviations from any emission limitation (emission limit and operating limit) that applies to you and there are no deviations from the requirements for work practice standards for periods of startup and shutdown in Table 3 to this subpart that apply to you, a statement that there were no deviations from the emission limitations and work practice standards during the reporting period. If there were no periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which the CMSs were out-of-control during the reporting period; and

c. If you have a deviation from any emission limitation (emission limit and operating limit) where you are not using a CMS to comply with that emission limit or operating limit, or a deviation from a work practice standard for periods of startup and shutdown, during the reporting period, the report must contain the information in §63.7550(d); and

d. If there were periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in §63.8(c)(7), or otherwise not operating, the report must contain the information in §63.7550(e)

You must submit the report semiannually, annually, biennially, or every 5 years according to the requirements in §63.7550(b).

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7205, Jan. 31, 2013; 80 FR 72830, Nov. 20, 2015]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2)-(3) N/A.

(b) - (h) N/A.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

[Compliance with Paragraph (c) is ensured by the Recordkeeping Requirement in Section C, Subsection IV., Recordkeeping of this permit, that all records be kept and available for review by the Department for 5 years.]

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What definitions apply to this subpart?**

Terms used in this subpart are defined in the Clean Air Act, in § 63.2 (the General Provisions), and in this section as follows:

## SECTION E. Source Group Restrictions.

Annual capacity factor means the ratio between the actual heat input to a boiler or process heater from the fuels burned during a calendar year and the potential heat input to the boiler or process heater had it been operated for 8,760 hours during a year at the maximum steady state design heat input capacity.

Annual heat input means the heat input for the 12 months preceding the compliance demonstration.

Average annual heat input rate means total heat input divided by the hours of operation for the 12 months preceding the compliance demonstration.

Heat input means heat derived from combustion of fuel in a boiler or process heater and does not include the heat input from preheated combustion air, recirculated flue gases, returned condensate, or exhaust gases from other sources such as gas turbines, internal combustion engines, kilns, etc.

Industrial boiler means a boiler used in manufacturing, processing, mining, and refining or any other industry to provide steam, hot water, and/or electricity.

Limited-use boiler or process heater means any boiler or process heater that burns any amount of solid, liquid, or gaseous fuels and has a federally enforceable average annual capacity factor of no more than 10 percent.

Load fraction means the actual heat input of a boiler or process heater divided by heat input during the performance test that established the minimum sorbent injection rate or minimum activated carbon injection rate, expressed as a fraction (e.g., for 50 percent load the load fraction is 0.5). For boilers and process heaters that co-fire natural gas or refinery gas with a solid or liquid fuel, the load fraction is determined by the actual heat input of the solid or liquid fuel divided by heat input of the solid or liquid fuel fired during the performance test (e.g., if the performance test was conducted at 100 percent solid fuel firing, for 100 percent load firing 50 percent solid fuel and 50 percent natural gas the load fraction is 0.5).

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

## SECTION E. Source Group Restrictions.

Group Name: G04

Group Description: Peaking Diesel Generator Engines

Sources included in this group

| ID | Name |
|---|---|
| 104 | PEAKING DIESEL A (3,600-BHP) |
| 105 | PEAKING DIESEL B (3,600-BHP) |
| 106 | PEAKING DIESEL C (3,600-BHP) |
| 107 | PEAKING DIESEL D (3,600-BHP) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### Throughput Restriction(s).

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 32-000-059:

Operation of Peaking Diesel Generators A-D (Source IDs 104-107) shall each not exceed a 5% annual heat input capacity factor. These units shall be operated and maintained in accordance with manufacturers' specifications, and good air pollution control and engineering practices.

[Compliance with this condition is demonstrated through Condition 004.]

### 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 an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses that verify compliance with the annual operational limitations.

### 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 E. Source Group Restrictions.

### VI. WORK PRACTICE REQUIREMENTS.

**# 005 [25 Pa. Code §129.97]**

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

The permittee shall install, maintain, and operate Peaking Diesel Generator Engines A-D (Source IDs 104 - 107) in accordance with the manufacturer's specifications and with good operating practices.

### VII. ADDITIONAL REQUIREMENTS.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For the purposes of establishing NOx (nitrogen oxides, expressed as NO2) and VOC potential to emit (PTE) only, the following shall apply:

The sum of emissions from Diesel Generators A-D is 73.3 tpy NOx and 0.68 tpy VOC.

**# 007 [25 Pa. Code §127.511]**

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

The owner or operator shall verify compliance with the particulate mass emission rate of 25 Pa. Code § 123.13, the opacity standards of 25 Pa. Code §1 23.41, and SO2 limitations of 25 Pa. Code § 123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

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

**What parts of my plant does this subpart cover?**

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

(ii) – (iv) N/A.

(2) – (3) N/A.

(b) Stationary RICE subject to limited requirements. (1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

(1) – (2) N/A.

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) – (iii) N/A.

(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(v) N/A.

(c) N/A.

[Peaking Diesel Engines A, B, C, and D (Source IDs 104, 105, 106, and 107) are existing, limited use, stationary RICE, subject to the applicable requirements of 40 CFR Part 60, Subpart ZZZZ.]

## SECTION E. Source Group Restrictions.

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**

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

**What definitions apply to this subpart?**

Terms used in this subpart (40 CFR Part 63, Subpart ZZZZ) are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; (40 CFR Part 63) and in this section as follows:

Limited use stationary RICE means any stationary RICE that operates less than 100 hours per year.

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

## SECTION E. Source Group Restrictions.

Group Name: G05

Group Description: Fire Pump Diesel Engines A & B

Sources included in this group

| ID | Name |
|---|---|
| 103 | FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY) |
| 112 | FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §123.13]**

**Processes**

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from each of these sources in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]**

**General**

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

### Operation Hours Restriction(s).

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

The two fire pump diesel engines shall each be limited to operating less than 500 hours during any consecutive 12-month period.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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.**

In accordance with the special conditions of operating permit 32-000-059:

The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses for this/these source(s).

### 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 E. Source Group Restrictions.

### VI. WORK PRACTICE REQUIREMENTS.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with the special conditions of operating permit 32-000-059:

These units shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control and engineering practices.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

You must install a non-resettable hour meter on each engine (Source IDs 103 and 112), if one is not already installed.

**# 007 [25 Pa. Code §129.97]**

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

The permittee shall install, maintain, and operate Fire Pump Diesel Engines A & B (Source IDs 103 and 112) in accordance with the manufacturer's specifications and with good operating practices. [Authority for this requirement is based on 25 Pa. Code §129.97(c)(5)]

### VII. ADDITIONAL REQUIREMENTS.

**# 008 [25 Pa. Code §127.511]**

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

The owner or operator shall verify compliance with the particulate mass emission rate of 25 Pa. Code § 123.13, the opacity standards of 25 Pa. Code § 123.41, and SO2 limitations of 25 Pa. Code § 123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

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

## SECTION E. Source Group Restrictions.

Group Name: G06

Group Description: [Reserved]

Sources included in this group

| ID | Name |
|---|---|

No Sources exist for this Group.

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

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

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

## SECTION E. Source Group Restrictions.

Group Name: G07

Group Description: Part 63 Subpart UUUUU

Sources included in this group

| ID | Name |
|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) |
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR subpart 63.9991]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What emission limitations, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) and (2) of this section. You must meet these requirements at all times.

(1) You must meet each emission limit and work practice standard in Table 1 through 3 to this subpart that applies to your EGU, for each EGU at your source, except as provided under §63.10009.

(2) Not applicable.

(b) As provided in §63.6(g), the Administrator may approve use of an alternative to the work practice standards in this section.

(c) You may use the alternate SO2 limit in Tables 1 and 2 to this subpart only if your EGU:

(1) Has a system using wet or dry flue gas desulfurization technology and an SO2 continuous emissions monitoring system (CEMS) installed on the EGU; and

(2) At all times, you operate the wet or dry flue gas desulfurization technology and the SO2 CEMS installed on the EGU consistent with §63.10000(b).

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23402, Apr. 19, 2012; 81 FR 20180, Apr. 6, 2016]

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §Table 2 to Subpart UUUUU of Part 63]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Emission Limits for Existing EGUs**

As stated in §63.9991, you must comply with the following applicable emission limits:[1]

(1) For Coal-fired units not low rank virign coal, you must meet the following emission limits and work practice standards:

(a) Filterable particulate matter (PM)- the emission limit of 3.0E-2 lb/MMBtu or 3.0E-1 lb/MWh[2] and collect a minimum of 1 dscm per run in accordance with the test methods in Table 5 of this Subpart.

OR

Total non-Hg HAP metals- the emission limit of 5.0E-5 lb/MMBtu or 5.0E-1 lb/GWh and collect a minimum of 1 dscm per run in accordance with the test methods in Table 5 of this Subpart.

OR

Individual HAP metals collecting a minimum of 3 dscm per run in accordance with the test methods in Table 5 of this Subpart:

Antimony (Sb)- emission limit of 8.0E-1 lb/TBtu or 8.0E-3 lb/GWh

## SECTION E. Source Group Restrictions.

Arsenic (As)- emission limit of 1.1E0 lb/TBty or 2.0E-2 lb/GWh
Beryllium (Be)- emission limit of 2.0E-1 lb/TBtu or 2.0E-3 lb/GWh
Cadmium (Cd)- emission limit of 3.0E-1 lb/TBtu or 3.0E-3 lb/GWh
Chromium (Cr)- emission limit of 2.8E0 lb/TBtu or 3.0E-2 lb/GWh
Cobalt (Co)- emission limit of 8.0E-1 lb/TBtu or 8.0E-3 lb/GWh
Lead (Pb)- emission limit of 1.2E0 lb/TBtu or 2.0E-2 lb/GWh
Manganese (Mn)- emission limit of 4.0E0 lb/TBtu or 5.0E-2 lb/GWh
Nickel (Ni)- emission limit of 3.5E0 lb/TBtu or 4.0E-2 lb/GWh
Selenium (Se)-emission limit of 5.0E0 lb/TBtu or 6.0E-2 lb/GWh

(b) Hydrogen chloride (HCl)- emission limit of 2.0E-3 lb/MMBtu or 2.0E-2 lb/MWh for Method 26A at appendix A-8 to part 60 of this chapter, collect a minimum of 0.75 dscm per run; for Method 26, collect a minimum of 120 liters per run. For ASTM D6348-03[3] or Method 320 at appendix A to part 63 of this chapter, sample for a minimum of 1 hour.

OR

Sulfur dioxide (SO2)[4]- emission limit of 2.0E-1 lb/MMBtu or 1.5E0 lb/MWh SO2 CEMS.

(c) Mercury (Hg)- emission limit of 1.2E0 lb/TBtu or 1.3E-2 lb/GWh, LEE Testing for 30 days with a sampling period consistent with that given in section 5.2.1 of appendix A to this subpart per Method 30B at appendix A-8 to part 60 of this chapter run or Hg CEMS or sorbent trap monitoring system only.

OR

Mercury (Hg)- emission limit of 1.0E0 lb/TBtu or 1.1E-2 lb/GWh, LEE Testing for 90 days with a sampling period consistent with that given in section 5.2.1 of appendix A to this subpart per Method 30B run or Hg CEMS or sorbent trap monitoring system only.

[1]For LEE emissions testing for total PM, total HAP metals, individual HAP metals, HCl, and HF, the required minimum sampling volume must be increased nominally by a factor of two.
[2]Gross output.
[3]Incorporated by reference, see §63.14.
[4]You may not use the alternate SO2 limit if your EGU does not have some form of FGD system and SO2 CEMS installed.

[85 FR 20850, Apr. 15, 2020]

### II. TESTING REQUIREMENTS.

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7]**
**Subpart A--General Provisions**
**Performance testing requirements.**

(a) Applicability and performance test dates. (1) The applicability of this section is set out in §63.1(a)(4).

(2) Except as provided in paragraph (a)(4) of this section, if required to do performance testing by a relevant standard, and unless a waiver of performance testing is obtained under this section or the conditions of paragraph (c)(3)(ii)(B) of this section apply, the owner or operator of the affected source must perform such tests within 180 days of the compliance date for such source.

(i)-(viii) [Reserved]

(ix) Except as provided in paragraph (a)(4) of this section, when an emission standard promulgated under this part is more
stringent than the standard proposed (see §63.6(b)(3)), the owner or operator of a new or reconstructed source subject to that standard for which construction or reconstruction is commenced between the proposal and promulgation dates of the standard shall comply with performance testing requirements within 180 days after the standard's effective date, or within 180 days after startup of the source, whichever is later. If the promulgated standard is more stringent than the proposed standard, the owner or operator may choose to demonstrate compliance with either the proposed or the promulgated

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standard. If the owner or operator chooses to comply with the proposed standard initially, the owner or operator shall conduct a second performance test within 3 years and 180 days after the effective date of the standard, or after startup of the source, whichever is later, to demonstrate compliance with the promulgated standard.

(3) The Administrator may require an owner or operator to conduct performance tests at the affected source at any other time when the action is authorized by section 114 of the Act.

(4) If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure:

(i) The owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline specified in paragraph (a)(2) or (a)(3) of this section, or elsewhere in this part, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable.

(ii) The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale
for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs.

(iii) The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable.

(iv) Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(4)(i),
(a)(4)(ii), and (a)(4)(iii) of this section, the owner or operator of the affected facility remains strictly subject to the requirements of this part.

(b) Notification of performance test. (1) The owner or operator of an affected source must notify the Administrator in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is initially scheduled to begin to allow the Administrator, upon request, to review an approve the site-specific test plan required under paragraph (c) of this section and to have an observer present during the test.

(2) In the event the owner or operator is unable to conduct the performance test on the date specified in the notification requirement specified in paragraph (b)(1) of this section due to unforeseeable circumstances beyond his or her control, the owner or operator must notify the Administrator as soon as practicable and without delay prior to the scheduled performance test date and specify the date when the performance test is rescheduled. This notification of delay in conducting the performance test shall not relieve the owner or operator of legal responsibility for compliance with any other applicable provisions of this part or with any other applicable Federal, State, or local requirement, nor will it prevent the Administrator from implementing or enforcing this part or taking any other action under the Act.

(c) Quality assurance program. (1) The results of the quality assurance program required in this paragraph will be considered by the Administrator when he/she determines the validity of a performance test.

(2)(i) Submission of site-specific test plan. Before conducting a required performance test, the owner or operator of an affected source shall develop and, if requested by the Administrator, shall submit a site-specific test plan to the Administrator for approval. The test plan shall include a test program summary, the test schedule, data quality objectives, and both an internal and external quality assurance (QA) program. Data quality objectives are the pretest expectations of precision, accuracy, and completeness of data.

(ii) The internal QA program shall include, at a minimum, the activities planned by routine operators and analysts to provide
an assessment of test data precision; an example of internal QA is the sampling and analysis of replicate samples.

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(iii) The performance testing shall include a test method performance audit (PA) during the performance test. The PAs consist of blind audit samples supplied by an accredited audit sample provider and analyzed during the performance test in order to provide a measure of test data bias. Gaseous audit samples are designed to audit the performance of the sampling system as well as the analytical system and must be collected by the sampling system during the compliance test just as the compliance samples are collected. If a liquid or solid audit sample is designed to audit the sampling system, it must also be collected by the sampling system during the compliance test. If multiple sampling systems or sampling trains are used during the compliance test for any of the test methods, the tester is only required to use one of the sampling systems per method to collect the audit sample. The audit sample must be analyzed by the same analyst using the same analytical reagents and analytical system and at the same time as the compliance samples. Retests are required when there is a failure to produce acceptable results for an audit sample. However, if the audit results do not affect the compliance or noncompliance status of the affected facility, the compliance authority may waive the reanalysis requirement, further audits, or retests and accept the results of the compliance test. Acceptance of the test results shall constitute a waiver of the reanalysis requirement, further audits, or retests. The compliance authority may also use the audit sample failure and the compliance test results as evidence to determine the compliance or noncompliance status of the affected facility. A blind audit sample is a sample whose value is known only to the sample provider and is not revealed to the tested facility until after they report the measured value of the audit sample. For pollutants that exist in the gas phase at ambient temperature, the audit sample shall consist of an appropriate concentration of the pollutant in air or nitrogen that can be introduced into the sampling system of the test method at or near the same entry point as a sample from the emission source. If no gas phase audit samples are available, an acceptable alternative is a sample of the pollutant in the same matrix that would be produced when the sample is recovered from the sampling system as required by the test method. For samples that exist only in a liquid or solid form at ambient temperature, the audit sample shall consist of an appropriate concentration of the pollutant in the same matrix that would be produced when the sample is recovered from the sampling system as required by the test method. An accredited audit sample provider (AASP) is an organization that has been accredited to prepare audit samples by an independent, third party accrediting body.

(A) The source owner, operator, or representative of the tested facility shall obtain an audit sample, if commercially available, from an AASP for each test method used for regulatory compliance purposes. No audit samples are required for the following test methods: Methods 3A and 3C of appendix A-3 of part 60 of this chapter; Methods 6C, 7E, 9, and 10 of appendix A-4 of part 60; Methods 18 and 19 of appendix A-6 of part 60; Methods 20, 22, and 25A of appendix A-7 of part 60; Methods 30A and 30B of appendix A-8 of part 60; and Methods 303, 318, 320, and 321 of appendix A of this part. If multiple sources at a single facility are tested during a compliance test event, only one audit sample is required for each method used during a compliance test. The compliance authority responsible for the compliance test may waive the requirement to include an audit sample if they believe that an audit sample is not necessary. “Commercially available” means that two or more independent AASPs have blind audit samples available for purchase. If the source owner, operator, or representative cannot find an audit sample for a specific method, the owner, operator, or representative shall consult the EPA Web site at the following URL, www.epa.gov/ttn/emc, to confirm whether there is a source that can supply an audit sample for that method. If the EPA Web site does not list an available audit sample at least 60 days prior to the beginning of the compliance test, the source owner, operator, or representative shall not be required to include an audit sample as part of the quality assurance program for the compliance test. When ordering an audit sample, the source owner, operator, or representative shall give the sample provider an estimate for the concentration of each pollutant that is emitted by the source or the estimated concentration of each pollutant based on the permitted level and the name, address, and phone number of the compliance authority. The source owner, operator, or representative shall report the results for the audit sample along with a summary of the emission test results for the audited pollutant to the compliance authority and shall report the results of the audit sample to the AASP. The source owner, operator, or representative shall make both reports at the same time and in the same manner or shall report to the compliance authority first and then report to the AASP. If the method being audited is a method that allows the samples to be analyzed in the field and the tester plans to analyze the samples in the field, the tester may analyze the audit samples prior to collecting the emission samples provided a representative of the compliance authority is present at the testing site. The tester may request, and the compliance authority may grant, a waiver to the requirement that a representative of the compliance authority must be present at the testing site during the field analysis of an audit sample. The source owner, operator, or representative may report the results of the audit sample to the compliance authority and then report the results of the audit sample to the AASP prior to collecting any emission samples. The test protocol and final test report shall document whether an audit sample was ordered and utilized and the pass/fail results as applicable.

(B)-(D) Not applicable.

(iv) The owner or operator of an affected source shall submit the site-specific test plan to the Administrator upon the

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Administrator's request at least 60 calendar days before the performance test is scheduled to take place, that is, simultaneously with the notification of intention to conduct a performance test required under paragraph (b) of this section, or on a mutually agreed upon date.

(v) The Administrator may request additional relevant information after the submittal of a site-specific test plan.

(3) Approval of site-specific test plan. (i) The Administrator will notify the owner or operator of approval or intention to deny approval of the site-specific test plan (if review of the site-specific test plan is requested) within 30 calendar days after receipt of the original plan and within 30 calendar days after receipt of any supplementary information that is submitted under paragraph (c)(3)(i)(B) of this section. Before disapproving any site-specific test plan, the Administrator will notify the applicant of the Administrator's intention to disapprove the plan together with—

(A) Notice of the information and findings on which the intended disapproval is based; and

(B) Notice of opportunity for the owner or operator to present, within 30 calendar days after he/she is notified of the intended disapproval, additional information to the Administrator before final action on the plan.

(ii) In the event that the Administrator fails to approve or disapprove the site-specific test plan within the time period specified in paragraph (c)(3)(i) of this section, the following conditions shall apply:

(A) If the owner or operator intends to demonstrate compliance using the test method(s) specified in the relevant standard
or with only minor changes to those tests methods (see paragraph (e)(2)(i) of this section), the owner or operator must conduct the performance test within the time specified in this section using the specified method(s);

(B) If the owner or operator intends to demonstrate compliance by using an alternative to any test method specified in the
relevant standard, the owner or operator is authorized to conduct the performance test using an alternative test method after the Administrator approves the use of the alternative method when the Administrator approves the site-specific test plan (if review of the site-specific test plan is requested) or after the alternative method is approved (see paragraph (f) of this section). However, the owner or operator is authorized to conduct the performance test using an alternative method in the absence of notification of approval 45 days after submission of the site-specific test plan or request to use an alternative method. The owner or operator is authorized to conduct the performance test within 60 calendar days after he/she is authorized to demonstrate compliance using an alternative test method. Notwithstanding the requirements in the preceding three sentences, the owner or operator may proceed to conduct the performance test as required in this section (without the Administrator's prior approval of the site-specific test plan) if he/she subsequently chooses to use the specified testing and monitoring methods instead of an alternative.

(iii) Neither the submission of a site-specific test plan for approval, nor the Administrator's approval or disapproval of a plan,
nor the Administrator's failure to approve or disapprove a plan in a timely manner shall—

(A) Relieve an owner or operator of legal responsibility for compliance with any applicable provisions of this part or with any other applicable Federal, State, or local requirement; or

(B) Prevent the Administrator from implementing or enforcing this part or taking any other action under the Act.

(d) Performance testing facilities. If required to do performance testing, the owner or operator of each new source and, at the request of the Administrator, the owner or operator of each existing source, shall provide performance testing facilities as follows:

(1) Sampling ports adequate for test methods applicable to such source. This includes:

(i) Constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures; and

(ii) Providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods

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and procedures;

(2) Safe sampling platform(s);

(3) Safe access to sampling platform(s);

(4) Utilities for sampling and testing equipment; and

(5) Any other facilities that the Administrator deems necessary for safe and adequate testing of a source.

(e) Conduct of performance tests. (1) Performance tests shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance (i.e., performance based on normal operating conditions) of the affected source. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test, nor shall emissions in excess of the level of the relevant standard during periods of startup, shutdown, and malfunction be considered a violation of the relevant standard unless otherwise specified in the relevant standard or a determination of noncompliance is made under §63.6(e). Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(2) Performance tests shall be conducted and data shall be reduced in accordance with the test methods and procedures set forth in this section, in each relevant standard, and, if required, in applicable appendices of parts 51, 60, 61, and 63 of this chapter unless the Administrator—

(i) Specifies or approves, in specific cases, the use of a test method with minor changes in methodology (see definition in
§63.90(a)). Such changes may be approved in conjunction with approval of the site-specific test plan (see paragraph (c) of this section); or

(ii) Approves the use of an intermediate or major change or alternative to a test method (see definitions in §63.90(a)), the results of which the Administrator has determined to be adequate for indicating whether a specific affected source is in compliance; or

(iii) Approves shorter sampling times or smaller sample volumes when necessitated by process variables or other factors;
or

(iv) Waives the requirement for performance tests because the owner or operator of an affected source has demonstrated
by other means to the Administrator's satisfaction that the affected source is in compliance with the relevant standard.

(3) Unless otherwise specified in a relevant standard or test method, each performance test shall consist of three separate
runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the relevant standard. For the purpose of determining compliance with a relevant standard, the arithmetic mean of the results of the three runs shall apply. Upon receiving approval from the Administrator, results of a test run may be replaced with results of an additional test run in the event that—

(i) A sample is accidentally lost after the testing team leaves the site; or

(ii) Conditions occur in which one of the three runs must be discontinued because of forced shutdown; or

(iii) Extreme meteorological conditions occur; or

(iv) Other circumstances occur that are beyond the owner or operator's control.

(4) Nothing in paragraphs (e)(1) through (e)(3) of this section shall be construed to abrogate the Administrator's authority to

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require testing under section 114 of the Act.

(f) Use of an alternative test method—(1)General. Until authorized to use an intermediate or major change or alternative to a test method, the owner or operator of an affected source remains subject to the requirements of this section and the relevant standard.

(2) The owner or operator of an affected source required to do performance testing by a relevant standard may use an alternative test method from that specified in the standard provided that the owner or operator—

(i) Notifies the Administrator of his or her intention to use an alternative test method at least 60 days before the performance test is scheduled to begin;

(ii) Uses Method 301 in appendix A of this part to validate the alternative test method. This may include the use of specific procedures of Method 301 if use of such procedures are sufficient to validate the alternative test method; and

(iii) Submits the results of the Method 301 validation process along with the notification of intention and the justification for
not using the specified test method. The owner or operator may submit the information required in this paragraph well in advance of the deadline specified in paragraph (f)(2)(i) of this section to ensure a timely review by the Administrator in order to meet the performance test date specified in this section or the relevant standard.

(3) The Administrator will determine whether the owner or operator's validation of the proposed alternative test method is adequate and issue an approval or disapproval of the alternative test method. If the owner or operator intends to demonstrate compliance by using an alternative to any test method specified in the relevant standard, the owner or operator is authorized to conduct the performance test using an alternative test method after the Administrator approves the use of the alternative method. However, the owner or operator is authorized to conduct the performance test using an alternative method in the absence of notification of approval/disapproval 45 days after submission of the request to use an alternative method and the request satisfies the requirements in paragraph (f)(2) of this section. The owner or operator is authorized to conduct the performance test within 60 calendar days after he/she is authorized to demonstrate compliance using an alternative test method. Notwithstanding the requirements in the preceding three sentences, the owner or operator may proceed to conduct the performance test as required in this section (without the Administrator's prior approval of the sitespecific test plan) if he/she subsequently chooses to use the specified testing and monitoring methods instead of an alternative.

(4) If the Administrator finds reasonable grounds to dispute the results obtained by an alternative test method for the purposes of demonstrating compliance with a relevant standard, the Administrator may require the use of a test method specified in a relevant standard.

(5) If the owner or operator uses an alternative test method for an affected source during a required performance test, the owner or operator of such source shall continue to use the alternative test method for subsequent performance tests at that affected source until he or she receives approval from the Administrator to use another test method as allowed under §63.7(f).

(6) Neither the validation and approval process nor the failure to validate an alternative test method shall abrogate the owner or operator's responsibility to comply with the requirements of this part.

(g) Data analysis, recordkeeping, and reporting. (1) Unless otherwise specified in a relevant standard or test method, or as otherwise approved by the Administrator in writing, results of a performance test shall include the analysis of samples, determination of emissions, and raw data. A performance test is “completed” when field sample collection is terminated. The owner or operator of an affected source shall report the results of the performance test to the Administrator before the close of business on the 60th day following the completion of the performance test, unless specified otherwise in a relevant standard or as approved otherwise in writing by the Administrator (see §63.9(i)). The results of the performance test shall be submitted as part of the notification of compliance status required under §63.9(h). Before a title V permit has been issued to the owner or operator of an affected source, the owner or operator shall send the results of the performance test to the Administrator. After a title V permit has been issued to the owner or operator of an affected source, the owner or operator shall send the results of the performance test to the appropriate permitting authority.

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(2) Contents of a performance test, CMS performance evaluation, or CMS quality assurance test report (electronic or paper submitted copy). Unless otherwise specified in a relevant standard, test method, CMS performance specification, or quality assurance requirement for a CMS, or as otherwise approved by the Administrator in writing, the report shall include the elements identified in paragraphs (g)(2)(i) through (vi) of this section.

(i) General identification information for the facility including a mailing address, the physical address, the owner or operator
or responsible official (where applicable) and his/her email address, and the appropriate Federal Registry System (FRS) number for the facility.

(ii) Purpose of the test including the applicable regulation requiring the test, the pollutant(s) and other parameters being measured, the applicable emission standard, and any process parameter component, and a brief process description.

(iii) Description of the emission unit tested including fuel burned, control devices, and vent characteristics; the appropriate
source classification code (SCC); the permitted maximum process rate (where applicable); and the sampling location.

(iv) Description of sampling and analysis procedures used and any modifications to standard procedures, quality assurance procedures and results, record of process operating conditions that demonstrate the applicable test conditions are met, and values for any operating parameters for which limits were being set during the test.

(v) Where a test method, CEMS, PEMS, or COMS performance specification, or on-going quality assurance requirement for a CEMS, PEMS, or COMS requires you record or report, the following shall be included in your report: Record of preparation of standards, record of calibrations, raw data sheets for field sampling, raw data sheets for field and laboratory analyses, chain-of-custody documentation, and example calculations for reported results.

(vi) Identification of the company conducting the performance test including the primary office address, telephone number,
and the contact for this test including his/her email address.

(3) For a minimum of 5 years after a performance test is conducted, the owner or operator shall retain and make available, upon request, for inspection by the Administrator the records or results of such performance test and other data needed to determine emissions from an affected source.

(h) Waiver of performance tests. (1) Until a waiver of a performance testing requirement has been granted by the Administrator under this paragraph, the owner or operator of an affected source remains subject to the requirements of this section.

(2) Individual performance tests may be waived upon written application to the Administrator if, in the Administrator's judgment, the source is meeting the relevant standard(s) on a continuous basis, or the source is being operated under an extension of compliance, or the owner or operator has requested an extension of compliance and the Administrator is still considering that request.

(3) Request to waive a performance test. (i) If a request is made for an extension of compliance under §63.6(i), the application for a waiver of an initial performance test shall accompany the information required for the request for an extension of compliance. If no extension of compliance is requested or if the owner or operator has requested an extension of compliance and the Administrator is still considering that request, the application for a waiver of an initial performance test shall be submitted at least 60 days before the performance test if the site-specific test plan under paragraph (c) of this section is not submitted.

(ii) If an application for a waiver of a subsequent performance test is made, the application may accompany any required compliance progress report, compliance status report, or excess emissions and continuous monitoring system performance report [such as those required under §63.6(i), §63.9(h), and §63.10(e) or specified in a relevant standard or in the source's title V permit], but it shall be submitted at least 60 days before the performance test if the site-specific test plan required under paragraph (c) of this section is not submitted.

(iii) Any application for a waiver of a performance test shall include information justifying the owner or operator's request

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for
a waiver, such as the technical or economic infeasibility, or the impracticality, of the affected source performing the required test.

(4) Approval of request to waive performance test. The Administrator will approve or deny a request for a waiver of a performance test made under paragraph (h)(3) of this section when he/she—

(i) Approves or denies an extension of compliance under §63.6(i)(8); or

(ii) Approves or disapproves a site-specific test plan under §63.7(c)(3); or

(iii) Makes a determination of compliance following the submission of a required compliance status report or excess emissions and continuous monitoring systems performance report; or

(iv) Makes a determination of suitable progress towards compliance following the submission of a compliance progress report, whichever is applicable.

(5) Approval of any waiver granted under this section shall not abrogate the Administrator's authority under the Act or in any way prohibit the Administrator from later canceling the waiver. The cancellation will be made only after notice is given to the owner or operator of the affected source.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10006]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**When must I conduct subsequent performance tests or tune-ups?**

(a) Not applicable.

(b) For affected units meeting the LEE requirements of §63.10005(h), you must repeat the performance test once every 3 years (once every year for Hg) according to Table 5 and §63.10007. Should subsequent emissions testing results show the unit does not meet the LEE eligibility requirements, LEE status is lost. If this should occur:

(1) For all pollutant emission limits except for Hg, you must conduct emissions testing quarterly, except as otherwise provided in §63.10021(d)(1).

(2) For Hg, you must install, certify, maintain, and operate a Hg CEMS or a sorbent trap monitoring system in accordance with appendix A to this subpart, within 6 calendar months of losing LEE eligibility. Until the Hg CEMS or sorbent trap monitoring system is installed, certified, and operating, you must conduct Hg emissions testing quarterly, except as otherwise provided in §63.10021(d)(1). You must have 3 calendar years of testing and CEMS or sorbent trap monitoring system data that satisfy the LEE emissions criteria to reestablish LEE status.

(c) Not applicable.

(d) Except where paragraph (b) of this section applies, for solid oil-derived fuel- and coal-fired EGUs that do not use either an HCl CEMS to monitor compliance with the HCl limit or an SO2 CEMS to monitor compliance with the alternate equivalent SO2 emission limit, you must conduct all applicable periodic HCl emissions tests according to Table 5 to this subpart and §63.10007 at least quarterly, except as otherwise provided in §63.10021(d)(1).

(e) Not applicable.

(f) Time between performance tests. (1) Notwithstanding the provisions of §63.10021(d)(1), the requirements listed in paragraphs (g) and (h) of this section, and the requirements of paragraph (f)(3) of this section, you must complete performance tests for your EGU as follows:

(i) At least 45 calendar days, measured from the test's end date, must separate performance tests conducted every quarter;

(ii) For annual testing:

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(A) At least 320 calendar days, measured from the test's end date, must separate performance tests;

(B) At least 320 calendar days, measured from the test's end date, must separate annual sorbent trap mercury testing for 30-boiler operating day LEE tests;

(C) At least 230 calendar days, measured from the test's end date, must separate annual sorbent trap mercury testing for 90-boiler operating day LEE tests; and

(iii) At least 1,050 calendar days, measured from the test's end date, must separate performance tests conducted every 3 years.

(2) For units demonstrating compliance through quarterly emission testing, you must conduct a performance test in the 4th quarter of a calendar year if your EGU has skipped performance tests in the first 3 quarters of the calendar year.

(3) If your EGU misses a performance test deadline due to being inoperative and if 168 or more boiler operating hours occur in the next test period, you must complete an additional performance test in that period as follows:

(i) At least 15 calendar days must separate two performance tests conducted in the same quarter.

(ii) At least 107 calendar days must separate two performance tests conducted in the same calendar year.

(iii) At least 350 calendar days must separate two performance tests conducted in the same 3 year period.

(g) If you elect to demonstrate compliance using emissions averaging under §63.10009, you must continue to conduct performance stack tests at the appropriate frequency given in section (c) through (f) of this section.

(h) If a performance test on a non-mercury LEE shows emissions in excess of 50 percent of the emission limit and if you choose to reapply for LEE status, you must conduct performance tests at the appropriate frequency given in section (c) through (e) of this section for that pollutant until all performance tests over a consecutive 3-year period show compliance with the LEE criteria.

(i) If you are required to meet an applicable tune-up work practice standard, you must conduct a performance tune-up according to §63.10021(e).

(1) For EGUs not employing neural network combustion optimization during normal operation, each performance tune-up specified in §63.10021(e) must be no more than 36 calendar months after the previous performance tune-up.

(2) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23403, Apr. 19, 2012; 78 FR 24085, Apr. 24, 2013; 81 FR 20182, Apr. 6, 2016]

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10007]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What methods and other procedures must I use for the performance tests?**

(a) Except as otherwise provided in this section, you must conduct all required performance tests according to §63.7(d), (e), (f), and (h). You must also develop a site-specific test plan according to the requirements in §63.7(c).

(1) If you use CEMS (Hg, HCl, SO2, or other) to determine compliance with a 30- (or, if applicable, 90-) boiler operating day rolling average emission limit, you must collect quality- assured CEMS data for all unit operating conditions, including startup and shutdown (see §63.10011(g) and Table 3 to this subpart), except as otherwise provided in §63.10020(b). Emission rates determined during startup periods and shutdown periods (as defined in §63.10042) are not to be included in the compliance determinations, except as otherwise provided in §§63.10000(c)(1)(vi)(B) and 63.10005(a)(2)(iii).

(2) If you conduct performance testing with test methods in lieu of continuous monitoring, operate the unit at maximum normal operating load conditions during each periodic (e.g., quarterly) performance test. Maximum normal operating load

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will be generally between 90 and 110 percent of design capacity but should be representative of site specific normal operations during each test run.

(3) Not applicable.

(b) You must conduct each performance test (including traditional 3-run stack tests, 30-boiler operating day tests based on CEMS data (or sorbent trap monitoring system data), and 30-boiler operating day Hg emission tests for LEE qualification) according to the requirements in Table 5 to this subpart.

(c) Not applicable.

(d) Except for a 30-boiler operating day performance test based on CEMS (or sorbent trap monitoring system) data, where the concept of test runs does not apply, you must conduct a minimum of three separate test runs for each performance test, as specified in §63.7(e)(3). Each test run must comply with the minimum applicable sampling time or volume specified in Table 1 or 2 to this subpart. Sections 63.10005(d) and (h), respectively, provide special instructions for conducting performance tests based on CEMS or sorbent trap monitoring systems, and for conducting emission tests for LEE qualification.

(e) To use the results of performance testing to determine compliance with the applicable emission limits in Table 1 or 2 to this subpart, proceed as follows:

(1) Except for a 30-boiler operating day performance test based on CEMS (or sorbent trap monitoring system) data, if measurement results for any pollutant are reported as below the method detection level (e.g., laboratory analytical results for one or more sample components are below the method defined analytical detection level), you must use the method detection level as the measured emissions level for that pollutant in calculating compliance. The measured result for a multiple component analysis (e.g., analytical values for multiple Method 29 fractions both for individual HAP metals and for total HAP metals) may include a combination of method detection level data and analytical data reported above the method detection level.

(2) If the limits are expressed in lb/MMBtu or lb/TBtu, you must use the F-factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 in appendix A-7 to part 60 of this chapter. In cases where an appropriate F-factor is not listed in Table 19-2 of Method 19, you may use F-factors from Table 1 in section 3.3.5 of appendix F to part 75 of this chapter, or F-factors derived using the procedures in section 3.3.6 of appendix to part 75 of this chapter. Use the following factors to convert the pollutant concentrations measured during the initial performance tests to units of lb/scf, for use in the applicable Method 19 equations:

(i) Multiply SO2 ppm by 1.66 × 10-7;

(ii) Multiply HCl ppm by 9.43 × 10-8;

(iii) Multiply HF ppm by 5.18 × 10-8;

(iv) Multiply HAP metals concentrations (mg/dscm) by 6.24 × 10-8; and

(v) Multiply Hg concentrations (µg/scm) by 6.24 × 10-11.

(3) To determine compliance with emission limits expressed in lb/MWh or lb/GWh, you must first calculate the pollutant mass emission rate during the performance test, in units of lb/h. For Hg, if a CEMS or sorbent trap monitoring system is used, use Equation A-2 or A-3 in appendix A to this subpart (as applicable). In all other cases, use an equation that has the general form of Equation A-2 or A-3, replacing the value of K with 1.66 × 10-7 lb/scf-ppm for SO2, 9.43 × 10-8 lb/scf-ppm for HCl (if an HCl CEMS is used), 5.18 × 10-8 lb/scf-ppm for HF (if an HF CEMS is used), or 6.24 × 10-8 lb-scm/mg-scf for HAP metals and for HCl and HF (when performance stack testing is used), and defining Ch as the average SO2, HCl, or HF concentration in ppm, or the average HAP metals concentration in mg/dscm. This calculation requires stack gas volumetric flow rate (scfh) and (in some cases) moisture content data (see §§63.10005(h)(3) and 63.10010). Then, if the applicable emission limit is in units of lb/GWh, use Equation A-4 in appendix A to this subpart to calculate the pollutant emission rate in lb/GWh. In this calculation, define (M)h as the calculated pollutant mass emission rate for the performance test (lb/h), and define (MW)h as the average electrical load during the performance test (megawatts). If the applicable emission limit is in

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lb/MWh rather than lb/GWh, omit the 103 term from Equation A-4 to determine the pollutant emission rate in lb/MWh.

(f) If you elect to (or are required to) use CEMS to continuously monitor Hg, HCl, HF, SO2, or PM emissions (or, if applicable, sorbent trap monitoring systems to continuously collect Hg emissions data), the following default values are available for use in the emission rate calculations during startup periods or shutdown periods (as defined in §63.10042). For the purposes of this subpart, these default values are not considered to be substitute data.

(1) Diluent cap values. If you use CEMS (or, if applicable, sorbent trap monitoring systems) to comply with a heat input-based emission rate limit, you may use the following diluent cap values for a startup or shutdown hour in which the measured CO2 concentration is below the cap value or the measured O2 concentration is above the cap value:

(i) For an IGCC EGU, you may use 1% for CO2 or 19% for O2.

(ii) For all other EGUs, you may use 5% for CO2 or 14% for O2.

(2) Default gross output. If you use CEMS to continuously monitor Hg, HCl, HF, SO2, or PM emissions (or, if applicable, sorbent trap monitoring systems to continuously collect Hg emissions data), the following default value is available for use in the emission rate calculations during startup periods or shutdown periods (as defined in §63.10042). For the purposes of this subpart, this default value is not considered to be substitute data. For a startup or shutdown hour in which there is heat input to an affected EGU but zero gross output, you must calculate the pollutant emission rate using a value equivalent to 5% of the maximum sustainable gross output, expressed in megawatts, as defined in section 6.5.2.1(a)(1) of appendix A to part 75 of this chapter. This default gross output is either the nameplate capacity of the EGU or the highest gross output observed in at least four representative quarters of EGU operation. For a monitored common stack, the default gross output is used only when all EGUs are operating (i.e., combusting fuel) are in startup or shutdown mode, and have zero electrical generation. Under those conditions, a default gross output equal to 5% of the combined maximum sustainable gross output of the EGUs that are operating but have a total of zero gross output must be used to calculate the hourly gross output-based pollutant emissions rate.

(g) Upon request, you shall make available to the EPA Administrator such records as may be necessary to determine whether the performance tests have been done according to the requirements of this section.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23403, Apr. 19, 2012; 78 FR 24085, Apr. 24, 2013; 79 FR 68789, Nov. 19, 2014; 81 FR 20182, Apr. 6, 2016]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §Table 5 to Subpart UUUUU of Part 63]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Performance Testing Requirements**

As stated in §63.10007, you must comply with the following requirements for performance testing for existing, new or reconstructed affected sources:[1 and 2]

(1) To conduct a performance test for Filterable Particulate matter (PM) using emissions testing you must perform the following activities, as applicable to your input- or output based emission limit:

(a) Select sampling ports location and the number of traverse points using Method 1 at appendix A-1 to part 60 of this chapter.

(b) Determine velocity and volumetric flow-rate of the stack gas using Method 2, 2A, 2C, 2F, 2G or 2H at appendix A-1 or A-2 to part 60 of this chapter.

(c) Determine oxygen and carbon dioxide concentrations of the stack gas using Method 3A or 3B at appendix A-2 to part 60 of this chapter, or ANSI/ASME PTC 19.10-1981.[3]

(d) Measure the moisture content of the stack gas using Method 4 at appendix A-3 to part 60 of this chapter.

(e) Measure the filterable PM concentration using Methods 5 and 5I at appendix A-3 to part 60 of this chapter. For positive pressure fabric filters, Method 5D at appendix A-3 to part 60 of this chapter for filterable PM emissions. Note that the Method

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5 or 5I front half temperature shall be 160° ±14 °C (320° ±25 °F).

(f) Convert emissions concentration to lb/MMBtu or lb/MWh emissions rates using Method 19 F-factor methodology at appendix A-7 to part 60 of this chapter, or calculate using mass emissions rate and gross output data (see §63.10007(e)).

(2) Total or individual non-Hg HAP metals- Not applicable.

(3) To conduct performance test for Hydrogen chloride (HCl) and hydrogen fluoride (HF) using emissions testing you must perfrom the following activities, as applicable to your input- or output based emission limit:

(a) Select sampling ports location and the number of traverse points using Method 1 at appendix A-1 to part 60 of this chapter.

(b) Determine velocity and volumetric flow-rate of the stack gas using Method 2, 2A, 2C, 2F, 2G or 2H at appendix A-1 or A-2 to part 60 of this chapter.

(c) Determine oxygen and carbon dioxide concentrations of the stack gas using Method 3A or 3B at appendix A-2 to part 60 of this chapter, or ANSI/ASME PTC 19.10-1981.3

(d) Measure the moisture content of the stack gas using Method 4 at appendix A-3 to part 60 of this chapter.

(e) Measure the HCl and HF emissions concentrations using Method 26 or Method 26A at appendix A-8 to part 60 of this chapter or Method 320 at appendix A to part 63 of this chapter or ASTM D6348-03[3] with:

(1) the following conditions when using ASTM D6348-03:

(A) The test plan preparation and implementation in the Annexes to ASTM D6348-03, Sections A1 through A8 are mandatory;

(B) For ASTM D6348-03 Annex A5 (Analyte Spiking Technique), the percent (%) R must be determined for each target analyte (see Equation A5.5);

(C) For the ASTM D6348-03 test data to be acceptable for a target analyte, %R must be 70% =R =130%; and

(D) The %R value for each compound must be reported in the test report and all field measurements corrected with the calculated %R value for that compound using the following equation: [Please refer to Table 5 under Part 63, Subpat UUUUU Title 40 - Protection of Environment in www.ecfr.gov for equation]

(2) spiking levels nominally no greater than two times the level corresponding to the applicable emission limit. Method 26A must be used if there are entrained water droplets in the exhaust stream.

(f) Convert emissions concentration to lb/MMBtu or lb/MWh emissions rates using Method 19 F-factor methodology at appendix A-7 to part 60 of this chapter, or calculate using mass emissions rate and gross output data (see §63.10007(e)).

(4) To conduct a performance test for Mercury (Hg) using sorbent trap monitoring system you must perform the following activities, as applicable to your input- or output based emission limit:

(a) Install, certify, operate, and maintain the sorbent trap monitoring system using Sections 3.2.2 and 5.2 of appendix A to this subpart.

(b) Install, operate, and maintain the diluent gas, flow rate, and/or moisture monitoring systems using Part 75 of this chapter and §63.10010(a), (b), (c), and (d).

(c) Convert emissions concentrations to 30 boiler operating day rolling average lb/TBtu or lb/GWh emissions rates using Section 6 of appendix A to this subpart.

(5) To conduct a performance test for Sulfur dioxide (SO2) using SO2 CEMs you must perform the following activities, as

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applicable to your input- or output based emission limit:

(a) Install, certify, operate, and maintain the CEMS using Part 75 of this chapter and §63.10010(a) and (f).

(b) Install, operate, and maintain the diluent gas, flow rate, and/or moisture monitoring systems using Part 75 of this chapter and §63.10010(a), (b), (c), and (d).

(c) Convert hourly emissions concentrations to 30 boiler operating day rolling average lb/MMBtu or lb/MWh emissions rates using Method 19 F-factor methodology at appendix A-7 to part 60 of this chapter, or calculate using mass emissions rate and gross output data (see §63.10007(e)).

[1]Regarding emissions data collected during periods of startup or shutdown, see §§63.10020(b) and (c) and 63.10021(h).
[2] See Tables 1 and 2 to this subpart for required sample volumes and/or sampling run times.
[3] Incorporated by reference, see §63.14.

[83 FR 56727, Nov. 14, 2018]

### III. MONITORING REQUIREMENTS.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8]**
**Subpart A--General Provisions**
**Monitoring requirements.**

40 CFR §63.8(f)(4) Use of an alternative monitoring method

(4)(i) Request to use alternative monitoring procedure. An owner or operator who wishes to use an alternative monitoring procedure must submit an application to the Administrator as described in paragraph (f)(4)(ii) of this section. The application may be submitted at any time provided that the monitoring procedure is not the performance test method used to demonstrate compliance with a relevant standard or other requirement. If the alternative monitoring procedure will serve as the performance test method that is to be used to demonstrate compliance with a relevant standard, the application must be submitted at least 60 days before the performance evaluation is scheduled to begin and must meet the requirements for an alternative test method under §63.7(f).

(ii) The application must contain a description of the proposed alternative monitoring system which addresses the four elements contained in the definition of monitoring in §63.2 and a performance evaluation test plan, if required, as specified in paragraph (e)(3) of this section. In addition, the application must include information justifying the owner or operator's request for an alternative monitoring method, such as the technical or economic infeasibility, or the impracticality, of the affected source using the required method.

(iii) The owner or operator may submit the information required in this paragraph well in advance of the submittal dates specified in paragraph (f)(4)(i) above to ensure a timely review by the Administrator in order to meet the compliance demonstration date specified in this section or the relevant standard.

(iv) Application for minor changes to monitoring procedures, as specified in paragraph (b)(1) of this section, may be made in the site-specific performance evaluation plan.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8]**
**Subpart A--General Provisions**
**Monitoring requirements.**

40 CFR §63.8(d)(3) Quality control program.

(3) The owner or operator shall keep these written procedures on record for the life of the affected source or until the affected source is no longer subject to the provisions of this part, to be made available for inspection, upon request, by the Administrator. If the performance evaluation plan is revised, the owner or operator shall keep previous (i.e., superseded) versions of the performance evaluation plan on record to be made available for inspection, upon request, by the Administrator, for a period of 5 years after each revision to the plan. Where relevant, e.g., program of corrective action for a malfunctioning CMS, these written procedures may be incorporated as part of the affected source's startup, shutdown, and malfunction plan to avoid duplication of planning and recordkeeping efforts.

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**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8]**

**Subpart A--General Provisions**

**Monitoring requirements.**

40 CFR §63.8(e)

(e) Performance evaluation of continuous monitoring systems—(1) General. When required by a relevant standard, and at any other time the Administrator may require under section 114 of the Act, the owner or operator of an affected source being monitored shall conduct a performance evaluation of the CMS. Such performance evaluation shall be conducted according to the applicable specifications and procedures described in this section or in the relevant standard.

(2) Notification of performance evaluation. The owner or operator shall notify the Administrator in writing of the date of the performance evaluation simultaneously with the notification of the performance test date required under §63.7(b) or at least 60 days prior to the date the performance evaluation is scheduled to begin if no performance test is required.

(3)(i) Submission of site-specific performance evaluation test plan. Before conducting a required CMS performance evaluation, the owner or operator of an affected source shall develop and submit a site-specific performance evaluation test plan to the Administrator for approval upon request. The performance evaluation test plan shall include the evaluation program objectives, an evaluation program summary, the performance evaluation schedule, data quality objectives, and both an internal and external QA program. Data quality objectives are the pre-evaluation expectations of precision, accuracy, and completeness of data.

(ii) The internal QA program shall include, at a minimum, the activities planned by routine operators and analysts to provide an assessment of CMS performance. The external QA program shall include, at a minimum, systems audits that include the opportunity for on-site evaluation by the Administrator of instrument calibration, data validation, sample logging, and documentation of quality control data and field maintenance activities.

(iii) The owner or operator of an affected source shall submit the site-specific performance evaluation test plan to the Administrator (if requested) at least 60 days before the performance test or performance evaluation is scheduled to begin, or on a mutually agreed upon date, and review and approval of the performance evaluation test plan by the Administrator will occur with the review and approval of the site-specific test plan (if review of the site-specific test plan is requested).

(iv) The Administrator may request additional relevant information after the submittal of a site-specific performance evaluation test plan.

(v) In the event that the Administrator fails to approve or disapprove the site-specific performance evaluation test plan within the time period specified in §63.7(c)(3), the following conditions shall apply:

(A) If the owner or operator intends to demonstrate compliance using the monitoring method(s) specified in the relevant standard, the owner or operator shall conduct the performance evaluation within the time specified in this subpart using the specified method(s);

(B) If the owner or operator intends to demonstrate compliance by using an alternative to a monitoring method specified in the relevant standard, the owner or operator shall refrain from conducting the performance evaluation until the Administrator approves the use of the alternative method. If the Administrator does not approve the use of the alternative method within 30 days before the performance evaluation is scheduled to begin, the performance evaluation deadlines specified in paragraph (e)(4) of this section may be extended such that the owner or operator shall conduct the performance evaluation within 60 calendar days after the Administrator approves the use of the alternative method. Notwithstanding the requirements in the preceding two sentences, the owner or operator may proceed to conduct the performance evaluation as required in this section (without the Administrator's prior approval of the site-specific performance evaluation test plan) if he/she subsequently chooses to use the specified monitoring method(s) instead of an alternative.

(vi) Neither the submission of a site-specific performance evaluation test plan for approval, nor the Administrator's approval or disapproval of a plan, nor the Administrator's failure to approve or disapprove a plan in a timely manner shall—

(A) Relieve an owner or operator of legal responsibility for compliance with any applicable provisions of this part or with any other applicable Federal, State, or local requirement; or

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(B) Prevent the Administrator from implementing or enforcing this part or taking any other action under the Act.

(4) Conduct of performance evaluation and performance evaluation dates. The owner or operator of an affected source shall conduct a performance evaluation of a required CMS during any performance test required under §63.7 in accordance with the applicable performance specification as specified in the relevant standard. Notwithstanding the requirement in the previous sentence, if the owner or operator of an affected source elects to submit COMS data for compliance with a relevant opacity emission standard as provided under §63.6(h)(7), he/she shall conduct a performance evaluation of the COMS as specified in the relevant standard, before the performance test required under §63.7 is conducted in time to submit the results of the performance evaluation as specified in paragraph (e)(5)(ii) of this section. If a performance test is not required, or the requirement for a performance test has been waived under §63.7(h), the owner or operator of an affected source shall conduct the performance evaluation not later than 180 days after the appropriate compliance date for the affected source, as specified in §63.7(a), or as otherwise specified in the relevant standard.

(5) Reporting performance evaluation results. (i) The owner or operator shall furnish the Administrator a copy of a written report of the results of the performance evaluation containing the information specified in §63.7(g)(2)(i) through (vi) simultaneously with the results of the performance test required under §63.7 or within 60 days of completion of the performance evaluation, unless otherwise specified in a relevant standard.

(ii) The owner or operator of an affected source using a COMS to determine opacity compliance during any performance test required under §63.7 and described in §63.6(d)(6) shall furnish the Administrator two or, upon request, three copies of a written report of the results of the COMS performance evaluation under this paragraph. The copies shall be provided at least 15 calendar days before the performance test required under §63.7 is conducted.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8]**

**Subpart A--General Provisions**

**Monitoring requirements.**

40 CFR §63.8(f)(6)

(6) Alternative to the relative accuracy test. An alternative to the relative accuracy test for CEMS specified in a relevant standard may be requested as follows:

(i) Criteria for approval of alternative procedures. An alternative to the test method for determining relative accuracy is available for affected sources with emission rates demonstrated to be less than 50 percent of the relevant standard. The owner or operator of an affected source may petition the Administrator under paragraph (f)(6)(ii) of this section to substitute the relative accuracy test in section 7 of Performance Specification 2 with the procedures in section 10 if the results of a performance test conducted according to the requirements in §63.7, or other tests performed following the criteria in §63.7, demonstrate that the emission rate of the pollutant of interest in the units of the relevant standard is less than 50 percent of the relevant standard. For affected sources subject to emission limitations expressed as control efficiency levels, the owner or operator may petition the Administrator to substitute the relative accuracy test with the procedures in section 10 of Performance Specification 2 if the control device exhaust emission rate is less than 50 percent of the level needed to meet the control efficiency requirement. The alternative procedures do not apply if the CEMS is used continuously to determine compliance with the relevant standard.

(ii) Petition to use alternative to relative accuracy test. The petition to use an alternative to the relative accuracy test shall include a detailed description of the procedures to be applied, the location and the procedure for conducting the alternative, the concentration or response levels of the alternative relative accuracy materials, and the other equipment checks included in the alternative procedure(s). The Administrator will review the petition for completeness and applicability. The Administrator's determination to approve an alternative will depend on the intended use of the CEMS data and may require specifications more stringent than in Performance Specification 2.

(iii) Rescission of approval to use alternative to relative accuracy test. The Administrator will review the permission to use an alternative to the CEMS relative accuracy test and may rescind such permission if the CEMS data from a successful completion of the alternative relative accuracy procedure indicate that the affected source's emissions are approaching the level of the relevant standard. The criterion for reviewing the permission is that the collection of CEMS data shows that emissions have exceeded 70 percent of the relevant standard for any averaging period, as specified in the relevant standard. For affected sources subject to emission limitations expressed as control efficiency levels, the criterion for reviewing the permission is that the collection of CEMS data shows that exhaust emissions have exceeded 70 percent of

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the level needed to meet the control efficiency requirement for any averaging period, as specified in the relevant standard. The owner or operator of the affected source shall maintain records and determine the level of emissions relative to the criterion for permission to use an alternative for relative accuracy testing. If this criterion is exceeded, the owner or operator shall notify the Administrator within 10 days of such occurrence and include a description of the nature and cause of the increased emissions. The Administrator will review the notification and may rescind permission to use an alternative and require the owner or operator to conduct a relative accuracy test of the CEMS as specified in section 7 of Performance Specification 2. The Administrator will review the notification and may rescind permission to use an alternative and require the owner or operator to conduct a relative accuracy test of the CEMS as specified in section 8.4 of Performance Specification 2.

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.8]**

**Subpart A--General Provisions**

**Monitoring requirements.**

40 CFR §63.8(c)(7)

(7)(i) A CMS is out of control if—

(A) The zero (low-level), mid-level (if applicable), or high-level calibration drift (CD) exceeds two times the applicable CD specification in the applicable performance specification or in the relevant standard; or

(B) The CMS fails a performance test audit (e.g., cylinder gas audit), relative accuracy audit, relative accuracy test audit, or linearity test audit; or

(C) The COMS CD exceeds two times the limit in the applicable performance specification in the relevant standard.

(ii) When the CMS is out of control, the owner or operator of the affected source shall take the necessary corrective action and shall repeat all necessary tests which indicate that the system is out of control. The owner or operator shall take corrective action and conduct retesting until the performance requirements are below the applicable limits. The beginning of the out-of-control period is the hour the owner or operator conducts a performance check (e.g., calibration drift) that indicates an exceedance of the performance requirements established under this part. The end of the out-of-control period is the hour following the completion of corrective action and successful demonstration that the system is within the allowable limits. During the period the CMS is out of control, recorded data shall not be used in data averages and calculations, or to meet any data availability requirement established under this part.

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10010]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What are my monitoring, installation, operation, and maintenance requirements?**

(a) Flue gases from the affected units under this subpart exhaust to the atmosphere through a variety of different configurations, including but not limited to individual stacks, a common stack configuration or a main stack plus a bypass stack. For the CEMS, PM CPMS, and sorbent trap monitoring systems used to provide data under this subpart, the continuous monitoring system installation requirements for these exhaust configurations are as follows:

(1) Single unit-single stack configurations. For an affected unit that exhausts to the atmosphere through a single, dedicated stack, you shall either install the required CEMS, PM CPMS, and sorbent trap monitoring systems in the stack or at a location in the ductwork downstream of all emissions control devices, where the pollutant and diluents concentrations are representative of the emissions that exit to the atmosphere.

(2)-(6) Not applicable.

(b) If you use an oxygen (O2) or carbon dioxide (CO2) CEMS to convert measured pollutant concentrations to the units of the applicable emissions limit, the O2 or CO2 concentrations shall be monitored at a location that represents emissions to the atmosphere, i.e., at the outlet of the EGU, downstream of all emission control devices. You must install, certify, maintain, and operate the CEMS according to part 75 of this chapter. Use only quality-assured O2 or CO2 data in the emissions calculations; do not use part 75 substitute data values.

(c) If you are required to use a stack gas flow rate monitor, either for routine operation of a sorbent trap monitoring system or to convert pollutant concentrations to units of an electrical output-based emission standard in Table 1 or 2 to this subpart,

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you must install, certify, operate, and maintain the monitoring system and conduct on-going quality-assurance testing of the system according to part 75 of this chapter. Use only unadjusted, quality-assured flow rate data in the emissions calculations. Do not apply bias adjustment factors to the flow rate data and do not use substitute flow rate data in the calculations.

(d)-(e) Not applicable.

(f)(1) If you use an SO2 CEMS, you must install the monitor at the outlet of the EGU, downstream of all emission control devices, and you must certify, operate, and maintain the CEMS according to part 75 of this chapter.

(2) For on-going QA, the SO2 CEMS must meet the applicable daily, quarterly, and semiannual or annual requirements in sections 2.1 through 2.3 of appendix B to part 75 of this chapter, with the following addition: You must perform the linearity checks required in section 2.2 of appendix B to part 75 of this chapter if the SO2 CEMS has a span value of 30 ppm or less.

(3) Calculate and record a 30-boiler operating day rolling average SO2 emission rate in the units of the standard, updated after each new boiler operating day. Each 30-boiler operating day rolling average emission rate is the average of all of the valid hourly SO2 emission rates in the 30 boiler operating day period.

(4) Use only unadjusted, quality-assured SO2 concentration values in the emissions calculations; do not apply bias adjustment factors to the part 75 SO2 data and do not use part 75 substitute data values. For startup or shutdown hours (as defined in §63.10042) the default gross output and the diluent cap are available for use in the hourly SO2 emission rate calculations, as described in §63.10007(f). Use a flag to identify each startup or shutdown hour and report a special code if the diluent cap or default gross output is used to calculate the SO2 emission rate for any of these hours.

(g) If you use a Hg CEMS or a sorbent trap monitoring system, you must install, certify, operate, maintain and quality-assure the data from the monitoring system in accordance with appendix A to this subpart. You must calculate and record a 30- (or, if alternate emissions averaging is used, 90-) boiler operating day rolling average Hg emission rate, in units of the standard, updated after each new boiler operating day. Each 30- (or, if alternate emissions averaging is used, 90-) boiler operating day rolling average emission rate, calculated according to section 6.2 of appendix A to the subpart, is the average of all of the valid hourly Hg emission rates in the preceding 30- (or, if alternate emissions averaging is used, a 90-) boiler operating days. Section 7.1.4.3 of appendix A to this subpart explains how to reduce sorbent trap monitoring system data to an hourly basis.

(h)-(l) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 78 FR 24086, Apr. 24, 2013; 79 FR 68789, Nov. 19, 2014; 81 FR 20185, Apr. 6, 2016; 85 FR 55758, Sept. 9, 2020]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10020]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**How do I monitor and collect data to demonstrate continuous compliance?**

(a) You must monitor and collect data according to this section and the site-specific monitoring plan required by §63.10000(d).

(b) You must operate the monitoring system and collect data at all required intervals at all times that the affected EGU is operating, except for required monitoring system quality assurance or quality control activities, including, as applicable, calibration checks and required zero and span adjustments, and any scheduled maintenance as defined in your site-specific monitoring plan. You are required to affect monitoring system repairs in response to monitoring system malfunctions and to return the monitoring system to operation as expeditiously as practicable.

(c) You may not use data recorded during EGU startup or shutdown in calculations used to report emissions, except as otherwise provided in §§63.10000(c)(1)(vi)(B) and 63.10005(a)(2)(iii). In addition, data recorded during monitoring system malfunctions or monitoring system out-of-control periods, repairs associated with monitoring system malfunctions or monitoring system out-of-control periods, or required monitoring system quality assurance or control activities may not be used in calculations used to report emissions or operating levels. You must use all of the quality-assured data collected during all other periods in assessing the operation of the control device and associated control system.

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(d) Periods of monitoring system malfunctions or monitoring system out-of-control periods, repairs associated with monitoring system malfunctions or monitoring system out-of-control periods, and required monitoring system quality assurance or quality control activities excluding zero and span checks must be reported as time the monitor was inoperative (downtime) under 63.10(c). Failure to collect required quality-assured data during monitoring system malfunctions, monitoring system out-of-control periods, or repairs associated with monitoring system malfunctions or monitoring system out-of-control periods is a deviation from the monitoring requirements.

(e) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 79 FR 68790, Nov. 19, 2014; 81 FR 20187, Apr. 6, 2016; 85 FR 55759, Sept. 9, 2020]

## IV. RECORDKEEPING REQUIREMENTS.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.10]**

**Subpart A--General Provisions**

**Recordkeeping and reporting requirements.**

(a) Applicability and general information. (1) The applicability of this section is set out in §63.1(a)(4).

(2) For affected sources that have been granted an extension of compliance under subpart D of this part, the requirements of this section do not apply to those sources while they are operating under such compliance extensions.

(3) If any State requires a report that contains all the information required in a report listed in this section, an owner or operator may send the Administrator a copy of the report sent to the State to satisfy the requirements of this section for that report.

(4)(i) Before a State has been delegated the authority to implement and enforce recordkeeping and reporting requirements established under this part, the owner or operator of an affected source in such State subject to such requirements shall submit reports to the appropriate Regional Office of the EPA (to the attention of the Director of the Division indicated in the list of the EPA Regional Offices in §63.13).

(ii) After a State has been delegated the authority to implement and enforce recordkeeping and reporting requirements established under this part, the owner or operator of an affected source in such State subject to such requirements shall submit reports to the delegated State authority (which may be the same as the permitting authority). In addition, if the delegated (permitting) authority is the State, the owner or operator shall send a copy of each report submitted to the State to the appropriate Regional Office of the EPA, as specified in paragraph (a)(4)(i) of this section. The Regional Office may waive this requirement for any reports at its discretion.

(5) If an owner or operator of an affected source in a State with delegated authority is required to submit periodic reports under this part to the State, and if the State has an established timeline for the submission of periodic reports that is consistent with the reporting frequency(ies) specified for such source under this part, the owner or operator may change the dates by which periodic reports under this part shall be submitted (without changing the frequency of reporting) to be consistent with the State's schedule by mutual agreement between the owner or operator and the State. For each relevant standard established pursuant to section 112 of the Act, the allowance in the previous sentence applies in each State beginning 1 year after the affected source's compliance date for that standard. Procedures governing the implementation of this provision are specified in §63.9(i).

(6) If an owner or operator supervises one or more stationary sources affected by more than one standard established pursuant to section 112 of the Act, he/she may arrange by mutual agreement between the owner or operator and the Administrator (or the State permitting authority) a common schedule on which periodic reports required for each source shall be submitted throughout the year. The allowance in the previous sentence applies in each State beginning 1 year after the latest compliance date for any relevant standard established pursuant to section 112 of the Act for any such affected source(s). Procedures governing the implementation of this provision are specified in §63.9(i).

(7) If an owner or operator supervises one or more stationary sources affected by standards established pursuant to section 112 of the Act (as amended November 15, 1990) and standards set under part 60, part 61, or both such parts of this chapter, he/she may arrange by mutual agreement between the owner or operator and the Administrator (or the State permitting authority) a common schedule on which periodic reports required by each relevant (i.e., applicable) standard

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shall be submitted throughout the year. The allowance in the previous sentence applies in each State beginning 1 year after the stationary source is required to be in compliance with the relevant section 112 standard, or 1 year after the stationary source is required to be in compliance with the applicable part 60 or part 61 standard, whichever is latest. Procedures governing the implementation of this provision are specified in §63.9(i).

(b) General recordkeeping requirements. (1) The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

(2) The owner or operator of an affected source subject to the provisions of this part shall maintain relevant records for such source of—

(i) The occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards;

(ii) The occurrence and duration of each malfunction of operation (i.e., process equipment) or the required air pollution control and monitoring equipment;

(iii) All required maintenance performed on the air pollution control and monitoring equipment;

(iv)(A) Actions taken during periods of startup or shutdown when the source exceeded applicable emission limitations in a relevant standard and when the actions taken are different from the procedures specified in the affected source's startup, shutdown, and malfunction plan (see §63.6(e)(3)); or

(B) Actions taken during periods of malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) when the actions taken are different from the procedures specified in the affected source's startup, shutdown, and malfunction plan (see §63.6(e)(3));

(v) All information necessary, including actions taken, to demonstrate conformance with the affected source's startup, shutdown, and malfunction plan (see §63.6(e)(3)) when all actions taken during periods of startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan. (The information needed to demonstrate conformance with the startup, shutdown, and malfunction plan may be recorded using a “checklist,” or some other effective form of recordkeeping, in order to minimize the recordkeeping burden for conforming events);

(vi) Each period during which a CMS is malfunctioning or inoperative (including out-of-control periods);

(vii) All required measurements needed to demonstrate compliance with a relevant standard (including, but not limited to, 15-minute averages of CMS data, raw performance testing measurements, and raw performance evaluation measurements, that support data that the source is required to report);

(A) This paragraph applies to owners or operators required to install a continuous emissions monitoring system (CEMS) where the CEMS installed is automated, and where the calculated data averages do not exclude periods of CEMS breakdown or malfunction. An automated CEMS records and reduces the measured data to the form of the pollutant emission standard through the use of a computerized data acquisition system. In lieu of maintaining a file of all CEMS subhourly measurements as required under paragraph (b)(2)(vii) of this section, the owner or operator shall retain the most recent consecutive three averaging periods of subhourly measurements and a file that contains a hard copy of the data acquisition system algorithm used to reduce the measured data into the reportable form of the standard.

(B) This paragraph applies to owners or operators required to install a CEMS where the measured data is manually reduced to obtain the reportable form of the standard, and where the calculated data averages do not exclude periods of CEMS breakdown or malfunction. In lieu of maintaining a file of all CEMS subhourly measurements as required under

paragraph (b)(2)(vii) of this section, the owner or operator shall retain all subhourly measurements for the most recent reporting period. The subhourly measurements shall be retained for 120 days from the date of the most recent summary or excess emission report submitted to the Administrator.

(C) The Administrator or delegated authority, upon notification to the source, may require the owner or operator to maintain all measurements as required by paragraph (b)(2)(vii), if the administrator or the delegated authority determines these records are required to more accurately assess the compliance status of the affected source.

(viii) All results of performance tests, CMS performance evaluations, and opacity and visible emission observations;

(ix) All measurements as may be necessary to determine the conditions of performance tests and performance evaluations;

(x) All CMS calibration checks;

(xi) All adjustments and maintenance performed on CMS;

(xii) Any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements under this part, if the source has been granted a waiver under paragraph (f) of this section;

(xiii) All emission levels relative to the criterion for obtaining permission to use an alternative to the relative accuracy test, if the source has been granted such permission under §63.8(f)(6); and

(xiv) All documentation supporting initial notifications and notifications of compliance status under §63.9.

(3) Recordkeeping requirement for applicability determinations. If an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f), and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under this part) because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the Administrator to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of this part for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with EPA guidance materials published to assist sources in making applicability determinations under section 112, if any. The requirements to determine applicability of a standard under §63.1(b)(3) and to record the results of that determination under paragraph (b)(3) of this section shall not by themselves create an obligation for the owner or operator to obtain a title V permit.

(c) Additional recordkeeping requirements for sources with continuous monitoring systems. In addition to complying with the requirements specified in paragraphs (b)(1) and (b)(2) of this section, the owner or operator of an affected source required to install a CMS by a relevant standard shall maintain records for such source of—

(1) All required CMS measurements (including monitoring data recorded during unavoidable CMS breakdowns and out-of control periods);

(2)-(4) [Reserved]

(5) The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and highlevel checks;

(6) The date and time identifying each period during which the CMS was out of control, as defined in §63.8(c)(7);

(7) The specific identification (i.e., the date and time of commencement and completion) of each period of excess

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emissions and parameter monitoring exceedances, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of the affected source;

(8) The specific identification (i.e., the date and time of commencement and completion) of each time period of excess emissions and parameter monitoring exceedances, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of the affected source;

(9) [Reserved]

(10) The nature and cause of any malfunction (if known);

(11) The corrective action taken or preventive measures adopted;

(12) The nature of the repairs or adjustments to the CMS that was inoperative or out of control;

(13) The total process operating time during the reporting period; and

(14) All procedures that are part of a quality control program developed and implemented for CMS under §63.8(d).

(15) In order to satisfy the requirements of paragraphs (c)(10) through (c)(12) of this section and to avoid duplicative recordkeeping efforts, the owner or operator may use the affected source's startup, shutdown, and malfunction plan or records kept to satisfy the recordkeeping requirements of the startup, shutdown, and malfunction plan specified in §63.6(e), provided that such plan and records adequately address the requirements of paragraphs (c)(10) through (c)(12).

(d) General reporting requirements. (1) Notwithstanding the requirements in this paragraph or paragraph (e) of this section, and except as provided in §63.16, the owner or operator of an affected source subject to reporting requirements under this part shall submit reports to the Administrator in accordance with the reporting requirements in the relevant standard(s).

(2) Reporting results of performance tests. Before a title V permit has been issued to the owner or operator of an affected source, the owner or operator shall report the results of any performance test under §63.7 to the Administrator. After a title V permit has been issued to the owner or operator of an affected source, the owner or operator shall report the results of a required performance test to the appropriate permitting authority. The owner or operator of an affected source shall report the results of the performance test to the Administrator (or the State with an approved permit program) before the close of business on the 60th day following the completion of the performance test, unless specified otherwise in a relevant standard or as approved otherwise in writing by the Administrator. The results of the performance test shall be submitted as part of the notification of compliance status required under §63.9(h).

(3) Reporting results of opacity or visible emission observations. The owner or operator of an affected source required to conduct opacity or visible emission observations by a relevant standard shall report the opacity or visible emission results (produced using Test Method 9 or Test Method 22, or an alternative to these test methods) along with the results of the performance test required under §63.7. If no performance test is required, or if visibility or other conditions prevent the opacity or visible emission observations from being conducted concurrently with the performance test required under §63.7, the owner or operator shall report the opacity or visible emission results before the close of business on the 30th day following the completion of the opacity or visible emission observations.

(4) Progress reports. The owner or operator of an affected source who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports to the Administrator (or the State with an approved permit program) by the dates specified in the written extension of compliance.

(5)(i) Periodic startup, shutdown, and malfunction reports. If actions taken by an owner or operator during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan (see §63.6(e)(3)), the owner or operator shall state such information in a startup, shutdown, and malfunction report. Actions taken to minimize emissions during such startups, shutdowns, and malfunctions shall be summarized in the report and may be done in checklist form; if actions taken are the same for each event, only one checklist is necessary. Such a report shall also include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused

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or may have caused any applicable emission limitation to be exceeded. Reports shall only be required if a startup or shutdown caused the source to exceed any applicable emission limitation in the relevant emission standards, or if a malfunction occurred during the reporting period. The startup, shutdown, and malfunction report shall consist of a letter, containing the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, that shall be submitted to the Administrator semiannually (or on a more frequent basis if specified otherwise in a relevant standard or as established otherwise by the permitting authority in the source's title V permit). The startup, shutdown, and malfunction report shall be delivered or postmarked by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate). If the owner or operator is required to submit excess emissions and continuous monitoring system performance (or other periodic) reports under this part, the startup, shutdown, and malfunction reports required under this paragraph may be submitted simultaneously with the excess emissions and continuous monitoring system performance (or other) reports. If startup, shutdown, and malfunction reports are submitted with excess emissions and continuous monitoring system performance (or other periodic) reports, and the owner or operator receives approval to reduce the frequency of reporting for the latter under paragraph (e) of this section, the frequency of reporting for the startup, shutdown, and malfunction reports also may be reduced if the Administrator does not object to the intended change. The procedures to implement the allowance in the preceding sentence shall be the same as the procedures specified in paragraph (e)(3) of this section.

(ii) Immediate startup, shutdown, and malfunction reports. Notwithstanding the allowance to reduce the frequency of reporting for periodic startup, shutdown, and malfunction reports under paragraph (d)(5)(i) of this section, any time an action taken by an owner or operator during a startup or shutdown that caused the source to exceed any applicable emission limitation in the relevant emission standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the owner or operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph (d)(5)(ii) shall consist of a telephone call (or facsimile (FAX) transmission) to the Administrator within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions in conformance with §63.6(e)(1)(i). Notwithstanding the requirements of the previous sentence, after the effective date of an approved permit program in the State in which an affected source is located, the owner or operator may make alternative reporting arrangements, in advance, with the permitting authority in that State. Procedures governing the arrangement of alternative reporting requirements under this paragraph (d)(5)(ii) are specified in §63.9(i).

(e) Additional reporting requirements for sources with continuous monitoring systems—(1) General. When more than one CEMS is used to measure the emissions from one affected source (e.g., multiple breechings, multiple outlets), the owner or operator shall report the results as required for each CEMS.

(2) Reporting results of continuous monitoring system performance evaluations. (i) The owner or operator of an affected source required to install a CMS by a relevant standard shall furnish the Administrator a copy of a written report of the results of the CMS performance evaluation, as required under §63.8(e), simultaneously with the results of the performance test required under §63.7, unless otherwise specified in the relevant standard.

(ii) The owner or operator of an affected source using a COMS to determine opacity compliance during any performance test required under §63.7 and described in §63.6(d)(6) shall furnish the Administrator two or, upon request, three copies of a written report of the results of the COMS performance evaluation conducted under §63.8(e). The copies shall be furnished at least 15 calendar days before the performance test required under §63.7 is conducted.

(3) Excess emissions and continuous monitoring system performance report and summary report. (i) Excess emissions and parameter monitoring exceedances are defined in relevant standards. The owner or operator of an affected source required to install a CMS by a relevant standard shall submit an excess emissions and continuous monitoring system performance report and/or a summary report to the Administrator semiannually, except when—

(A) More frequent reporting is specifically required by a relevant standard;

(B) The Administrator determines on a case-by-case basis that more frequent reporting is necessary to accurately assess

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the compliance status of the source; or

(C) [Reserved]

(D) The affected source is complying with the Performance Track Provisions of §63.16, which allows less frequent reporting.

(ii) Request to reduce frequency of excess emissions and continuous monitoring system performance reports. Notwithstanding the frequency of reporting requirements specified in paragraph (e)(3)(i) of this section, an owner or operator who is required by a relevant standard to submit excess emissions and continuous monitoring system performance (and summary) reports on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the following conditions are met:

(A) For 1 full year (e.g., 4 quarterly or 12 monthly reporting periods) the affected source's excess emissions and continuous monitoring system performance reports continually demonstrate that the source is in compliance with the relevant standard;

(B) The owner or operator continues to comply with all recordkeeping and monitoring requirements specified in this subpart and the relevant standard; and

(C) The Administrator does not object to a reduced frequency of reporting for the affected source, as provided in paragraph (e)(3)(iii) of this section.

(iii) The frequency of reporting of excess emissions and continuous monitoring system performance (and summary) reports required to comply with a relevant standard may be reduced only after the owner or operator notifies the Administrator in writing of his or her intention to make such a change and the Administrator does not object to the intendedchange. In deciding whether to approve a reduced frequency of reporting, the Administrator may review information concerning the source's entire previous performance history during the 5-year recordkeeping period prior to the intended change, including performance test results, monitoring data, and evaluations of an owner or operator's conformance with operation and maintenance requirements. Such information may be used by the Administrator to make a judgment about the source's potential for noncompliance in the future. If the Administrator disapproves the owner or operator's request to reduce the frequency of reporting, the Administrator will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator's intention. The notification from the Administrator to the owner or operator will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

(iv) As soon as CMS data indicate that the source is not in compliance with any emission limitation or operating parameter specified in the relevant standard, the frequency of reporting shall revert to the frequency specified in the relevant standard, and the owner or operator shall submit an excess emissions and continuous monitoring system performance (and summary) report for the noncomplying emission points at the next appropriate reporting period following the noncomplying event. After demonstrating ongoing compliance with the relevant standard for another full year, the owner or operator may again request approval from the Administrator to reduce the frequency of reporting for that standard, as provided for in paragraphs (e)(3)(ii) and (e)(3)(iii) of this section.

(v) Content and submittal dates for excess emissions and monitoring system performance reports. All excess emissions and monitoring system performance reports and all summary reports, if required, shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. Written reports of excess emissions or exceedances of process or control system parameters shall include all the information required in paragraphs (c)(5) through (c)(13) of this section, in §§63.8(c)(7) and 63.8(c)(8), and in the relevant standard, and they shall contain the name, title, and signature of the responsible official who is certifying the accuracy of the report. When no excess emissions or exceedances of a parameter have occurred, or a CMS has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

(vi) Summary report. As required under paragraphs (e)(3)(vii) and (e)(3)(viii) of this section, one summary report shall be submitted for the hazardous air pollutants monitored at each affected source (unless the relevant standard specifies that more than one summary report is required, e.g., one summary report for each hazardous air pollutant monitored). The summary report shall be entitled “Summary Report—Gaseous and Opacity Excess Emission and Continuous Monitoring

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System Performance" and shall contain the following information:

(A) The company name and address of the affected source;

(B) An identification of each hazardous air pollutant monitored at the affected source;

(C) The beginning and ending dates of the reporting period;

(D) A brief description of the process units;

(E) The emission and operating parameter limitations specified in the relevant standard(s);

(F) The monitoring equipment manufacturer(s) and model number(s);

(G) The date of the latest CMS certification or audit;

(H) The total operating time of the affected source during the reporting period;

(I) An emission data summary (or similar summary if the owner or operator monitors control system parameters), including the total duration of excess emissions during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to startup/shutdown, control equipment problems, process problems, other known causes, and other unknown causes;

(J) A CMS performance summary (or similar summary if the owner or operator monitors control system parameters), including the total CMS downtime during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of CMS downtime expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total CMS downtime during the reporting period into periods that are due to monitoring equipment malfunctions, nonmonitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and other unknown causes;

(K) A description of any changes in CMS, processes, or controls since the last reporting period;

(L) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and

(M) The date of the report.

(vii) If the total duration of excess emissions or process or control system parameter exceedances for the reporting period is less than 1 percent of the total operating time for the reporting period, and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report shall be submitted, and the full excess emissions and continuous monitoring system performance report need not be submitted unless required by the Administrator.

(viii) If the total duration of excess emissions or process or control system parameter exceedances for the reporting period is 1 percent or greater of the total operating time for the reporting period, or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, both the summary report and the excess emissions and continuous monitoring system performance report shall be submitted.

(4) Reporting continuous opacity monitoring system data produced during a performance test. The owner or operator of an affected source required to use a COMS shall record the monitoring data produced during a performance test required under §63.7 and shall furnish the Administrator a written report of the monitoring results. The report of COMS data shall be submitted simultaneously with the report of the performance test results required in paragraph (d)(2) of this section.

(f) Waiver of recordkeeping or reporting requirements. (1) Until a waiver of a recordkeeping or reporting requirement has been granted by the Administrator under this paragraph, the owner or operator of an affected source remains subject to the requirements of this section.

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(2) Recordkeeping or reporting requirements may be waived upon written application to the Administrator if, in the Administrator's judgment, the affected source is achieving the relevant standard(s), or the source is operating under an extension of compliance, or the owner or operator has requested an extension of compliance and the Administrator is still considering that request.

(3) If an application for a waiver of recordkeeping or reporting is made, the application shall accompany the request for an extension of compliance under §63.6(i), any required compliance progress report or compliance status report required under this part (such as under §§63.6(i) and 63.9(h)) or in the source's title V permit, or an excess emissions and continuous monitoring system performance report required under paragraph (e) of this section, whichever is applicable. The application shall include whatever information the owner or operator considers useful to convince the Administrator that a waiver of recordkeeping or reporting is warranted.

(4) The Administrator will approve or deny a request for a waiver of recordkeeping or reporting requirements under this paragraph when he/she—

(i) Approves or denies an extension of compliance; or

(ii) Makes a determination of compliance following the submission of a required compliance status report or excess emissions and continuous monitoring systems performance report; or

(iii) Makes a determination of suitable progress towards compliance following the submission of a compliance progress report, whichever is applicable.

(5) A waiver of any recordkeeping or reporting requirement granted under this paragraph may be conditioned on other recordkeeping or reporting requirements deemed necessary by the Administrator.

(6) Approval of any waiver granted under this section shall not abrogate the Administrator's authority under the Act or in any way prohibit the Administrator from later canceling the waiver. The cancellation will be made only after notice is given to the owner or operator of the affected source.

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10032]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section. If you are required to (or elect to) continuously monitor Hg and/or HCl and/or HF and/or PM emissions, or if you elect to use a PM CPMS, you must keep the records required under appendix A and/or appendix B and/or appendix C and/or appendix D to this subpart. If you elect to conduct periodic (e.g., quarterly or annual) performance stack tests, then, for each test completed on or after January 1, 2024, you must keep records of the applicable data elements under 40 CFR 63.7(g). You must also keep records of all data elements and other information in appendix E to this subpart that apply to your compliance strategy.

(1) In accordance with 40 CFR 63.10(b)(2)(xiv), a copy of each notification or report that you submit to comply with this subpart. You must also keep records of all supporting documentation for the initial Notifications of Compliance Status, semiannual compliance reports, or quarterly compliance reports that you submit.

(2) Records of performance stack tests, fuel analyses, or other compliance demonstrations and performance evaluations, as required in §63.10(b)(2)(viii).

(b) Not applicable.

(c) You must keep the records required in Table 7 to this subpart including records of all monitoring data and calculated averages for applicable PM CPMS operating limits to show continuous compliance with each emission limit and operating limit that applies to you.

(d) For each EGU subject to an emission limit, you must also keep the records in paragraphs (d)(1) through (3) of this section.

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(1) You must keep records of monthly fuel use by each EGU, including the type(s) of fuel and amount(s) used.

(2) Not applicable.

(3) For an EGU that qualifies as an LEE under §63.10005(h), you must keep annual records that document that your emissions in the previous stack test(s) continue to qualify the unit for LEE status for an applicable pollutant, and document that there was no change in source operations including fuel composition and operation of air pollution control equipment that would cause emissions of the pollutant to increase within the past year.

(e) If you elect to average emissions consistent with §63.10009, you must additionally keep a copy of the emissions averaging implementation plan required in §63.10009(g), all calculations required under §63.10009, including daily records of heat input or steam generation, as applicable, and monitoring records consistent with §63.10022.

(f) Regarding startup periods or shutdown periods:

(1) Should you choose to rely on paragraph (1) of the definition of "startup" in §63.10042 for your EGU, you must keep records of the occurrence and duration of each startup or shutdown.

(2) Not applicable.

(g) You must keep records of the occurrence and duration of each malfunction of an operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(h) You must keep records of actions taken during periods of malfunction to minimize emissions in accordance with §63.10000(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(i) You must keep records of the type(s) and amount(s) of fuel used during each startup or shutdown.

(j) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 79 FR 68792, Nov. 19, 2014; 81 FR 20189, Apr. 6, 2016; 85 FR 55763, Sept. 9, 2020]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subsection 63.10033]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

## V. REPORTING REQUIREMENTS.

**# 017 [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.**

(a) All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted to the appropriate Regional Office of the U.S. Environmental Protection Agency indicated in the following list of EPA Regional Offices.

EPA Region III (Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia), Director, Air Protection Division, 1650 Arch Street, Philadelphia, PA 19103.

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(b) All information required to be submitted to the Administrator under this part also shall be submitted to the appropriate State agency of any State to which authority has been delegated under section 112(l) of the Act. The owner or operator of an affected source may contact the appropriate EPA Regional Office for the mailing addresses for those States whose delegation requests have been approved.

(c) If any State requires a submittal that contains all the information required in an application, notification, request, report, statement, or other communication required in this part, an owner or operator may send the appropriate Regional Office of the EPA a copy of that submittal to satisfy the requirements of this part for that communication.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.9]**

**Subpart A--General Provisions**

**Notification requirements.**

(a) Applicability and general information. (1) The applicability of this section is set out in §63.1(a)(4).

(2) For affected sources that have been granted an extension of compliance under subpart D of this part, the requirements of this section do not apply to those sources while they are operating under such compliance extensions.

(3) If any State requires a notice that contains all the information required in a notification listed in this section, the owner or operator may send the Administrator a copy of the notice sent to the State to satisfy the requirements of this section for that notification.

(4)(i) Before a State has been delegated the authority to implement and enforce notification requirements established under this part, the owner or operator of an affected source in such State subject to such requirements shall submit notifications to the appropriate Regional Office of the EPA (to the attention of the Director of the Division indicated in the list of the EPA Regional Offices in §63.13).

(ii) After a State has been delegated the authority to implement and enforce notification requirements established under this part, the owner or operator of an affected source in such State subject to such requirements shall submit notifications to the delegated State authority (which may be the same as the permitting authority). In addition, if the delegated (permitting) authority is the State, the owner or operator shall send a copy of each notification submitted to the State to the appropriate Regional Office of the EPA, as specified in paragraph (a)(4)(i) of this section. The Regional Office may waive this requirement for any notifications at its discretion.

(b) Initial notifications. (1)(i) The requirements of this paragraph apply to the owner or operator of an affected source when such source becomes subject to a relevant standard.

(ii) If an area source that otherwise would be subject to an emission standard or other requirement established under this part if it were a major source subsequently increases its emissions of hazardous air pollutants (or its potential to emit hazardous air pollutants) such that the source is a major source that is subject to the emission standard or other requirement, such source shall be subject to the notification requirements of this section.

(iii) Affected sources that are required under this paragraph to submit an initial notification may use the application for approval of construction or reconstruction under §63.5(d) of this subpart, if relevant, to fulfill the initial notification requirements of this paragraph.

(2) The owner or operator of an affected source that has an initial startup before the effective date of a relevant standard under this part shall notify the Administrator in writing that the source is subject to the relevant standard. The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:

(i) The name and address of the owner or operator;

(ii) The address (i.e., physical location) of the affected source;

(iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;

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(iv) A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and

(v) A statement of whether the affected source is a major source or an area source.

(3) [Reserved]

(4) The owner or operator of a new or reconstructed major affected source for which an application for approval of construction or reconstruction is required under §63.5(d) must provide the following information in writing to the Administrator:

(i) A notification of intention to construct a new major-emitting affected source, reconstruct a major-emitting affected source, or reconstruct a major source such that the source becomes a major-emitting affected source with the application for approval of construction or reconstruction as specified in §63.5(d)(1)(i); and

(ii)-(iv) [Reserved]

(v) A notification of the actual date of startup of the source, delivered or postmarked within 15 calendar days after that date.

(5) The owner or operator of a new or reconstructed affected source for which an application for approval of construction or reconstruction is not required under §63.5(d) must provide the following information in writing to the Administrator:

(i) A notification of intention to construct a new affected source, reconstruct an affected source, or reconstruct a source such that the source becomes an affected source, and

(ii) A notification of the actual date of startup of the source, delivered or postmarked within 15 calendar days after that date.

(iii) Unless the owner or operator has requested and received prior permission from the Administrator to submit less than the information in §63.5(d), the notification must include the information required on the application for approval of construction or reconstruction as specified in §63.5(d)(1)(i).

(c)-(d) Not applicable.

(e) Notification of performance test. The owner or operator of an affected source shall notify the Administrator in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin to allow the Administrator to review and approve the site-specific test plan required under §63.7(c), if requested by the Administrator, and to have an observer present during the test.

(f) Not applicable.

(g) Additional notification requirements for sources with continuous monitoring systems. The owner or operator of an affected source required to use a CMS by a relevant standard shall furnish the Administrator written notification as follows:

(1) A notification of the date the CMS performance evaluation under §63.8(e) is scheduled to begin, submitted simultaneously with the notification of the performance test date required under §63.7(b). If no performance test is required, or if the requirement to conduct a performance test has been waived for an affected source under §63.7(h), the owner or operator shall notify the Administrator in writing of the date of the performance evaluation at least 60 calendar days before the evaluation is scheduled to begin;

(2) A notification that COMS data results will be used to determine compliance with the applicable opacity emission standard during a performance test required by §63.7 in lieu of Method 9 or other opacity emissions test method data, as allowed by §63.6(h)(7)(ii), if compliance with an opacity emission standard is required for the source by a relevant standard. The notification shall be submitted at least 60 calendar days before the performance test is scheduled to begin; and

(3) A notification that the criterion necessary to continue use of an alternative to relative accuracy testing, as provided by §63.8(f)(6), has been exceeded. The notification shall be delivered or postmarked not later than 10 days after the

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occurrence of such exceedance, and it shall include a description of the nature and cause of the increased emissions.

(h) Notification of compliance status. (1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2)(i) Before a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit to the Administrator a notification of compliance status, signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard. The notification shall list—

(A) The methods that were used to determine compliance;

(B) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

(C) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

(D) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(E) If the relevant standard applies to both major and area sources, an analysis demonstrating whether the affected source is a major source (using the emissions data generated for this notification);

(F) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(G) A statement by the owner or operator of the affected existing, new, or reconstructed source as to whether the source has complied with the relevant standard or other requirements.

(ii) The notification must be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration activity specified in the relevant standard (unless a different reporting period is specified in the standard, in which case the letter must be sent before the close of business on the day the report of the relevant testing or monitoring results is required to be delivered or postmarked). For example, the notification shall be sent before close of business on the 60th (or other required) day following completion of the initial performance test and again before the close of business on the 60th (or other required) day following the completion of any subsequent required performance test. If no performance test is required but opacity or visible emission observations are required to demonstrate compliance with an opacity or visible emission standard under this part, the notification of compliance status shall be sent before close of business on the 30th day following the completion of opacity or visible emission observations. Notifications may be combined as long as the due date requirement for each notification is met.

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) If an owner or operator of an affected source submits estimates or preliminary information in the application for approval of construction or reconstruction required in §63.5(d) in place of the actual emissions data or control efficiencies required in paragraphs (d)(1)(ii)(H) and (d)(2) of §63.5, the owner or operator shall submit the actual emissions data and other correct information as soon as available but no later than with the initial notification of compliance status required in this section.

(6) Advice on a notification of compliance status may be obtained from the Administrator.

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(i) Adjustment to time periods or postmark deadlines for submittal and review of required communications. (1)(i) Until an adjustment of a time period or postmark deadline has been approved by the Administrator under paragraphs (i)(2) and (i)(3) of this section, the owner or operator of an affected source remains strictly subject to the requirements of this part.

(ii) An owner or operator shall request the adjustment provided for in paragraphs (i)(2) and (i)(3) of this section each time he or she wishes to change an applicable time period or postmark deadline specified in this part.

(2) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. An owner or operator who wishes to request a change in a time period or postmark deadline for a particular requirement shall request the adjustment in writing as soon as practicable before the subject activity is required to take place. The owner or operator shall include in the request whatever information he or she considers useful to convince the Administrator that an adjustment is warranted.

(3) If, in the Administrator's judgment, an owner or operator's request for an adjustment to a particular time period or postmark deadline is warranted, the Administrator will approve the adjustment. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an adjustment within 15 calendar days of receiving sufficient information to evaluate the request.

(4) If the Administrator is unable to meet a specified deadline, he or she will notify the owner or operator of any significant delay and inform the owner or operator of the amended schedule.

(j) Change in information already provided. Any change in the information already provided under this section shall be provided to the Administrator in writing within 15 calendar days after the change.

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10021]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**How do I demonstrate continuous compliance with the emission limitations, operating limits, and work practice standards?**

(a)-(d) [See VII. Additional Requirements for this source group.]

(e) [See VI. Work Practice Requirements for this source group.]

(f) You must submit the applicable reports and notifications required under 40 CFR 63.10031(a) through (k) to the Administrator electronically, using EPA's Emissions Collection and Monitoring Plan System (ECMPS) Client Tool. If the final date of any time period (or any deadline) for any of these submissions falls on a weekend or a Federal holiday, the time period shall be extended to the next business day. Moreover, if the EPA Host System supporting the ECMPS Client Tool is offline and unavailable for submission of reports for any part of a day when a report would otherwise be due, the deadline for reporting is automatically extended until the first business day on which the system becomes available following the outage. Use of the ECMPS Client Tool to submit a report or notification required under this subpart satisfies any requirement under subpart A of this part to submit that same report or notification (or the information contained in it) to the appropriate EPA Regional office or state agency whose delegation request has been approved.

(g) You must report each instance in which you did not meet an applicable emissions limit or operating limit in Tables 1 through 4 to this subpart or failed to conduct a required tune-up. These instances are deviations from the requirements of this subpart. These deviations must be reported according to §63.10031.

(h) [See VI. Work Practice Requirements for this source group.]

(i) If you are relying on paragraph 2 of the definition of startup in 40 CFR 63.10042, you must provide reports concerning activities and periods of startup and shutdown that occur on or prior to January 1, 2024, in accordance with 40 CFR 63.10031(c)(5), in your semiannual compliance report. For startup and shutdown incidents that occur on and after January 1, 2024, you must provide the applicable information referenced in 40 CFR 63.10031(c)(5)(ii) and 40 CFR 63.10020(e) quarterly, in PDF files, in accordance with 40 CFR 63.10031(i).

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[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 78 FR 24086, Apr. 24, 2013; 79 FR 68791, Nov. 19, 2014; 81 FR 20187, Apr. 6, 2016; 82 FR 16739, Apr. 6, 2017; 83 FR 30883, July 2, 2018; 85 FR 55759, Sept. 9, 2020]

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10030]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What notifications must I submit and when?**

(a) You must submit all of the notifications in §§63.7(b) and (c), 63.8 (e), (f)(4) and (6), and 63.9 (b) through (h) that apply to you by the dates specified.

(b) As specified in §63.9(b)(2), if you startup your EGU that is an affected source before April 16, 2012, you must submit an Initial Notification not later than 120 days after April 16, 2012.

(c) Not applicable.

(d) When you are required to conduct a performance test, you must submit a Notification of Intent to conduct a performance test at least 30 days before the performance test is scheduled to begin.

(e) When you are required to conduct an initial compliance demonstration as specified in §63.10011(a), you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). The Notification of Compliance Status report must contain all of the information specified in paragraphs (e)(1) through (8) of this section, that applies to your initial compliance strategy.

(1) A description of the affected source(s), including identification of the subcategory of the source, the design capacity of the source, a description of the add-on controls used on the source, description of the fuel(s) burned, including whether the fuel(s) were determined by you or EPA through a petition process to be a non-waste under 40 CFR 241.3, whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR 241.3, and justification for the selection of fuel(s) burned during the performance test.

(2) Summary of the results of all performance tests and fuel analyses and calculations conducted to demonstrate initial compliance including all established operating limits.

(3) Identification of whether you plan to demonstrate compliance with each applicable emission limit through performance testing; fuel moisture analyses; performance testing with operating limits (e.g., use of PM CPMS); CEMS; or a sorbent trap monitoring system.

(4) Identification of whether you plan to demonstrate compliance by emissions averaging.

(5) A signed certification that you have met all applicable emission limits and work practice standards.

(6) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a brief description of the deviation, the duration of the deviation, emissions point identification, and the cause of the deviation in the Notification of Compliance Status report.

(7) Except for requests to switch from one emission limit to another, as provided in paragraph (e)(7)(iii) of this section, your initial notification of compliance status shall also include the following information:

(i) [Reserved]

(ii) Certifications of compliance, as applicable, and must be signed by a responsible official stating:

(A) “This EGU complies with the requirements in §63.10021(a) to demonstrate continuous compliance.” and

(B) “No secondary materials that are solid waste were combusted in any affected unit.”

(iii) For each of your existing EGUs, identification of each emissions limit specified in Table 2 to this subpart with which you plan to comply initially. (Note: If, at some future date, you wish to switch from the limit specified in your initial notification of compliance status, you must follow the procedures and meet the conditions of paragraphs (e)(7)(iii)(A) through (C) of this

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section).

(A) You may switch from a mass per heat input to a mass per gross output limit (or vice-versa), provided that:

(1) You submit a request that identifies for each EGU or EGU emissions averaging group involved in the proposed switch both the current and proposed emission limit;

(2) Your request arrives to the Administrator at least 30 calendar days prior to the date that the switch is proposed to occur;

(3) Your request includes performance stack test results or valid CMS data, obtained within 45 days prior to the date of your submission, demonstrating that each EGU or EGU emissions averaging group is in compliance with both the mass per heat input limit and the mass per gross output limit;

(4) You revise and submit all other applicable plans, e.g., monitoring and emissions averaging, with your request; and

(5) You maintain records of all information regarding your choice of emission limits.

(B) You must begin to use the revised emission limits starting in the next reporting period, after receipt of written acknowledgement from the Administrator of the switch.

(C) From submission of your request until start of the next reporting period after receipt of written acknowledgement from the Administrator of the switch, you must demonstrate compliance with both the mass per heat input and mass per gross output emission limits for each pollutant for each EGU or EGU emissions averaging group.

(8) Identification of whether you plan to rely on paragraph (1) or (2) of the definition of “startup” in §63.10042.

(i)-(ii) Not applicable.

(iii) You may switch from paragraph (1) of the definition of “startup” in §63.10042 to paragraph (2) of the definition of “startup” (or vice-versa), provided that:

(A) You submit a request that identifies for each EGU or EGU emissions averaging group involved in the proposed switch both the current definition of “startup” relied on and the proposed definition you plan to rely on;

(B) Your request arrives to the Administrator at least 30 calendar days prior to the date that the switch is proposed to occur;

(C) You revise and submit all other applicable plans, e.g., monitoring and emissions averaging, with your submission;

(D) You maintain records of all information regarding your choice of the definition of “startup”; and

(E) You begin to use the revised definition of “startup” in the next reporting period after receipt of written acknowledgement from the Administrator of the switch.

(f) You must submit the notifications in §63.10000(h)(2) and (i)(2) that may apply to you by the dates specified.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 78 FR 24087, Apr. 24, 2013; 79 FR 68791, Nov. 19, 2014; 81 FR 20187, Apr. 6, 2016; 85 FR 55760, Sept. 9, 2020]

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10031]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What reports must I submit and when?**

(a) You must submit each report in this section that applies to you.

(1) If you are required to (or elect to) monitor Hg emissions continuously, you must meet the electronic reporting requirements of appendix A to this subpart.

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(2) If you elect to monitor HCl and/or HF emissions continuously, you must meet the electronic reporting requirements of appendix B to this subpart. Notwithstanding this requirement, if you opt to certify your HCl monitor according to Performance Specification 18 in appendix B to part 60 of this chapter and to use Procedure 6 in appendix F to part 60 of this chapter for on-going QA of the monitor, then, on and prior to December 31, 2023, report only hourly HCl emissions data and the results of daily calibration drift tests and relative accuracy test audits (RATAs) performed on or prior to that date; keep records of all of the other required certification and QA tests and report them, starting in 2024.

(3) If you elect to monitor filterable PM emissions continuously, you must meet the electronic reporting requirements of appendix C to this subpart. Electronic reporting of hourly PM emissions data shall begin with the later of the first operating hour on or after January 1, 2024; or the first operating hour after completion of the initial PM CEMS correlation test.

(4) If you elect to demonstrate continuous compliance using a PM CPMS, you must meet the electronic reporting requirements of appendix D to this subpart. Electronic reporting of the hourly PM CPMS output shall begin with the later of the first operating hour on or after January 1, 2024; or the first operating hour after completion of the initial performance stack test that establishes the operating limit for the PM CPMS.

(5) If you elect to monitor SO2 emission rate continuously as a surrogate for HCl, you must use the ECMPS Client Tool to submit the following information to EPA (except where it is already required to be reported or has been previously provided under the Acid Rain Program or another emissions reduction program that requires the use of part 75 of this chapter):

(i) Monitoring plan information for the SO2 CEMS and for any additional monitoring systems that are required to convert SO2 concentrations to units of the emission standard, in accordance with sections 75.62 and 75.64(a)(4) of this chapter;

(ii) Certification, recertification, quality-assurance, and diagnostic test results for the SO2 CEMS and for any additional monitoring systems that are required to convert SO2 concentrations to units of the emission standard, in accordance with section 75.64(a)(5); and

(iii) Quarterly electronic emissions reports. You must submit an electronic quarterly report within 30 days after the end of each calendar quarter, starting with a report for the calendar quarter in which the initial 30 boiler operating day performance test begins. Each report must include the following information:

(A) The applicable operating data specified in section 75.57(b) of this chapter;

(B) An hourly data stream for the unadjusted SO2 concentration (in ppm, rounded to one decimal place), and separate unadjusted hourly data streams for the other parameters needed to convert the SO2 concentrations to units of the standard. (Note: If a default moisture value is used in the emission rate calculations, an hourly data stream is not required for moisture; rather, the default value must be reported in the electronic monitoring plan.);

(C) An hourly SO2 emission rate data stream, in units of the standard (i.e., lb/MMBtu or lb/MWh, as applicable), calculated according to 40 CFR 63.10007(e) and (f)(1), rounded to the same precision as the emission standard (i.e., with one leading non-zero digit and one decimal place), expressed in scientific notation. Use the following rounding convention: If the digit immediately following the first decimal place is 5 or greater, round the first decimal place upward (increase it by one); if the digit immediately following the first decimal place is 4 or less, leave the first decimal place unchanged;

(D) The results of all required daily quality-assurance tests of the SO2 monitor and the additional monitors used to convert SO2 concentration to units of the standard, as specified in appendix B to part 75 of this chapter; and

(E) A compliance certification, which includes a statement, based on reasonable inquiry of those persons with primary responsibility for ensuring that all SO2 emissions from the affected EGUs under this subpart have been correctly and fully monitored, by a responsible official with that official's name, title, and signature, certifying that, to the best of his or her knowledge, the report is true, accurate, and complete. You must submit such a compliance certification statement in support of each quarterly report.

(b) You must submit semiannual compliance reports according to the requirements in paragraphs (b)(1) through (5) of this section.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for your affected

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source in 40 CFR 63.9984 (or, if applicable, the extended compliance date approved under 40 CFR 63.6(i)(4)) and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in 40 CFR 63.9984 (or, if applicable, the extended compliance date approved under 40 CFR 63.6(i)(4)).

(2) The first compliance report must be submitted electronically no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in 40 CFR 63.9984 (or, if applicable, the extended compliance date approved under 40 CFR 63.6(i)(4)).

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) Each subsequent compliance report must be submitted electronically no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), through the reporting period that ends December 31, 2023, you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(6) The final semiannual compliance report shall cover the reporting period from July 1, 2023, through December 31, 2023. Quarterly compliance reports shall be submitted thereafter, in accordance with paragraph (g) of this section, starting with a report covering the first calendar quarter of 2024.

(c) The semiannual compliance report must contain the information required in paragraphs (c)(1) through (10) of this section.

(1) The information required by the summary report located in 63.10(e)(3)(vi).

(2) The total fuel use by each affected source subject to an emission limit, for each calendar month within the semiannual reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure.

(3) Indicate whether you burned new types of fuel during the reporting period. If you did burn new types of fuel you must include the date of the performance test where that fuel was in use.

(4) Include the date of the most recent tune-up for each EGU. The date of the tune-up is the date the tune-up provisions specified in §63.10021(e)(6) and (7) were completed.

(5)-(6) Not applicable.

(7) A summary of the results of the annual performance tests and documentation of any operating limits that were reestablished during the test, if applicable. If you are conducting stack tests once every 3 years to maintain LEE status, consistent with §63.10006(b), the date of each stack test conducted during the previous 3 years, a comparison of emission level you achieved in each stack test conducted during the previous 3 years to the 50 percent emission limit threshold required in §63.10005(h)(1)(i), and a statement as to whether there have been any operational changes since the last stack test that could increase emissions.

(8) A certification.

(9) If you have a deviation from any emission limit, work practice standard, or operating limit, you must also submit a brief description of the deviation, the duration of the deviation, emissions point identification, and the cause of the deviation.

(10) If you had any process or control equipment malfunction(s) during the reporting period, you must include the number, duration, and a brief description for each type of malfunction which occurred during the semiannual reporting period which

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caused or may have caused any applicable emission limitation to be exceeded.

(d) Not applicable.

(e) Each affected source that has obtained a title V operating permit pursuant to part 70 or part 71 of this chapter must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a semiannual compliance report pursuant to paragraphs (c) and (d) of this section, or two quarterly compliance reports covering the appropriate calendar half pursuant to paragraph (g) of this section, along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the compliance report(s) includes all required information concerning deviations from any emission limit, operating limit, or work practice requirement in this subpart, submission of the compliance report(s) satisfies any obligation to report the same deviations in the semiannual monitoring report. Submission of the compliance report(s) does not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(f) For each performance stack test completed prior to January 1, 2024, (including 30- (or 90-) boiler operating day Hg LEE demonstration tests and PM tests to establish operating limits for PM CPMS), you must submit a PDF test report in accordance with paragraph (f)(6) of this section, no later than 60 days after the date on which the testing is completed. For each test completed on or after January 1, 2024, in accordance with 40 CFR 63.10031(g), submit the applicable reference method information in sections 17 through 31 of appendix E to this subpart along with the quarterly compliance report for the calendar quarter in which the test was completed.

(1) For each RATA of an Hg, HCl, HF, or SO2 monitoring system completed prior to January 1, 2024, and for each PM CEMS correlation test, each relative response audit (RRA) and each response correlation audit (RCA) of a PM CEMS completed prior to that date, you must submit a PDF test report in accordance with paragraph (f)(6) of this section, no later than 60 days after the date on which the test is completed. For each SO2 or Hg RATA completed on or after January 1, 2024, you must submit the applicable reference method information in sections 17 through 31 of appendix E to this subpart prior to or concurrent with the relevant quarterly emissions report. For HCl or HF RATAs, and for correlation tests, RRAs, and RCAs of PM CEMS that are completed on or after January 1, 2024, submit the appendix E reference method information together with the summarized electronic test results, in accordance with section 11.4 of appendix B to this subpart or section 7.2.4 of appendix C to this part, as applicable.

(2) Not applicable.

(3) [Reserved]

(4) You must submit semiannual compliance reports as required under paragraphs (b) through (d) of this section, ending with a report covering the semiannual period from July 1 through December 31, 2023, and Notifications of Compliance Status as required under section 63.10030(e), as PDF files. Quarterly compliance reports shall be submitted in XML format thereafter, in accordance with paragraph (g) of this section, starting with a report covering the first calendar quarter of 2024.

(5) All reports required by this subpart not subject to the requirements in paragraphs (f) introductory text and (f)(1) through (4) of this section must be sent to the Administrator at the appropriate address listed in §63.13. If acceptable to both the Administrator and the owner or operator of an EGU, these reports may be submitted on electronic media. The Administrator retains the right to require submittal of reports subject to paragraphs (f) introductory text and (f)(1) through (4) of this section in paper format.

(6) All reports and notifications described in paragraphs (f) introductory text, (f)(1), (2), and (4) of this section shall be submitted to the EPA in the specified format and at the specified frequency, using the ECMPS Client Tool. Each PDF version of a stack test report, CEMS RATA report, PM CEMS correlation test report, RRA report, and RCA report must include sufficient information to assess compliance and to demonstrate that the reference method testing was done properly. Note that EPA will continue to accept, as necessary, PDF reports that are being phased out at the end of 2023, if the submission deadlines for those reports extend beyond December 31, 2023. The following data elements must be entered into the ECMPS Client Tool at the time of submission of each PDF file:

(i) The facility name, physical address, mailing address (if different from the physical address), and county;

(ii) The ORIS code (or equivalent ID number assigned by EPA's Clean Air Markets Division (CAMD)) and the Facility Registry

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System (FRS) ID;

(iii) The EGU (or EGUs) to which the report applies. Report the EGU IDs as they appear in the CAMD Business System;

(iv) If any of the EGUs in paragraph (f)(6)(iii) of this section share a common stack, indicate which EGUs share the stack. If emissions data are monitored and reported at the common stack according to part 75 of this chapter, report the ID number of the common stack as it is represented in the electronic monitoring plan required under §75.53 of this chapter;

(v) If any of the EGUs described in paragraph (f)(6)(iii) of this section are in an averaging plan under §63.10009, indicate which EGUs are in the plan and whether it is a 30- or 90-day averaging plan;

(vi) The identification of each emission point to which the report applies. An “emission point” is a point at which source effluent is released to the atmosphere, and is either a dedicated stack that serves one of the EGUs identified in paragraph (f)(6)(iii) of this section or a common stack that serves two or more of those EGUs. To identify an emission point, associate it with the EGU or stack ID in the CAMD Business system or the electronic monitoring plan (e.g., “Unit 2 stack,” “common stack CS001,” or “multiple stack MS001”);

(vii) An indication of the type of PDF report or notification being submitted;

(viii) The pollutant(s) being addressed in the report;

(ix) The reporting period being covered by the report (if applicable);

(x) The relevant test method that was performed for a performance test (if applicable);

(xi) The date the performance test was completed (if applicable) and the test number (if applicable); and

(xii) The responsible official's name, title, and phone number.

(g) Starting with a report for the first calendar quarter of 2024, you must use the ECMPS Client Tool to submit quarterly electronic compliance reports. Each quarterly compliance report shall include the applicable data elements in sections 2 through 13 of appendix E to this subpart. For each stack test summarized in the compliance report, you must also submit the applicable reference method information in sections 17 through 31 of appendix E to this subpart. The compliance reports and associated appendix E information must be submitted no later than 60 days after the end of each calendar quarter.

(h) On and after January 1, 2024, initial Notifications of Compliance Status (if any) shall be submitted in accordance with 40 CFR 63.9(h)(2)(ii), as PDF files, using the ECMPS Client Tool. The applicable data elements in paragraphs (f)(6)(i) through (xii) of this section must be entered into ECMPS with each Notification.

(i) If you have elected to use paragraph (2) of the definition of “startup” in 40 CFR 63.10042, then, for startup and shutdown incidents that occur on or prior to December 31, 2023, you must include the information in 40 CFR 63.10031(c)(5) in the semiannual compliance report, in a PDF file. If you have elected to use paragraph (2) of the definition of “startup” in 40 CFR 63.10042, then, for startup and shutdown event(s) that occur on or after January 1, 2024, you must use the ECMPS Client Tool to submit the information in 40 CFR 63.10031(c)(5) and 40 CFR 63.10020(e) along with each quarterly compliance report, in a PDF file, starting with a report for the first calendar quarter of 2024. The applicable data elements in paragraphs (f)(6)(i) through (xii) of this section must be entered into ECMPS with each startup and shutdown report.

(j) Not applicable.

(k) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 79 FR 68791, Nov. 19, 2014; 79 FR 68799, Nov. 19, 2014; 80 FR 15514, Mar. 24, 2015; 81 FR 20188, Apr. 6, 2016; 82 FR 16739, Apr. 6, 2017; 83 FR 30883, July 2, 2018; 85 FR 55760, Sept. 9, 2020]

## SECTION E. Source Group Restrictions.

**# 022 [40 CFR Part 63 NESHAPS for Source Categories §Table 8 to Subpart UUUUU]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Reporting Requirements**

[In accordance with 40 CFR 63.10031, you must meet the following reporting requirements, as they apply to your compliance strategy]

You must submit the following reports...

1. The electronic reports required under 40 CFR 63.10031 (a)(1), if you continuously monitor Hg emissions.

2. The electronic reports required under 40 CFR 63.10031 (a)(2), if you continuously monitor HCl and/or HF emissions.
Where applicable, these reports are due no later than 30 days after the end of each calendar quarter.

3. The electronic reports required under 40 CFR 63.10031(a)(3), if you continuously monitor PM emissions.
Reporting of hourly PM emissions data using ECMPS shall begin with the first operating hour after: January 1, 2024, or the hour of completion of the initial PM CEMS correlation test, whichever is later.
Where applicable, these reports are due no later than 30 days after the end of each calendar quarter.

4. The electronic reports required under 40 CFR 63.10031(a)(4), if you elect to use a PM CPMS.
Reporting of hourly PM CPMS response data using ECMPS shall begin with the first operating hour after January 1, 2024, or the first operating hour after completion of the initial performance stack test that establishes the operating limit for the PM CPMS, whichever is later.
Where applicable, these reports are due no later than 30 days after the end of each calendar quarter.

5. The electronic reports required under 40 CFR 63.10031(a)(5), if you continuously monitor SO2 emissions.
Where applicable, these reports are due no later than 30 days after the end of each calendar quarter.

6. PDF reports for all performance stack tests completed prior to January 1, 2024 (including 30- or 90-boiler operating day Hg LEE test reports and PM test reports to set operating limits for PM CPMS), according to the introductory text of 40 CFR 63.10031(f) and 40 CFR 63.10031(f)(6).
For each test, submit the PDF report no later than 60 days after the date on which testing is completed.
For a PM test that is used to set an operating limit for a PM CPMS, the report must also include the information in 40 CFR 63.10023(b)(2)(vi).
For each performance stack test completed on or after January 1, 2024, submit the test results in the relevant quarterly compliance report under 40 CFR 63.10031(g), together with the applicable reference method information in sections 17 through 31 of appendix E to this subpart.

7. PDF reports for all RATAs of Hg, HCl, HF, and/or SO2 monitoring systems completed prior to January 1, 2024, and for correlation tests, RRAs and/or RCAs of PM CEMS completed prior to January 1, 2024, according to 40 CFR 63.10031(f)(1) and (6).
For each test, submit the PDF report no later than 60 days after the date on which testing is completed.
For each SO2 or Hg system RATA completed on or after January 1, 2024, submit the electronic test summary required by appendix A to this subpart or part 75 of this chapter (as applicable) together with the applicable reference method information in sections 17 through 30 of appendix E to this subpart, either prior to or concurrent with the relevant quarterly emissions report.
For each HCl or HF system RATA, and for each correlation test, RRA, and RCA of a PM CEMS completed on or after January 1, 2024, submit the electronic test summary in accordance with section 11.4 of appendix B to this subpart or section 7.2.4 of appendix C to this part, as applicable, together with the applicable reference method information in sections 17 through 30 of appendix E to this subpart.

8. Quarterly reports, in PDF files, that include all 30-boiler operating day rolling averages in the reporting period derived from your PM CEMS, approved HAP metals CEMS, and/or PM CPMS, according to 40 CFR 63.10031(f)(2) and (6). These reports are due no later than 60 days after the end of each calendar quarter.
The final quarterly rolling averages report in PDF files shall cover the fourth calendar quarter of 2023.
Starting with the first quarter of 2024, you must report all 30-boiler operating day rolling averages for PM CEMS, approved HAP metals CEMS, PM CPMS, Hg CEMS, Hg sorbent trap systems, HCl CEMS, HF CEMS, and/or SO2 CEMS (or 90-boiler

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operating day rolling averages for Hg systems), in XML format, in the quarterly compliance reports required under 40 CFR 63.10031(g).
If your EGU or common stack is in an averaging plan, each quarterly compliance report must identify the EGUs in the plan and include all of the 30- or 90- group boiler operating day WAERs for the averaging group.
The quarterly compliance reports must be submitted no later than 60 days after the end of each calendar quarter.

9. The semiannual compliance reports described in 40 CFR 63.10031(c) and (d), in PDF files, according to 40 CFR 63.10031(f)(4) and (6). The due dates for these reports are specified in 40 CFR 63.10031(b).
The final semiannual compliance report shall cover the period from July 1, 2023, through December 31, 2023.

10. Notifications of compliance status, in PDF files, according to 40 CFR 63.10031(f)(4) and (6) until December 31, 2023, and according to 40 CFR 63.10031(h) thereafter.

11. Quarterly electronic compliance reports, in accordance with 40 CFR 63.10031(g), starting with a report for the first calendar quarter of 2024. The reports must be in XML format and must include the applicable data elements in sections 2 through 13 of appendix E to this subpart.
These reports are due no later than 60 days after the end of each calendar quarter.

12-14. Not applicable.

[85 FR 55764, Sept. 9, 2020]

### VI. WORK PRACTICE REQUIREMENTS.

**# 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10021]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**How do I demonstrate continuous compliance with the emission limitations, operating limits, and work practice standards?**

(a)-(d) [See VII. Additional Requirements for this source group.]

(e) Conduct periodic performance tune-ups of your EGU(s), as specified in paragraphs (e)(1) through (9) of this section. For your first tune-up, you may perform the burner inspection any time prior to the tune-up or you may delay the first burner inspection until the next scheduled EGU outage provided you meet the requirements of §63.10005. Subsequently, you must perform an inspection of the burner at least once every 36 calendar months unless your EGU employs neural network combustion optimization during normal operations in which case you must perform an inspection of the burner and combustion controls at least once every 48 calendar months. If your EGU is offline when a deadline to perform the tune-up passes, you shall perform the tune-up work practice requirements within 30 days after the re-start of the affected unit.

(1) As applicable, inspect the burner and combustion controls, and clean or replace any components of the burner or combustion controls as necessary upon initiation of the work practice program and at least once every required inspection period. Repair of a burner or combustion control component requiring special order parts may be scheduled as follows:

(i) Burner or combustion control component parts needing replacement that affect the ability to optimize NOX and CO must be installed within 3 calendar months after the burner inspection,

(ii) Burner or combustion control component parts that do not affect the ability to optimize NOX and CO may be installed on a schedule determined by the operator;

(2) As applicable, inspect the flame pattern and make any adjustments to the burner or combustion controls necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available, or in accordance with best combustion engineering practice for that burner type;

(3) As applicable, observe the damper operations as a function of mill and/or cyclone loadings, cyclone and pulverizer coal feeder loadings, or other pulverizer and coal mill performance parameters, making adjustments and effecting repair to dampers, controls, mills, pulverizers, cyclones, and sensors;

(4) As applicable, evaluate windbox pressures and air proportions, making adjustments and effecting repair to dampers,

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actuators, controls, and sensors;

(5) Inspect the system controlling the air-to-fuel ratio and ensure that it is correctly calibrated and functioning properly. Such inspection may include calibrating excess O2 probes and/or sensors, adjusting overfire air systems, changing software parameters, and calibrating associated actuators and dampers to ensure that the systems are operated as designed. Any component out of calibration, in or near failure, or in a state that is likely to negate combustion optimization efforts prior to the next tune-up, should be corrected or repaired as necessary;

(6) Optimize combustion to minimize generation of CO and NOX. This optimization should be consistent with the manufacturer's specifications, if available, or best combustion engineering practice for the applicable burner type. NOX optimization includes burners, overfire air controls, concentric firing system improvements, neural network or combustion efficiency software, control systems calibrations, adjusting combustion zone temperature profiles, and add-on controls such as SCR and SNCR; CO optimization includes burners, overfire air controls, concentric firing system improvements, neural network or combustion efficiency software, control systems calibrations, and adjusting combustion zone temperature profiles;

(7) While operating at full load or the predominantly operated load, measure the concentration in the effluent stream of CO and NOX in ppm, by volume, and oxygen in volume percent, before and after the tune-up 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). You may use portable CO, NOX and O2 monitors for this measurement. EGU's employing neural network optimization systems need only provide a single pre- and post-tune-up value rather than continual values before and after each optimization adjustment made by the system;

(8) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (e)(1) through (e)(9) of this section including:

(i) The concentrations of CO and NOX in the effluent stream in ppm by volume, and oxygen in volume percent, measured before and after an adjustment of the EGU combustion systems;

(ii) A description of any corrective actions taken as a part of the combustion adjustment; and

(iii) The type(s) and amount(s) of fuel used over the 12 calendar months prior to an adjustment, but only if the unit was physically and legally capable of using more than one type of fuel during that period; and

(9) Prior to January 1, 2024, report the tune-up date electronically, in a PDF file, in your semiannual compliance report, as specified in 40 CFR 63.10031(f)(4) and (6) and, if requested by the Administrator, in hard copy, as specified in 40 CFR 63.10031(f)(5). On and after January 1, 2024, report the tune-up date electronically in your quarterly compliance report, in accordance with 40 CFR 63.10031(g) and section 10.2 of appendix E to this subpart. The tune-up report date is the date when tune-up requirements in paragraphs (e)(6) and (7) of this section are completed.

(f)-(g) [See V. Reporting Requirements for this source group.]

(h) You must follow the startup or shutdown requirements as given in Table 3 to this subpart for each coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGU.

(1) You may use the diluent cap and default gross output values, as described in §63.10007(f), during startup periods or shutdown periods.

(2) You must operate all CMS, collect data, calculate pollutant emission rates, and record data during startup periods or shutdown periods.

(3) [Reserved]

(4) You may choose to submit an alternative non-opacity emission standard, in accordance with the requirements contained in §63.10011(g)(4). Until promulgation in the Federal Register of the final alternative non-opacity emission standard, you shall comply with paragraph (1) of the definition of “startup” in §63.10042.

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(i) [See V. Reporting Requirements for this source group.]

**# 024 [40 CFR Part 63 NESHAPS for Source Categories §Table 3 to Subpart UUUUU of Part 63]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Work Practice Standards**

As stated in §§63.9991, you must comply with the following applicable work practice standards:

If your EGU is . . .

1. An existing EGU, you must conduct a tune-up of the EGU burner and combustion controls at least each 36 calendar months, or each 48 calendar months if neural network combustion optimization software is employed, as specified in §63.10021(e).

2. Not applicable.

3. A coal-fired, liquid oil-fired (excluding limited-use liquid oil-fired subcategory units), or solid oil-derived fuel-fired EGU during startup, you must:

a. You have the option of complying using either of the following work practice standards:

(1) If you choose to comply using paragraph (1) of the definition of "startup" in §63.10042, you must operate all CMS during startup. Startup means either the first-ever firing of fuel in a boiler for the purpose of producing electricity, or the firing of fuel in a boiler after a shutdown event for any purpose. Startup ends when any of the steam from the boiler is used to generate electricity for sale over the grid or for any other purpose (including on site use). For startup of a unit, you must use clean fuels as defined in §63.10042 for ignition. Once you convert to firing coal, residual oil, or solid oil-derived fuel, you must engage all of the applicable control technologies except dry scrubber and SCR. You must start your dry scrubber and SCR systems, if present, appropriately to comply with relevant standards applicable during normal operation. You must comply with all applicable emissions limits at all times except for periods that meet the applicable definitions of startup and shutdown in this subpart. You must keep records during startup periods. You must provide reports concerning activities and startup periods, as specified in §63.10011(g) and §63.10021(h) and (i). If you elect to use paragraph (2) of the definition of startup in 40 CFR 63.10042, you must report the applicable information in 40 CFR 63.10031(c)(5) concerning startup periods as follows: For startup periods that occur on or prior to December 31, 2023, in PDF files in the semiannual compliance report; for startup periods that occur on or after January 1, 2024, quarterly, in PDF files, according to 40 CFR 63.10031(i).

(2) If you choose to comply using paragraph (2) of the definition of "startup" in §63.10042, you must operate all CMS during startup. You must also collect appropriate data, and you must calculate the pollutant emission rate for each hour of startup.

For startup of an EGU, you must use one or a combination of the clean fuels defined in §63.10042 to the maximum extent possible, taking into account considerations such as boiler or control device integrity, throughout the startup period. You must have sufficient clean fuel capacity to engage and operate your PM control device within one hour of adding coal, residual oil, or solid oil-derived fuel to the unit. You must meet the startup period work practice requirements as identified in §63.10020(e).

Once you start firing coal, residual oil, or solid oil-derived fuel, you must vent emissions to the main stack(s). You must comply with the applicable emission limits beginning with the hour after startup ends. You must engage and operate your PM control(s) within 1 hour of first firing of coal, residual oil, or solid oil-derived fuel.

You must start all other applicable control devices as expeditiously as possible, considering safety and manufacturer/supplier recommendations, but, in any case, when necessary to comply with other standards made applicable to the EGU by a permit limit or a rule other than this subpart that require operation of the control devices.

b. Not applicable.

c. If you choose to use just one set of sorbent traps to demonstrate compliance with the applicable Hg emission limit, you must comply with the limit at all times; otherwise, you must comply with the applicable emission limit at all times except for

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startup and shutdown periods.

d. You must collect monitoring data during startup periods, as specified in §63.10020(a) and (e). You must keep records during startup periods, as provided in §§63.10021(h) and 63.10032. You must provide reports concerning activities and startup periods, as specified in §§63.10011(g), 63.10021(i), and 63.10031. If you elect to use paragraph (2) of the definition of startup in 40 CFR 63.10042, you must report the applicable information in 40 CFR 63.10031(c)(5) concerning startup periods as follows: For startup periods that occur on or prior to December 31, 2023, in PDF files in the semiannual compliance report; for startup periods that occur on or after January 1, 2024, quarterly, in PDF files, according to 40 CFR 63.10031(i).

4. A coal-fired, liquid oil-fired (excluding limited-use liquid oil-fired subcategory units), or solid oil-derived fuel-fired EGU during shutdown, you must:

You must operate all CMS during shutdown. You must also collect appropriate data, and you must calculate the pollutant emission rate for each hour of shutdown for those pollutants for which a CMS is used.
While firing coal, residual oil, or solid oil-derived fuel during shutdown, you must vent emissions to the main stack(s) and operate all applicable control devices and continue to operate those control devices after the cessation of coal, residual oil, or solid oil-derived fuel being fed into the EGU and for as long as possible thereafter considering operational and safety concerns. In any case, you must operate your controls when necessary to comply with other standards made applicable to the EGU by a permit limit or a rule other than this subpart and that require operation of the control devices.

If, in addition to the fuel used prior to initiation of shutdown, another fuel must be used to support the shutdown process, that additional fuel must be one or a combination of the clean fuels defined in §63.10042 and must be used to the maximum extent possible, taking into account considerations such as not compromising boiler or control device integrity.

Relative to the syngas not fired in the combustion turbine of an IGCC EGU during shutdown, you must either: (1) Flare the syngas, or (2) route the syngas to duct burners, which may need to be installed, and route the flue gas from the duct burners to the heat recovery steam generator.

You must comply with all applicable emission limits at all times except during startup periods and shutdown periods at which time you must meet this work practice. You must collect monitoring data during shutdown periods, as specified in §63.10020(a). You must keep records during shutdown periods, as provided in §§63.10032 and 63.10021(h). Any fraction of an hour in which shutdown occurs constitutes a full hour of shutdown. You must provide reports concerning activities and shutdown periods, as specified in §§63.10011(g), 63.10021(i), and 63.10031. If you elect to use paragraph (2) of the definition of startup in 40 CFR 63.10042, you must report the applicable information in 40 CFR 63.10031(c)(5) concerning shutdown periods as follows: For shutdown periods that occur on or prior to December 31, 2023, in PDF files in the semiannual compliance report; for shutdown periods that occur on or after January 1, 2024, quarterly, in PDF files, according to 40 CFR 63.10031(i).

[81 FR 20196, Apr. 6, 2016, as amended at 85 FR 55763, Sept. 9, 2020]

## VII. ADDITIONAL REQUIREMENTS.

**# 025 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10005]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What are my initial compliance requirements and by what date must I conduct them?**

(a) General requirements. For each of your affected EGUs, you must demonstrate initial compliance with each applicable emissions limit in Table 1 or 2 of this subpart through performance testing. Where two emissions limits are specified for a particular pollutant (e.g., a heat input-based limit in lb/MMBtu and a gross output-based limit in lb/MWh), you may demonstrate compliance with either emission limit. For a particular compliance demonstration, you may be required to conduct one or more of the following activities in conjunction with performance testing: collection of data, e.g., hourly gross output data (megawatts); establishment of operating limits according to §63.10011 and Tables 4 and 7 to this subpart; and CMS performance evaluations. In all cases, you must demonstrate initial compliance no later than the date in paragraph (f) of this section for tune-up work practices for existing EGUs; the date that compliance must be demonstrated, as given in §63.9984 for other requirements for existing EGUs; and in paragraph (g) of this section for all requirements for new EGUs.

(1) To demonstrate initial compliance with an applicable emissions limit in Table 1 or 2 to this subpart using stack testing, the initial performance test generally consists of three runs at specified process operating conditions using approved methods. If you are required to establish operating limits (see paragraph (d) of this section and Table 4 to this subpart), you must collect all applicable parametric data during the performance test period. Also, if you choose to comply with an

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electrical output-based emission limit, you must collect hourly electrical load data during the test period.

(2) To demonstrate initial compliance using either a CMS that measures HAP concentrations directly (i.e., an Hg, HCl, or HF CEMS, or a sorbent trap monitoring system) or an SO2 or PM CEMS, the initial performance test shall consist of 30- or, if applicable for Hg, 90-boiler operating days.If the CMS is certified prior to the compliance date (or, if applicable, the approved extended compliance date), the test shall begin with the first operating day on or after that date, except as otherwise provided in paragraph (b) of this section. If the CMS is not certified prior to the compliance date, the test shall begin with the first operating day after certification testing is successfully completed. In all cases, the initial 30- or 90- operating day averaging period must be completed on or before the date that compliance must be demonstrated (i.e., 180 days after the applicable compliance date).

(i) The CMS performance test must demonstrate compliance with the applicable Hg, HCl, HF, PM, or SO2 emissions limit in Table 1 or 2 to this subpart.

(ii) You must collect hourly data from auxiliary monitoring systems (i.e., stack gas flow rate, CO2, O2, or moisture, as applicable) during the performance test period, in order to convert the pollutant concentrations to units of the standard. If you choose to comply with a gross output-based emission limit, you must also collect hourly gross output data during the performance test period.

(iii) For a group of affected units that are in the same subcategory, are subject to the same emission standards, and share a common stack, if you elect to demonstrate compliance by monitoring emissions at the common stack, startup and shutdown emissions (if any) that occur during the 30-(or, if applicable, 90-) boiler operating day performance test must either be excluded from or included in the compliance demonstration as follows:

(A) If one of the units that shares the stack either starts up or shuts down at a time when none of the other units is operating, you must exclude all pollutant emission rates measured during the startup or shutdown period, unless you are using a sorbent trap monitoring system to measure Hg emissions and have elected to include startup and shutdown emissions in the compliance demonstrations;

(B) If all units that are currently operating are in the startup or shutdown mode, you must exclude all pollutant emission rates measured during the startup or shutdown period, unless you are using a sorbent trap monitoring system to measure Hg emissions and have elected to include startup and shutdown emissions in the compliance demonstrations; or

(C) If any unit starts up or shuts down at a time when another unit is operating, and the other unit is not in the startup or shutdown mode, you must include all pollutant emission rates measured during the startup or shutdown period in the compliance demonstrations.

(b) Performance testing requirements. If you choose to use performance testing to demonstrate initial compliance with the applicable emissions limits in Tables 1 and 2 to this subpart for your EGUs, you must conduct the tests according to 40 CFR 63.10007 and Table 5 to this subpart. Notwithstanding these requirements, when Table 5 specifies the use of isokinetic EPA test Method 5, 5D, 26A, or 29 for a stack test, if concurrent measurement of the stack gas flow rate or moisture content is needed to convert the pollutant concentrations to units of the standard, separate determination of these parameters using EPA test Method 2 or EPA test Method 4 is not necessary. Instead, the stack gas flow rate and moisture content can be determined from data that are collected during the EPA test Method 5, 5D, 6, 26A, or 29 test (e.g., pitot tube (delta P) readings, moisture collected in the impingers, etc.). For the purposes of the initial compliance demonstration, you may use test data and results from a performance test conducted prior to the date on which compliance is required as specified in 40 CFR 63.9984, provided that the following conditions are fully met:

(1) For a performance test based on stack test data, the test was conducted no more than 12 calendar months prior to the date on which compliance is required as specified in §63.9984;

(2) For a performance test based on data from a certified CEMS or sorbent trap monitoring system, the test consists of all valid CMS data recorded in the 30 boiler operating days immediately preceding that date;

(3) The performance test was conducted in accordance with all applicable requirements in §63.10007 and Table 5 to this subpart;

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(4) A record of all parameters needed to convert pollutant concentrations to units of the emission standard (e.g., stack flow rate, diluent gas concentrations, hourly gross outputs) is available for the entire performance test period; and

(5) For each performance test based on stack test data, you certify, and keep documentation demonstrating, that the EGU configuration, control devices, and fuel(s) have remained consistent with conditions since the prior performance test was conducted.

(6) For performance stack test data that are collected prior to the date that compliance must be demonstrated and are used to demonstrate initial compliance with applicable emissions limits, the interval for subsequent stack tests begins on the date that compliance must be demonstrated.

(c) Not applicable.

(d) CMS requirements. If, for a particular emission or operating limit, you are required to (or elect to) demonstrate initial compliance using a continuous monitoring system, the CMS must pass a performance evaluation prior to the initial compliance demonstration. If a CMS has been previously certified under another state or federal program and is continuing to meet the on-going quality-assurance (QA) requirements of that program, then, provided that the certification and QA provisions of that program meet the applicable requirements of §§63.10010(b) through (h), an additional performance evaluation of the CMS is not required under this subpart.

(1) For an affected coal-fired, solid oil-derived fuel-fired, or liquid oil-fired EGU, you may demonstrate initial compliance with the applicable SO2, HCl, or HF emissions limit in Table 1 or 2 to this subpart through use of an SO2, HCl, or HF CEMS installed and operated in accordance with part 75 of this chapter or appendix B to this subpart, as applicable. You may also demonstrate compliance with a filterable PM emission limit in Table 1 or 2 to this subpart through use of a PM CEMS installed, certified, and operated in accordance with §63.10010(i). Initial compliance is achieved if the arithmetic average of 30-boiler operating days of quality-assured CEMS data, expressed in units of the standard (see §63.10007(e)), meets the applicable SO2, PM, HCl, or HF emissions limit in Table 1 or 2 to this subpart. Use Equation 19-19 of Method 19 in appendix A-7 to part 60 of this chapter to calculate the 30-boiler operating day average emissions rate. (Note: For this calculation, the term Ehj in Equation 19-19 must be in the same units of measure as the applicable HCl or HF emission limit in Table 1 or 2 to this subpart).

(2)-(4) Not applicable.

(e) Tune-ups. All affected EGUs are subject to the work practice standards in Table 3 of this subpart. As part of your initial compliance demonstration, you must conduct a performance tune-up of your EGU according to §63.10021(e).

(f) For an existing EGU without a neural network, a tune-up, following the procedures in §63.10021(e), must occur within 6 months (180 days) after April 16, 2015. For an existing EGU with a neural network, a tune-up must occur within 18 months (545 days) after April 16, 2016. If a tune-up occurs prior to April 16, 2015, you must keep records showing that the tune-up met all rule requirements.

(g) Not applicable.

(h) Low emitting EGUs. The provisions of this paragraph (h) apply to pollutants with emissions limits from new EGUs except Hg and to all pollutants with emissions limits from existing EGUs. You may pursue this compliance option unless prohibited pursuant to §63.10000(c)(1)(i).

(1) An EGU may qualify for low emitting EGU (LEE) status for Hg, HCl, HF, filterable PM, total non-Hg HAP metals, or individual non-Hg HAP metals (or total HAP metals or individual HAP metals, for liquid oil-fired EGUs) if you collect performance test data that meet the requirements of this paragraph (h), and if those data demonstrate:

(i) For all pollutants except Hg, performance test emissions results less than 50 percent of the applicable emissions limits in Table 1 or 2 to this subpart for all required testing for 3 consecutive years; or

(ii) For Hg emissions from an existing EGU, either:

(A) Average emissions less than 10 percent of the applicable Hg emissions limit in Table 2 to this subpart (expressed

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either in units of lb/TBtu or lb/GWh); or

(B) Potential Hg mass emissions of 29.0 or fewer pounds per year and compliance with the applicable Hg emission limit in Table 2 to this subpart (expressed either in units of lb/TBtu or lb/GWh).

(2) For all pollutants except Hg, you must conduct all required performance tests described in §63.10007 to demonstrate that a unit qualifies for LEE status.

(i) When conducting emissions testing to demonstrate LEE status, you must increase the minimum sample volume specified in Table 1 or 2 nominally by a factor of two.

(ii) Follow the instructions in §63.10007(e) and Table 5 to this subpart to convert the test data to the units of the applicable standard.

(3)-(5) Not applicable.

(i) Not applicable.

(j) Startup and shutdown for coal-fired or solid oil derived-fired units. You must follow the requirements given in Table 3 to this subpart.

(k) You must submit a Notification of Compliance Status summarizing the results of your initial compliance demonstration, as provided in §63.10030.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23403, Apr. 19, 2012; 78 FR 24084, Apr. 24, 2013; 79 FR 68789, Nov. 19, 2014; 81 FR 20181, Apr. 6, 2016; 85 FR 55757, Sept. 9, 2020]

**# 026 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10011]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**How do I demonstrate initial compliance with the emissions limits and work practice standards?**

(a) You must demonstrate initial compliance with each emissions limit that applies to you by conducting performance testing.

(b) Not applicable.

(c)(1) If you use CEMS or sorbent trap monitoring systems to measure a HAP (e.g., Hg or HCl) directly, the initial performance test, shall consist of a 30-boiler operating day (or, for certain coal-fired, existing EGUs that use emissions averaging for Hg, a 90-boiler operating day) rolling average emissions rate obtained with a certified CEMS or sorbent trap system, expressed in units of the standard. If the monitoring system is certified prior to the applicable compliance date, the initial averaging period shall either begin with: The first boiler operating day on or after the compliance date; or 30 (or, if applicable, 90) boiler operating days prior to that date, as described in §63.10005(b). In all cases, the initial 30- or 90-boiler operating day averaging period must be completed on or before the date that compliance must be demonstrated, in accordance with §63.9984(f). Initial compliance is demonstrated if the results of the performance test meet the applicable emission limit in Table 1 or 2 to this subpart.

(2) Not applicable.

(d) For candidate LEE units, use the results of the performance testing described in §63.10005(h) to determine initial compliance with the applicable emission limit(s) in Table 1 or 2 to this subpart and to determine whether the unit qualifies for LEE status.

(e) You must submit a Notification of Compliance Status in accordance with 40 CFR 63.10031(f)(4) or (h), as applicable, containing the results of the initial compliance demonstration, as specified in 40 CFR 63.10030(e).

(f)(1) You must determine the fuel whose combustion produces the least uncontrolled emissions, i.e., the cleanest fuel, either natural gas or distillate oil, that is available on site or accessible nearby for use during periods of startup or

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shutdown.

(2) Your cleanest fuel, either natural gas or distillate oil, for use during periods of startup or shutdown determination may take safety considerations into account.

(g) You must follow the startup or shutdown requirements as established in Table 3 to this subpart for each coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGU.

(1) You may use the diluent cap and default gross output values, as described in §63.10007(f), during startup periods or shutdown periods.

(2) You must operate all CMS, collect data, calculate pollutant emission rates, and record data during startup periods or shutdown periods.

(3) You must report the emissions data recorded during startup and shutdown. If you are relying on paragraph (2) of the definition of startup in 40 CFR 63.10042, then for startup and shutdown incidents that occur on or prior to December 31, 2023, you must also report the applicable supplementary information in 40 CFR 63.10031(c)(5) in the semiannual compliance report. For startup and shutdown incidents that occur on or after January 1, 2024, you must provide the applicable information in 40 CFR 63.10031(c)(5)(ii) and 40 CFR 63.10020(e) quarterly, in PDF files, in accordance with 40 CFR 63.10031(i).

(4) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 79 FR 68790, Nov. 19, 2014; 81 FR 20186, Apr. 6, 2016; 85 FR 55759, Sept. 9, 2020]

**# 027 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10021]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**How do I demonstrate continuous compliance with the emission limitations, operating limits, and work practice standards?**

(a) You must demonstrate continuous compliance with each emissions limit, operating limit, and work practice standard in Tables 1 through 4 to this subpart that applies to you, according to the monitoring specified in Tables 6 and 7 to this subpart and paragraphs (b) through (g) of this section.

(b) Except as otherwise provided in §63.10020(c), if you use a CEMS to measure SO2, PM, HCl, HF, or Hg emissions, or using a sorbent trap monitoring system to measure Hg emissions, you must demonstrate continuous compliance by using all quality-assured hourly data recorded by the CEMS (or sorbent trap monitoring system) and the other required monitoring systems (e.g., flow rate, CO2, O2, or moisture systems) to calculate the arithmetic average emissions rate in units of the standard on a continuous 30-boiler operating day (or, if alternate emissions averaging is used for Hg, 90-boiler operating day) rolling average basis, updated at the end of each new boiler operating day. Use Equation 8 to determine the 30- (or, if applicable, 90-) boiler operating day rolling average.

[Please refer to §63.10021 under Title 40 - Protection of Environmental in www.ecfr.gov for Equation 8.]

(c) Not applicable.

(d) If you use quarterly performance testing to demonstrate compliance with one or more applicable emissions limits in Table 1 or 2 to this subpart, you

(1) May skip performance testing in those quarters during which less than 168 boiler operating hours occur, except that a performance test must be conducted at least once every calendar year.

(2) Must conduct the performance test as defined in Table 5 to this subpart and calculate the results of the testing in units of the applicable emissions standard; and

(3) Not applicable.

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(e) [See VI. Work Practice Requirements for this source group.]

(f)-(g) [See V. Reporting Requirements for this source group.]

(h) [See VI. Work Practice Requirements for this source group.]

(i) [See V. Reporting Requirements for this source group.]

**# 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10040]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What parts of the General Provisions apply to me?**

Table 9 to this subpart shows which parts of the General Provisions in § § 63.1 through 63.15 apply to you.

**# 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10041]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Who implements and enforces this subpart?**

(a) This subpart can be implemented and enforced by U.S. EPA, or a delegated authority such as your state, local, or tribal agency. If the EPA Administrator has delegated authority to your state, local, or tribal agency, then that agency (as well as the U.S. EPA) has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if this subpart is delegated to your state, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a state, local, or tribal agency under 40 CFR part 63, subpart E, the authorities listed in paragraphs (b)(1) through (4) of this section are retained by the EPA Administrator and are not transferred to the state, local, or tribal agency; moreover, the U.S. EPA retains oversight of this subpart and can take enforcement actions, as appropriate, with respect to any failure by any person to comply with any provision of this subpart.

(1) Approval of alternatives to the non-opacity emission limits and work practice standards in §63.9991(a) and (b) under §63.6(g).

(2) Approval of major change to test methods in Table 5 to this subpart under §63.7(e)(2)(ii) and (f) and as defined in §63.90, approval of minor and intermediate changes to monitoring performance specifications/procedures in Table 5 where the monitoring serves as the performance test method (see definition of “test method” in §63.2.

(3) Approval of major changes to monitoring under §63.8(f) and as defined in §63.90.

(4) Approval of major change to recordkeeping and reporting under §63.10(e) and as defined in §63.90.

**# 030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10042]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What definitions apply to this subpart?**

Terms used in this subpart are defined in the Clean Air Act (CAA), in §63.2 (the General Provisions), and in this section §63.10042.

**# 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Supart 63.9980]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What is the purpose of this subpart?**

This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from coal- and oil-fired electric utility steam generating units (EGUs) as defined in §63.10042 of this subpart. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations.

**# 032 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Supart 63.9981]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Am I subject to this subpart?**

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You are subject to this subpart if you own or operate a coal-fired EGU or an oil-fired EGU as defined in §63.10042 of this subpart.

**# 033 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Supart 63.9982]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What is the affected source of this subpart?**

(a) This subpart applies to each individual or group of two or more new, reconstructed, or existing affected source(s) as described in paragraphs (a)(1) and (2) of this section within a contiguous area and under common control.

(1) The affected source of this subpart is the collection of all existing coal- or oil-fired EGUs, as defined in §63.10042, within a subcategory.

(2) Not applicable.

(b)-(c) Not applicable.

(d) An EGU is existing if it is not new or reconstructed. An existing electric steam generating unit that meets the applicability requirements after April 16, 2012, due to a change in process (e.g., fuel or utilization) is considered to be an existing source under this subpart.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23402, Apr. 19, 2012; 78 FR 24084, Apr. 24, 2013; 85 FR 20850, Apr. 15, 2020]

**# 034 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Supart 63.9984]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**When do I have to comply with this subpart?**

(a) Not applicable.

(b) If you have an existing EGU, you must comply with this subpart no later than April 16, 2015, except as provided in paragraph (g) of this section.

(c) You must meet the notification requirements in §63.10030 according to the schedule in §63.10030 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.

(d)-(e) Not applicable.

(f) You must demonstrate that compliance has been achieved, by conducting the required performance tests and other activities, no later than 180 days after the applicable date in paragraph (a), (b), (c), (d), (e), or (g) of this section.

(g) If you own or operate an EGU that is in the Unit designed for eastern bituminous coal refuse (EBCR) subcategory as defined in §63.10042, you must comply with the applicable hydrogen chloride (HCl) or sulfur dioxide (SO2) requirements of this subpart no later than April 15, 2020.

[77 FR 9464, Feb. 16, 2012, as amended at 85 FR 20850, Apr. 15, 2020]

**# 035 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR subpart 63.10000]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limits and operating limits in this subpart. These limits apply to you at all times except during periods of startup and shutdown; however, for coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGUs, you are required to meet the work practice requirements, items 3 and 4, in Table 3 to this subpart during periods of startup or shutdown.

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(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the EPA Administrator 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 the source.

(c)(1) For coal-fired units, IGCC units, and solid oil-derived fuel-fired units, initial performance testing is required for all pollutants, to demonstrate compliance with the applicable emission limits.

(i) For a coal-fired or solid oil-derived fuel-fired EGU or IGCC EGU, you may conduct initial performance testing in accordance with §63.10005(h), to determine whether the EGU qualifies as a low emitting EGU (LEE) for one or more applicable emission limits, except as otherwise provided in paragraphs (c)(1)(i)(A) and (B) of this section:

(A)-(C) Not applicable.

(ii) For a qualifying LEE for Hg emissions limits, you must conduct a 30-day performance test using Method 30B at least once every 12 calendar months to demonstrate continued LEE status.

(iii) For a qualifying LEE of any other applicable emissions limits, you must conduct a performance test at least once every 36 calendar months to demonstrate continued LEE status.

(iv) If your coal-fired or solid oil derived fuel-fired EGU or IGCC EGU does not qualify as a LEE for total non-mercury HAP metals, individual non-mercury HAP metals, or filterable particulate matter (PM), you must demonstrate compliance through an initial performance test and you must monitor continuous performance through either use of a particulate matter continuous parametric monitoring system (PM CPMS), a PM CEMS, or, for an existing EGU, compliance performance testing repeated quarterly.

(v) If your coal-fired or solid oil-derived fuel-fired EGU does not qualify as a LEE for hydrogen chloride (HCl), you may demonstrate initial and continuous compliance through use of an HCl CEMS, installed and operated in accordance with Appendix B to this subpart. As an alternative to HCl CEMS, you may demonstrate initial and continuous compliance by conducting an initial and periodic quarterly performance stack test for HCl. If your EGU uses wet or dry flue gas desulfurization technology (this includes limestone injection into a fluidized bed combustion unit), you may apply a second alternative to HCl CEMS by installing and operating a sulfur dioxide (SO2) CEMS installed and operated in accordance with part 75 of this chapter to demonstrate compliance with the applicable SO2 emissions limit.

(vi) If your coal-fired or solid oil-derived fuel-fired EGU does not qualify as a LEE for Hg, you must demonstrate initial and continuous compliance through use of a Hg CEMS or a sorbent trap monitoring system, in accordance with appendix A to this subpart.

(A) You may choose to use separate sorbent trap monitoring systems to comply with this subpart: One sorbent trap monitoring system to demonstrate compliance with the numeric mercury emissions limit during periods other than startup or shutdown and the other sorbent trap monitoring system to report average mercury concentration during startup periods or shutdown periods.

(B) You may choose to use one sorbent trap monitoring system to demonstrate compliance with the mercury emissions limit at all times (including startup periods and shutdown periods) and to report average mercury concentration. You must follow the startup or shutdown requirements that follow and as given in Table 3 to this subpart for each coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGU.

(2) Not applicable.

(d)(1) If you demonstrate compliance with any applicable emissions limit through use of a continuous monitoring system (CMS), where a CMS includes a continuous parameter monitoring system (CPMS) as well as a continuous emissions monitoring system (CEMS), you must develop a site-specific monitoring plan and submit this site-specific monitoring plan, if requested, at least 60 days before your initial performance evaluation (where applicable) of your CMS. This requirement also applies to you if you petition the Administrator for alternative monitoring parameters under §63.8(f). This requirement to develop and submit a site-specific monitoring plan does not apply to affected sources with existing monitoring plans that

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apply to CEMS and CPMS prepared under appendix B to part 60 or part 75 of this chapter, and that meet the requirements of §63.10010. Using the process described in §63.8(f)(4), you may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in this paragraph of this section and, if approved, include those in your site-specific monitoring plan. The monitoring plan must address the provisions in paragraphs (d)(2) through (5) of this section.

(2) The site-specific monitoring plan shall include the information specified in paragraphs (d)(5)(i) through (d)(5)(vii) of this section. Alternatively, the requirements of paragraphs (d)(5)(i) through (d)(5)(vii) are considered to be met for a particular CMS or sorbent trap monitoring system if:

(i) The CMS or sorbent trap monitoring system is installed, certified, maintained, operated, and quality-assured either according to part 75 of this chapter, or appendix A or B to this subpart; and

(ii) The recordkeeping and reporting requirements of part 75 of this chapter, or appendix A or B to this subpart, that pertain to the CMS are met.

(3) If requested by the Administrator, you must submit the monitoring plan (or relevant portion of the plan) at least 60 days before the initial performance evaluation of a particular CMS, except where the CMS has already undergone a performance evaluation that meets the requirements of §63.10010 (e.g., if the CMS was previously certified under another program).

(4) You must operate and maintain the CMS according to the site-specific monitoring plan.

(5) The provisions of the site-specific monitoring plan must address the following items:

(i) Installation of the CMS or sorbent trap monitoring system sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device). See §63.10010(a) for further details. For PM CPMS installations, follow the procedures in §63.10010(h).

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems.

(iii) Schedule for conducting initial and periodic performance evaluations.

(iv) Performance evaluation procedures and acceptance criteria (e.g., calibrations), including the quality control program in accordance with the general requirements of §63.8(d).

(v) On-going operation and maintenance procedures, in accordance with the general requirements of §§63.8(c)(1)(ii), (c)(3), and (c)(4)(ii).

(vi) Conditions that define a CMS that is out of control consistent with §63.8(c)(7)(i) where appropriate, and for responding to out of control periods consistent with §§63.8(c)(7)(ii) and (c)(8).

(vii) On-going recordkeeping and reporting procedures, in accordance with the general requirements of §§63.10(c), (e)(1), and (e)(2)(i), or as specifically required under this subpart.

(e) As part of your demonstration of continuous compliance, you must perform periodic tune-ups of your EGU(s), according to §63.10021(e).

(f) Except as provided under paragraph (n) of this section, you are subject to the requirements of this subpart for at least 6 months following the last date you met the definition of an EGU subject to this subpart (e.g., 6 months after a cogeneration unit provided more than one third of its potential electrical output capacity and more than 25 megawatts electrical output to any power distributions system for sale). You may opt to remain subject to the provisions of this subpart beyond 6 months after the last date you met the definition of an EGU subject to this subpart, unless your unit is a solid waste incineration unit subject to standards under CAA section 129 (e.g., 40 CFR part 60, subpart CCCC (New Source Performance Standards (NSPS) for Commercial and Industrial Solid Waste Incineration Units, or subpart DDDD (Emissions Guidelines (EG) for Existing Commercial and Industrial Solid Waste Incineration Units). Notwithstanding the provisions of this subpart, an EGU

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that starts combusting solid waste is immediately subject to standards under CAA section 129 and the EGU remains subject to those standards until the EGU no longer meets the definition of a solid waste incineration unit consistent with the provisions of the applicable CAA section 129 standards.

(g) Except as provided under paragraph (n) of this section, if your unit no longer meets the definition of an EGU subject to this subpart you must be in compliance with any newly applicable standards on the date you are no longer subject to this subpart. The date you are no longer subject to this subpart is a date selected by you, that must be at least 6 months from the date that your unit last met the definition of an EGU subject to this subpart or the date you begin combusting solid waste, consistent with §63.9983(d). Your source must remain in compliance with this subpart until the date you select to cease complying with this subpart or the date you begin combusting solid waste, whichever is earlier.

(h)-(n) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23402, Apr. 19, 2012; 78 FR 24084, Apr. 24, 2013; 79 FR 68788, Nov. 19, 2014; 81 FR 20180, Apr. 6, 2016; 85 FR 55757, Sept. 9, 2020]

**# 036 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR subpart 63.9990]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**What are the subcategories of EGUs?**

(a) Coal-fired EGUs are subcategorized as defined in paragraphs (a)(1) through (3) of this section and as defined in §63.10042.

(1) EGUs designed for coal with a heating value greater than or equal to 8,300 Btu/lb,

(2) EGUs designed for low rank virgin coal, and

(3) EGUs designed for EBCR.

(b)-(c) Not applicable.

[77 FR 9464, Feb. 16, 2012, as amended at 85 FR 20850, Apr. 15, 2020]

**# 037 [40 CFR Part 63 NESHAPS for Source Categories §Appendix A to Subpart UUUUU of Part 63]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Hg Monitoring Provisions**

Please reference 40 CFR Part 63 Subpart UUUUU Appendix A.

**# 038 [40 CFR Part 63 NESHAPS for Source Categories §Table 7 to Subpart UUUUU]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Demonstrating Continuous Compliance**

As stated in §63.10021, you must show continuous compliance with the emission limitations for affected sources according to the following:

If you use one of the following to meet applicable emissions limits, operating limits, or work practice standards you demonstrate continuous compliance by:

1. CEMS to measure filterable PM, SO2, HCl, HF, or Hg emissions, or using a sorbent trap monitoring system to measure Hg by calculating the 30- (or 90-) boiler operating day rolling arithmetic average emissions rate in units of the applicable emissions standard basis at the end of each boiler operating day using all of the quality assured hourly average CEMS or sorbent trap data for the previous 30- (or 90-) boiler operating days, excluding data recorded during periods of startup or shutdown.

2-3. Not applicable.

4. Quarterly performance testing for coal-fired, solid oil derived fired, or liquid oil-fired EGUs to measure compliance with

## SECTION E. Source Group Restrictions.

one or more non-PM (or its alternative emission limits) applicable emissions limit in Table 1 or 2, or PM (or its alternative emission limits) applicable emissions limit in Table 2 by calculating the results of the testing in units of the applicable emissions standard.

5. Conducting periodic performance tune-ups of your EGU(s) by conducting periodic performance tune-ups of your EGU(s), as specified in §63.10021(e).

6. Work practice standards for coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGUs during startup by operating in accordance with Table 3.

7. Work practice standards for coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGUs during shutdown by operating in accordance with Table 3.

[78 FR 24092, Apr. 24, 2013]

**# 039 [40 CFR Part 63 NESHAPS for Source Categories §Table 9 to Subpart UUUUU]**

**SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units**

**Applicability of General Provisions to Subpart UUUUU**

As stated in §63.10040, you must comply with the applicable General Provisions according to the following:

§63.1 -Applicability: Applies to subpart UUUUU
§63.2 -Definitions: Applies to subpart UUUUU [Additional terms defined in §63.10042.]
§63.3 -Units and Abbreviations: Applies to subpart UUUUU
§63.4 -Prohibited Activities and Circumvention:Applies to subpart UUUUU
§63.5 -Preconstruction Review and Notification Requirements: Applies to subpart UUUUU
§63.6(a), (b)(1) through (5), (b)(7), (c), (f)(2) and (3), (h)(2) through (9), (i), (j) Compliance with Standards and Maintenance Requirements: Applies to subpart UUUUU
§63.6(e)(1)(i) General Duty to minimize emissions: Does Not Apply to subpart UUUUU [See §63.10000(b) for general duty requirement.]
§63.6(e)(1)(ii) Requirement to correct malfunctions ASAP: Does not apply to subpart UUUUU
§63.6(e)(3) SSM Plan requirements: Does not apply to subpart UUUUU
§63.6(f)(1) SSM exemption: Does not apply to subpart UUUUU
§63.6(h)(1) SSM exemption: Does not apply to subpart UUUUU
§63.6(g) Compliance with Standards and Maintenance Requirements, Use of an alternative non-opacity emission standard: Applies to subpart UUUUU [See §§63.10011(g)(4) and 63.10021(h)(4) for additional requirements.]
§63.7(e)(1) Performance testing: Does not apply to subpart UUUUU [See §63.10007.]
§63.8 -Monitoring Requirements: Applies to subpart UUUUU
§63.8(c)(1)(i) General duty to minimize emissions and CMS operation: Does not apply to subpart UUUUU [See §63.10000(b) for general duty requirement.]
§63.8(c)(1)(iii) Requirement to develop SSM Plan for CMS: Does not apply to subpart UUUUU
§63.8(d)(3) Written procedures for CMS: Applies to subpart UUUUU, [except for last sentence, which refers to an SSM plan. SSM plans are not required.]
§63.9 -Notification Requirements: Applies to subpart UUUUU, [except (1) for the 60-day notification prior to conducting a performance test in §63.9(e); instead use a 30-day notification period per §63.10030(d), (2) the notification of the CMS performance evaluation in §63.9(g)(1) is limited to RATAs, and (3) the information required per §63.9(h)(2)(i); instead provide the applicable information in §63.10030(e)(1) through (8), for the initial notification of compliance status, only]
§63.10(a), (b)(1), (c), (d)(1) and (2), (e), and (f) Recordkeeping and Reporting Requirements: Applies to subpart UUUUU, [except for the requirements to submit written reports under §63.10(e)(3)(v).]
§63.10(b)(2)(i) Recordkeeping of occurrence and duration of startups and shutdowns: Does not apply to subpart UUUUU
§63.10(b)(2)(ii) Recordkeeping of malfunctions: Does not apply to subpart UUUUU [See §63.10001 for recordkeeping of (1) occurrence and duration and (2) actions taken during malfunction.]
§63.10(b)(2)(iii) Maintenance records: Applies to subpart UUUUU
§63.10(b)(2)(iv) Actions taken to minimize emissions during SSM: Does not apply to subpart UUUUU
§63.10(b)(2)(v) Actions taken to minimize emissions during SSM: Does not apply to subpart UUUUU
§63.10(b)(2)(vi) Recordkeeping for CMS malfunctions: Applies to subpart UUUUU
§63.10(b)(2)(vii) through (ix) Other CMS requirements: Applies to subpart UUUUU

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§63.10(b)(3) and (d)(3) through (5): Does not apply to subpart UUUUU
§63.10(c)(7) Additional recordkeeping requirements for CMS—identifying exceedances and excess emissions: Applies to subpart UUUUU only through December 31, 2023.
§63.10(c)(8) Additional recordkeeping requirements for CMS—identifying exceedances and excess emissions: Applies to subpart UUUUU only through December 31, 2023.
§63.10(c)(10) Recording nature and cause of malfunction: Does not apply to subpart UUUUU [See §63.10032(g) and (h) for malfunctions recordkeeping requirements.]
§63.10(c)(11) Recording corrective actions: Does not apply to subpart UUUUU [See §63.10032(g) and (h) for malfunctions recordkeeping requirements.]
§63.10(c)(15) Use of SSM Plan: Does not apply to subpart UUUUU
§63.10(d)(5) SSM reports: Does not apply to subpart UUUUU [See §63.10021(h) and (i) for malfunction reporting requirements.]
§63.10(e)(3)(v) and (vi) Excess emissions and CMS performance reports: Applies to Subpart UUUUU only through December 31, 2023.
§63.11 -Control Device Requirements: Does not apply to subpart UUUUU
§63.12 -State Authority and Delegation: Applies to subpart UUUUU
§§63.13 through 63.16 -Addresses, Incorporation by Reference, Availability of Information, Performance Track Provisions: Applies to subpart UUUUU
§§63.1(a)(5),(a)(7) through (9), (b)(2), (c)(3) and (4), (d), 63.6(b)(6), (c)(3) and (4), (d), (e)(2), (e)(3)(ii), (h)(3), (h)(5)(iv), 63.8(a)(3), 63.9(b)(3), (h)(4), 63.10(c)(2) through (4), (c)(9). [Reserved]: Does not apply to subpart UUUUU

[81 FR 20202, Apr. 6, 2016, 85 FR 55765, Sept. 9, 2020]

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

## SECTION E. Source Group Restrictions.

Group Name: G08

Group Description: CSAPR

Sources included in this group

| ID | Name |
|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) |
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) |

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

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

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.404]**

**Subpart AAAAA - CSAPR NOX Annual Trading Program**

**Applicability.**

(a) Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are subject to the applicable requirements of 40 CFR Part 97, Subpart AAAAA - CSAPR NOx Annual Trading Program. As determined by 97.410 and adjusted on an annual basis by EPA, Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are allocated the following CSAPR NOx Annual allowances for the years 2020 through 2024:

| | NOx Annual Allocation (tons) | |
|---|---|---|
| Year | Boiler 1 (Source ID 031) | Boiler 2 (Source ID 032) |
| 2020 | 6,105 | 5,713 |
| 2021 | 6,105 | 5,713 |
| 2022 | 6,105 | 5,713 |
| 2023 | 6,105 | 5,713 |
| 2024 | 6,105 | 5,713 |

Data allowances are available at EPA's Air Markets Program Data (https://ampd.epa.gov/ampd/)

(b) In accordance with 40 CFR § § 97.421, EPA will announce in a notice of data availability and record in the Boiler 1 and Boiler 2 Annual NOx Compliance Account, the allowance allocations for control periods beyond the year 2024.

## SECTION E. Source Group Restrictions.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

**# 002 [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.

(b) EMISSIONS MONITORTING, 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.

(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 (and Indian country within the borders of such 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 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

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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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 E. Source Group Restrictions.**

(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.

(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 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.

(e) ADDITIONAL RECORDKEEPING AND REPORTING 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.

(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.

(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.

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(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.

[76 FR 48379, Aug. 8, 2011, as amended at 77 FR 10334, Feb. 21, 2012; 79 FR 71672, Dec. 3, 2014; 81 FR 74606, Oct. 26, 2016]

**# 003 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.430]**

**Subpart AAAAA - CSAPR NOX Annual Trading Program**

**General monitoring, recordkeeping, and reporting requirements.**

The owners and operators, and to the extent applicable, the designated representative, of a CSAPR NOX Annual unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this subpart and subpart H of part 75 of this chapter. For purposes of applying such requirements, the definitions in §97.402 and in §72.2 of this chapter shall apply, the terms “affected unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) in part 75 of this chapter shall be deemed to refer to the terms “CSAPR NOX Annual unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) respectively as defined in §97.402, and the term “newly affected unit” shall be deemed to mean “newly affected CSAPR NOX Annual unit”. The owner or operator of a unit that is not a CSAPR NOX Annual unit but that is monitored under §75.72(b)(2)(ii) of this chapter shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR NOX Annual unit.

(a) REQUIREMENTS FOR INSTALLATION, CERTIFICATION, AND DATA ACCOUNTING. The owner or operator of each CSAPR NOX Annual unit shall:

(1) Install all monitoring systems required under this subpart for monitoring NOX mass emissions and individual unit heat input (including all systems required to monitor NOX emission rate, NOX concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with §§75.71 and 75.72 of this chapter);

(2) Successfully complete all certification tests required under §97.431 and meet all other requirements of this subpart and part 75 of this chapter applicable to the monitoring systems under paragraph (a)(1) of this section; and

(3) Record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

(b) COMPLIANCE DEADLINES. Except as provided in paragraph (e) of this section, the owner or operator of a CSAPR NOX Annual unit shall meet the monitoring system certification and other requirements of paragraphs (a)(1) and (2) of this section on or before the later of the following dates and shall record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section on and after the later of the following dates:

(1) January 1, 2015; or

(2) 180 calendar days after the date on which the unit commences commercial operation.

(3) The owner or operator of a CSAPR NOX Annual unit for which construction of a new stack or flue or installation of addon NOX emission controls is completed after the applicable deadline under paragraph (b)(1) or (2) of this section shall meet the requirements of §75.4(e)(1) through (4) of this chapter, except that:

(i) Such requirements shall apply to the monitoring systems required under §97.430 through §97.435, rather than the monitoring systems required under part 75 of this chapter;

(ii) NOX emission rate, NOX concentration, stack gas moisture content, stack gas volumetric flow rate, and O2 or CO2 concentration data shall be determined and reported, rather than the data listed in §75.4(e)(2) of this chapter; and

(iii) Any petition for another procedure under §75.4(e)(2) of this chapter shall be submitted under §97.435, rather than §75.66 of this chapter.

(c) REPORTING DATA. The owner or operator of a CSAPR NOX Annual unit that does not meet the applicable compliance

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date set forth in paragraph (b) of this section for any monitoring system under paragraph (a)(1) of this section shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for NOX concentration, NOX emission rate, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine NOX mass emissions and heat input in accordance with §75.31(b)(2) or (c)(3) of this chapter, section 2.4 of appendix D to part 75 of this chapter, or section 2.5 of appendix E to part 75 of this chapter, as applicable.

(d) PROHIBITIONS.

(1) No owner or operator of a CSAPR NOX Annual unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this subpart without having obtained prior written approval in accordance with §97.435.

(2) No owner or operator of a CSAPR NOX Annual unit shall operate the unit so as to discharge, or allow to be discharged, NOX to the atmosphere without accounting for all such NOX in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(3) No owner or operator of a CSAPR NOX Annual unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOX mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(4) No owner or operator of a CSAPR NOX Annual unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this subpart, except under any one of the following circumstances:

(i) During the period that the unit is covered by an exemption under §97.405 that is in effect;

(ii) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this subpart and part 75 of this chapter, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or

(iii) The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with §97.431(d)(3)(i).

(e) LONG-TERM COLD STORAGE. The owner or operator of a CSAPR NOX Annual unit is subject to the applicable provisions of §75.4(d) of this chapter concerning units in long-term cold storage.

[76 FR 48379, Aug. 8, 2011, as amended at 79 FR 71672, Dec. 3, 2014; 81 FR 74607, Oct. 26, 2016]

**# 004 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.434]**

**Subpart AAAAA - CSAPR NOX Annual Trading Program**

**Recordkeeping and reporting.**

(a) GENERAL PROVISIONS. The designated representative shall comply with all recordkeeping and reporting requirements in paragraphs (b) through (e) of this section, the applicable recordkeeping and reporting requirements under §75.73 of this chapter, and the requirements of §97.414(a).

(b) MONITORING PLANS. The owner or operator of a CSAPR NOX Annual unit shall comply with the requirements of §75.73(c) and (e) of this chapter.

(c) CERTIFICATION APPLICATIONS. The designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under §97.431, including the information required under §75.63 of this chapter.

(d) QUARTERLY REPORTS. The designated representative shall submit quarterly reports, as follows:

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(1) The designated representative shall report the NOX mass emissions data and heat input data for a CSAPR NOX Annual unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the later of:

(i) The calendar quarter covering January 1, 2015 through March 31, 2015; or
(ii) The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under §97.430(b).

(2) The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in §75.73(f) of this chapter.

(3) For CSAPR NOX Annual units that are also subject to the Acid Rain Program, CSAPR NOX Ozone Season Group 1 Trading Program, CSAPR NOX Ozone Season Group 2 Trading Program, CSAPR SO2 Group 1 Trading Program, or CSAPR SO2 Group 2 Trading Program, quarterly reports shall include the applicable data and information required by subparts F through H of part 75 of this chapter as applicable, in addition to the NOX mass emission data, heat input data, and other information required by this subpart.

(4) The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of this subpart and part 75 of this chapter, including the requirement to use substitute data.

(i) The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of this subpart and part 75 of this chapter that are relevant to the specified correction.

(ii) Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under this subpart and part 75 of this chapter, except for the deadline set forth in paragraph (d)(2) of this section.

(e) COMPLIANCE CERTIFICATION. The designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) The monitoring data submitted were recorded in accordance with the applicable requirements of this subpart and part 75 of this chapter, including the quality assurance procedures and specifications; and

(2) For a unit with add-on NOX emission controls and for all hours where NOX data are substituted in accordance with §75.34(a)(1) of this chapter, the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to part 75 of this chapter and the substitute data values do not systematically underestimate NOX emissions.

[76 FR 48379, Aug. 8, 2011, as amended at 79 FR 71672, Dec. 3, 2014; 81 FR 74607, Oct. 26, 2016]

**# 005 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.604]**

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

**Applicability.**

(a) Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are subject to the applicable requirements of 40 CFR Part 97, Subpart CCCCC - CSAPR SO2 Group 1 Trading Program. As determined by 97.610 and adjusted on an annual basis by EPA, Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are allocated the following CSAPR SO2 Group 1 allowances for the years 2020 through 2024:

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| | SO2 Group 1 Annual Allocation (tons) | |
|---|---|---|
| Year | Boiler 1 (Source ID 031) | Boiler 2 (Source ID 032) |
| 2020 | 4,201 | 3,921 |
| 2021 | 4,201 | 3,921 |
| 2022 | 4,201 | 3,921 |
| 2023 | 4,201 | 3,921 |
| 2024 | 4,201 | 3,921 |

Data allowances are available at EPA's Air Markets Program Data (https://ampd.epa.gov/ampd/)

(b) In accordance with 40 CFR § § 97.621, EPA will announce in a notice of data availability and record in the Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) Annual SO2 Group 1 Compliance Account, the allowance allocations for control periods beyond the year 2024.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

**# 006 [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.

(b) EMISSIONS MONITORTING, 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.

(c) SO2 EMISSIONS REQUIREMENTS.

(1) CSAPR SO2 GROUP 1 EMISSION 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.

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(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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 (and Indian country within the borders of such 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 the Clean Air Act; and (B) Each CSAPR SO2 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 SO2 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 SO2 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 SO2 GROUP 1 ALLOWANCES HELD FOR COMPLIANCE.

(i) A CSAPR SO2 Group 1 allowance held for compliance with the requirements under paragraph (c)(1)(i) of this section

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for a control period in a given year must be a CSAPR SO2 Group 1 allowance that was allocated or auctioned for such control period or a control period in a prior year.

(ii) A CSAPR SO2 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 SO2 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 SO2 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 SO2 Group 1 allowance is a limited authorization to emit one ton of SO2 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 SO2 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 SO2 Group 1 allowance does not constitute a property right.

(d) TITLE V PERMIT REQUIREMENTS.

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

(e) ADDITIONAL RECORDKEEPING AND REPORTING 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.

(2) The designated representative of a CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall

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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.

(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.

[76 FR 48432, Aug. 8, 2011, as amended at 77 FR 10338, Feb. 21, 2012; 79 FR 71672, Dec. 3, 2014; 81 FR 74616, Aug. 8, 2011;]

**# 007 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.630]**

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

**General monitoring, recordkeeping, and reporting requirements.**

The owners and operators, and to the extent applicable, the designated representative, of a CSAPR SO2 Group 1 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this subpart and subparts F and G of part 75 of this chapter. For purposes of applying such requirements, the definitions in §97.602 and in §72.2 of this chapter shall apply, the terms “affected unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) in part 75 of this chapter shall be deemed to refer to the terms “CSAPR SO2 Group 1 unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) respectively as defined in §97.602, and the term “newly affected unit” shall be deemed to mean “newly affected CSAPR SO2 Group 1 unit”. The owner or operator of a unit that is not a CSAPR SO2 Group 1 unit but that is monitored under §75.16(b)(2) of this chapter shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR SO2 Group 1 unit.

(a) REQUIREMENTS FOR INSTALLATION, CERTIFICATION, AND DATA ACCOUNTING. The owner or operator of each CSAPR SO2 Group 1 unit shall:

(1) Install all monitoring systems required under this subpart for monitoring SO2 mass emissions and individual unit heat input (including all systems required to monitor SO2 concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with §§75.11 and 75.16 of this chapter);

(2) Successfully complete all certification tests required under §97.631 and meet all other requirements of this subpart and part 75 of this chapter applicable to the monitoring systems under paragraph (a)(1) of this section; and

(3) Record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

(b) COMPLIANCE DEADLINES. Except as provided in paragraph (e) of this section, the owner or operator of a CSAPR SO2 Group 1 unit shall meet the monitoring system certification and other requirements of paragraphs (a)(1) and (2) of this section on or before the later of the following dates and shall record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section on and after the later of the following dates:

(1) January 1, 2015; or

(2) 180 calendar days after the date on which the unit commences commercial operation.

(3) The owner or operator of a CSAPR SO2 Group 1 unit for which construction of a new stack or flue or installation of addon SO2 emission controls is completed after the applicable deadline under paragraph (b)(1) or (2) of this section shall

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meet the requirements of §75.4(e)(1) through (4) of this chapter, except that:

(i) Such requirements shall apply to the monitoring systems required under §97.630 through §97.635, rather than the monitoring systems required under part 75 of this chapter;

(ii) SO2 concentration, stack gas moisture content, stack gas volumetric flow rate, and O2 or CO2 concentration data shall be determined and reported, rather than the data listed in §75.4(e)(2) of this chapter; and

(iii) Any petition for another procedure under §75.4(e)(2) of this chapter shall be submitted under §97.635, rather than §75.66 of this chapter.

(c) REPORTING DATA. The owner or operator of a CSAPR SO2 Group 1 unit that does not meet the applicable compliance date set forth in paragraph (b) of this section for any monitoring system under paragraph (a)(1) of this section shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for SO2 concentration, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine SO2 mass emissions and heat input in accordance with §75.31(b)(2) or (c)(3) of this chapter or section 2.4 of appendix D to part 75 of this chapter, as applicable.

(d) PROHIBITIONS.

(1) No owner or operator of a CSAPR SO2 Group 1 unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this subpart without having obtained prior written approval in accordance with §97.635.

(2) No owner or operator of a CSAPR SO2 Group 1 unit shall operate the unit so as to discharge, or allow to be discharged, SO2 to the atmosphere without accounting for all such SO2 in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(3) No owner or operator of a CSAPR SO2 Group 1 unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording SO2 mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(4) No owner or operator of a CSAPR SO2 Group 1 unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this subpart, except under any one of the following circumstances:

(i) During the period that the unit is covered by an exemption under §97.605 that is in effect;

(ii) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this subpart and part 75 of this chapter, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or

(iii) The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with §97.631(d)(3)(i).

(e) LONG-TERM COLD STORAGE. The owner or operator of a CSAPR SO2 Group 1 unit is subject to the applicable provisions of §75.4(d) of this chapter concerning units in long-term cold storage.

[76 FR 48379, Aug. 8, 2011, as amended at 79 FR 71672, Dec. 3, 2014; 81 FR 74617, Oct. 26, 2016]

**# 008 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.634]**

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

**Recordkeeping and reporting.**

(a) GENERAL PROVISIONS. The designated representative shall comply with all recordkeeping and reporting requirements in paragraphs (b) through (e) of this section, the applicable recordkeeping and reporting requirements in subparts F and G

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of part 75 of this chapter, and the requirements of §97.614(a).

(b) MONITORING PLANS. The owner or operator of a CSAPR SO2 Group 1 unit shall comply with the requirements of §75.62 of this chapter.

(c) CERTIFICATION APPLICATIONS. The designated representative shall submit an application to the Administrator within 45 days after completing all initial certification or recertification tests required under §97.631, including the information required under §75.63 of this chapter.

(d) QUARTERLY REPORTS. The designated representative shall submit quarterly reports, as follows:

(1) The designated representative shall report the SO2 mass emissions data and heat input data for a CSAPR SO2 Group 1 unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the later of:

(i) The calendar quarter covering January 1, 2015 through March 31, 2015; or

(ii) The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under §97.630(b).

(2) The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in §75.64 of this chapter.

(3) For CSAPR SO2 Group 1 units that are also subject to the Acid Rain Program, CSAPR NOX Annual Trading Program, CSAPR NOX Ozone Season Group 1 Trading Program, or CSAPR NOX Ozone Season Group 2 Trading Program, quarterly reports shall include the applicable data and information required by subparts F through H of part 75 of this chapter as applicable, in addition to the SO2 mass emission data, heat input data, and other information required by this subpart.

(4) The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of this subpart and part 75 of this chapter, including the requirement to use substitute data.

(i) The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary because the quarterly report already meets the requirements of this subpart and part 75 of this chapter that are relevant to the specified correction.

(ii) Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under this subpart and part 75 of this chapter, except for the deadline set forth in paragraph (d)(2) of this section.

(e) COMPLIANCE CERTIFICATION. The designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) The monitoring data submitted were recorded in accordance with the applicable requirements of this subpart and part 75 of this chapter, including the quality assurance procedures and specifications; and

(2) For a unit with add-on SO2 emission controls and for all hours where SO2 data are substituted in accordance with §75.34(a)(1) of this chapter, the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to part 75 of this chapter and the substitute data values do not systematically underestimate SO2 emissions.

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[76 FR 48379, Aug. 8, 2011, as amended at 79 FR 71672, Dec. 3, 2014; 81 FR 74618, Oct. 26, 2016]

**# 009 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.804]**

**Subpart EEEEE - CSAPR NOX Ozone Season Group 2 Trading Program**

**Applicability.**

(a) Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are subject to the applicable requirements of 40 CFR Part 97, Subpart EEEEE - CSAPR NOx Ozone Season Group 2 Trading Program. As determined by 97.810 and adjusted on an annual basis by EPA, Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are allocated the following CSAPR NOx Ozone Season (May 1 through September 30) allowances for the years 2020 through 2024:

| | NOx Ozone Season Group 2 Annual Allocation (tons) | |
|---|---|---|
| Year | Boiler 1 (Source ID 031) | Boiler 2 (Source ID 032) |
| 2020 | 859 | 878 |

(b) The following sections of § 97 Subpart EEEEE are incorporated by reference. Compliance with equivalent sections of §97 Subpart GGGGG also ensures compliance with these sections.

(1) § 97.806 (Standard requirements).

(2) § 97.830 (General monitoring, recordkeeping, & reporting).

(3) § 97.834 (Recordkeeping & reporting).

[Effective June 29, 2021, § 97 Subpart GGGGG replaces § 97 Subpart EEEEE for Pennsylvania. The NOx ozone season allocations above will be used in calculating supplemental allowances for 2021 ozone season, specifically from May 1 through June 28, 2021 period.]

**# 010 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR §97.1004]**

**Subpart GGGGG - CSAPR NOX Ozone Season Group 3 Trading Program**

**Applicability.**

(a) Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are subject to the applicable requirements of 40 CFR Part 97, Subpart GGGGG - CSAPR NOx Ozone Season Group 3 Trading Program. As determined by 97.1010 and adjusted on an annual basis by EPA, Boiler 1 (Source ID 031) and Boiler 2 (Source ID 032) are allocated the following CSAPR NOx Ozone Season (May 1 through September 30) allowances for the years 2021 through 2024:

| Year | NOx Ozone Season Group 2 Annual Allocation (tons) | |
|---|---|---|
| | Boiler 1 (Source ID 031) | Boiler 2 (Source ID 032) |
| 2021 | 571 | 637 |
| 2022 | 571 | 636 |
| 2023 | 571 | 636 |
| 2024 | 571 | 636 |

(b) In accordance with 40 CFR § § 97.1021, EPA will announce in a notice of data availability and record in the Boiler 1 and Boiler 2 Annual NOx Ozone Season Group 3 Compliance Account, the allowance allocations for control periods beyond the year 2024.

(c) The allowances in subsection (a) of this condition are subject to change. Any changes will be promulgated by US EPA in a notice of data availability. Upon promulgation, the new allowances replace the amounts in subsection (a) by rule.

[Effective June 29, 2021, § 97 Subpart GGGGG replaces § 97 Subpart EEEEE for Pennsylvania.]

## SECTION E. Source Group Restrictions.

**# 011 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR §97.1006]**
**Subpart GGGGG - CSAPR NOX Ozone Season Group 3 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 §§ 97.1013 through 97.1018.

(b) EMISSIONS MONITORING, REPORTING, AND RECORDKEEPING REQUIREMENTS.

(1) The owners and operators, and the designated representative, of each CSAPR NOX Ozone Season Group 3 source and each CSAPR NOX Ozone Season Group 3 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of §§ 97.1030 through 97.1035.

(2) The emissions data determined in accordance with §§ 97.1030 through 97.1035 shall be used to calculate allocations of CSAPR NOX Ozone Season Group 3 allowances under §§ 97.1011(a)(2) and (b) and 97.1012 and to determine compliance with the CSAPR NOX Ozone Season Group 3 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 §§ 97.1030 through 97.1035 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

(c) NOX EMISSIONS REQUIREMENTS.

(1) CSAPR NOX OZONE SEASON GROUP 3 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 3 source and each CSAPR NOX Ozone Season Group 3 unit at the source shall hold, in the source's compliance account, CSAPR NOX Ozone Season Group 3 allowances available for deduction for such control period under § 97.1024(a) in an amount not less than the tons of total NOX emissions for such control period from all CSAPR NOX Ozone Season Group 3 units at the source.

(ii) If total NOX emissions during a control period in a given year from the CSAPR NOX Ozone Season Group 3 units at a CSAPR NOX Ozone Season Group 3 source are in excess of the CSAPR NOX Ozone Season Group 3 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 3 unit at the source shall hold the CSAPR NOX Ozone Season Group 3 allowances required for deduction under § 97.1024(d); and

(B) The owners and operators of the source and each CSAPR NOX Ozone Season Group 3 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 3 ASSURANCE PROVISIONS.

(i) If total NOX emissions during a control period in a given year from all base CSAPR NOX Ozone Season Group 3 units at base CSAPR NOX Ozone Season Group 3 sources in a State (and Indian country within the borders of such 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 3 allowances available for deduction for such control period under § 97.1025(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with § 97.1025(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

**SECTION E. Source Group Restrictions.**

common designated representatives for such sources and units in the State (and Indian country within the borders of such 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 base CSAPR NOX Ozone Season Group 3 units at base CSAPR NOX Ozone Season Group 3 sources in the State (and Indian country within the borders of such State) for such control period exceed the State assurance level.

(ii) The owners and operators shall hold the CSAPR NOX Ozone Season Group 3 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 base CSAPR NOX Ozone Season Group 3 units at base CSAPR NOX Ozone Season Group 3 sources in a State (and Indian country within the borders of such 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 3 trading budget under § 97.1010(a) and the State's variability limit under §97.1010(b), and, for the control period in 2021 only, the product (rounded to the nearest allowance) of 1.21 multiplied by the supplemental amount of CSAPR NOX Ozone Season Group 3 allowances determined for the State under § 97.1010(d).

(iv) It shall not be a violation of this subpart or of the Clean Air Act if total NOX emissions from all base CSAPR NOX Ozone Season Group 3 units at base CSAPR NOX Ozone Season Group 3 sources in a State (and Indian country within the borders of such State) during a control period exceed the State assurance level or if a common designated representative's share of total NOX emissions from the base CSAPR NOX Ozone Season Group 3 units at base CSAPR NOX Ozone Season Group 3 sources in a State (and Indian country within the borders of such 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 3 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 3 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 3 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, 2021 or the deadline for meeting the unit's monitor certification requirements under § 97.1030(b) and for each control period thereafter.

(ii) A base CSAPR NOX Ozone Season Group 3 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, 2021 or the deadline for meeting the unit's monitor certification requirements under § 97.1030(b) and for each control period thereafter.

(4) VINTAGE OF CSAPR NOX OZONE SEASON GROUP 3 ALLOWANCES HELD FOR COMPLIANCE.

(i) A CSAPR NOX Ozone Season Group 3 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 3 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 3 allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (c)(2)(i) through (iii) of this section for a control period in a given year must be a CSAPR NOX Ozone Season Group 3 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.

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(5) ALLOWANCE MANAGEMENT SYSTEM REQUIREMENTS. Each CSAPR NOX Ozone Season Group 3 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 3 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 3 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 3 allowance does not constitute a property right.

(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 3 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 §§ 97.1030 through 97.1035 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.

(e) ADDITIONAL RECORDKEEPING AND REPORTING REQUIREMENTS.

(1) Unless otherwise provided, the owners and operators of each CSAPR NOX Ozone Season Group 3 source and each CSAPR NOX Ozone Season Group 3 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 § 97.1016 for the designated representative for the source and each CSAPR NOX Ozone Season Group 3 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 § 97.1016 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 Ozone Season Group 3 Trading Program.

(2) The designated representative of a CSAPR NOX Ozone Season Group 3 source and each CSAPR NOX Ozone Season Group 3 unit at the source shall make all submissions required under the CSAPR NOX Ozone Season Group 3 Trading Program, except as provided in § 97.1018. 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.

(f) LIABILITY.

## SECTION E. Source Group Restrictions.

(1) Any provision of the CSAPR NOX Ozone Season Group 3 Trading Program that applies to a CSAPR NOX Ozone Season Group 3 source or the designated representative of a CSAPR NOX Ozone Season Group 3 source shall also apply to the owners and operators of such source and of the CSAPR NOX Ozone Season Group 3 units at the source.

(2) Any provision of the CSAPR NOX Ozone Season Group 3 Trading Program that applies to a CSAPR NOX Ozone Season Group 3 unit or the designated representative of a CSAPR NOX Ozone Season Group 3 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 3 Trading Program or exemption under § 97.1005 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NOX Ozone Season Group 3 source or CSAPR NOX Ozone Season Group 3 unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 012 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR §97.1030]**

**Subpart GGGGG - CSAPR NOX Ozone Season Group 3 Trading Program**

**General monitoring, recordkeeping, and reporting requirements.**

The owners and operators, and to the extent applicable, the designated representative, of a CSAPR NOX Ozone Season Group 3 unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this subpart and subpart H of part 75 of this chapter. For purposes of applying such requirements, the definitions in § 97.1002 and in § 72.2 of this chapter shall apply, the terms “affected unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) in part 75 of this chapter shall be deemed to refer to the terms “CSAPR NOX Ozone Season Group 3 unit,” “designated representative,” and “continuous emission monitoring system” (or “CEMS”) respectively as defined in § 97.1002, and the term “newly affected unit” shall be deemed to mean “newly affected CSAPR NOX Ozone Season Group 3 unit”. The owner or operator of a unit that is not a CSAPR NOX Ozone Season Group 3 unit but that is monitored under §75.72(b)(2)(ii) of this chapter shall comply with the same monitoring, recordkeeping, and reporting requirements as a CSAPR NOX Ozone Season Group 3 unit.

(a) REQUIREMENTS FOR INSTALLATION, CERTIFICATION, AND DATA ACCOUNTING. The owner or operator of each CSAPR NOX Ozone Season Group 3 unit shall:

(1) Install all monitoring systems required under this subpart for monitoring NOX mass emissions and individual unit heat input (including all systems required to monitor NOX emission rate, NOX concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with §§75.71 and 75.72 of this chapter);

(2) Successfully complete all certification tests required under § 97.1031 and meet all other requirements of this subpart and part 75 of this chapter applicable to the monitoring systems under paragraph (a)(1) of this section; and

(3) Record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

(b) COMPLIANCE DEADLINES. Except as provided in paragraph (e) of this section, the owner or operator of a CSAPR NOX Ozone Season Group 3 unit shall meet the monitoring system certification and other requirements of paragraphs (a)(1) and (2) of this section on or before the latest of the following dates and shall record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section on and after the latest of the following dates:

(1) May 1, 2021;

(2) 180 calendar days after the date on which the unit commences commercial operation; or

(3) Where data for the unit are reported on a control period basis under § 97.1034(d)(1)(ii)(B), and where the compliance date under paragraph (b)(2) of this section is not in a month from May through September, May 1 immediately after the compliance date under paragraph (b)(2) of this section.

(4) The owner or operator of a CSAPR NOX Ozone Season Group 3 unit for which construction of a new stack or flue or installation of add-on NOX emission controls is completed after the applicable deadline under paragraph (b)(1), (2), or (3) of this section shall meet the requirements of §75.4(e)(1) through (4) of this chapter, except that:

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(i) Such requirements shall apply to the monitoring systems required under § 97.1030 through §97.1035, rather than the monitoring systems required under part 75 of this chapter;

(ii) NOX emission rate, NOX concentration, stack gas moisture content, stack gas volumetric flow rate, and O2 or CO2 concentration data shall be determined and reported, rather than the data listed in §75.4(e)(2) of this chapter; and

(iii) Any petition for another procedure under §75.4(e)(2) of this chapter shall be submitted under § 97.1035, rather than §75.66 of this chapter.

(c) REPORTING DATA. The owner or operator of a CSAPR NOX Ozone Season Group 3 unit that does not meet the applicable compliance date set forth in paragraph (b) of this section for any monitoring system under paragraph (a)(1) of this section shall, for each such monitoring system, determine, record, and report maximum potential (or, as appropriate, minimum potential) values for NOX concentration, NOX emission rate, stack gas flow rate, stack gas moisture content, fuel flow rate, and any other parameters required to determine NOX mass emissions and heat input in accordance with §75.31(b)(2) or (c)(3) of this chapter, section 2.4 of appendix D to part 75 of this chapter, or section 2.5 of appendix E to part 75 of this chapter, as applicable.

(d) PROHIBITIONS.

(1) No owner or operator of a CSAPR NOX Ozone Season Group 3 unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this subpart without having obtained prior written approval in accordance with § 97.1035.

(2) No owner or operator of a CSAPR NOX Ozone Season Group 3 unit shall operate the unit so as to discharge, or allow to be discharged, NOX to the atmosphere without accounting for all such NOX in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(3) No owner or operator of a CSAPR NOX Ozone Season Group 3 unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOX mass discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this subpart and part 75 of this chapter.

(4) No owner or operator of a CSAPR NOX Ozone Season Group 3 unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this subpart, except under any one of the following circumstances:

(i) During the period that the unit is covered by an exemption under § 97.1005 that is in effect;

(ii) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this subpart and part 75 of this chapter, by the Administrator for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or

(iii) The designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with § 97.1031(d)(3)(i).

**# 013 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR §97.1034]**

**Subpart GGGGG - CSAPR NOX Ozone Season Group 3 Trading Program**

**Recordkeeping and reporting.**

(a) GENERAL PROVISIONS. The designated representative shall comply with all recordkeeping and reporting requirements in paragraphs (b) through (e) of this section, the applicable recordkeeping and reporting requirements under §75.73 of this chapter, and the requirements of § 97.1014(a).

(b) MONITORING PLANS. The owner or operator of a CSAPR NOX Ozone Season Group 3 unit shall comply with the requirements of §75.73(c) and (e) of this chapter.

(c) CERTIFICATION APPLICATIONS. The designated representative shall submit an application to the Administrator within

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45 days after completing all initial certification or recertification tests required under § 97.1031, including the information required under §75.63 of this chapter.

(d) QUARTERLY REPORTS. The designated representative shall submit quarterly reports, as follows:

(1)

(i) If a CSAPR NOX Ozone Season Group 3 unit is subject to the Acid Rain Program or the CSAPR NOX Annual Trading Program or if the owner or operator of such unit chooses to report on an annual basis under this subpart, then the designated representative shall meet the requirements of subpart H of part 75 of this chapter (concerning monitoring of NOX mass emissions) for such unit for the entire year and report the NOX mass emissions data and heat input data for such unit for the entire year.

(ii) If a CSAPR NOX Ozone Season Group 3 unit is not subject to the Acid Rain Program or the CSAPR NOX Annual Trading Program, then the designated representative shall either:

(A) Meet the requirements of subpart H of part 75 of this chapter for such unit for the entire year and report the NOX mass emissions data and heat input data for such unit for the entire year in accordance with paragraph (d)(1)(i) of this section; or

(B) Meet the requirements of subpart H of part 75 of this chapter (including the requirements in §75.74(c) of this chapter) for such unit for the control period and report the NOX mass emissions data and heat input data (including the data described in §75.74(c)(6) of this chapter) for such unit only for the control period of each year.

(2) The designated representative shall report the NOX mass emissions data and heat input data for a CSAPR NOX Ozone Season Group 3 unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter indicated under paragraph (d)(1) of this section beginning by the latest of:

(i) The calendar quarter covering May 1, 2021 through June 30, 2021;

(ii) The calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under § 97.1030(b); or

(iii) For a unit that reports on a control period basis under paragraph (d)(1)(ii)(B) of this section, if the calendar quarter under paragraph (d)(2)(ii) of this section does not include a month from May through September, the calendar quarter covering May 1 through June 30 immediately after the calendar quarter under paragraph (d)(2)(ii) of this section.

(3) The designated representative shall submit each quarterly report to the Administrator within 30 days after the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in §75.73(f) of this chapter.

(4) For CSAPR NOX Ozone Season Group 3 units that are also subject to the Acid Rain Program, CSAPR NOX Annual Trading Program, CSAPR SO2 Group 1 Trading Program, or CSAPR SO2 Group 2 Trading Program, quarterly reports shall include the applicable data and information required by subparts F through H of part 75 of this chapter as applicable, in addition to the NOX mass emission data, heat input data, and other information required by this subpart.

(5) The Administrator may review and conduct independent audits of any quarterly report in order to determine whether the quarterly report meets the requirements of this subpart and part 75 of this chapter, including the requirement to use substitute data.

(i) The Administrator will notify the designated representative of any determination that the quarterly report fails to meet any such requirements and specify in such notification any corrections that the Administrator believes are necessary to make through resubmission of the quarterly report and a reasonable time period within which the designated representative must respond. Upon request by the designated representative, the Administrator may specify reasonable extensions of such time period. Within the time period (including any such extensions) specified by the Administrator, the designated representative shall resubmit the quarterly report with the corrections specified by the Administrator, except to the extent the designated representative provides information demonstrating that a specified correction is not necessary

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because the quarterly report already meets the requirements of this subpart and part 75 of this chapter that are relevant to the specified correction.

(ii) Any resubmission of a quarterly report shall meet the requirements applicable to the submission of a quarterly report under this subpart and part 75 of this chapter, except for the deadline set forth in paragraph (d)(3) of this section.

(e) COMPLIANCE CERTIFICATION. The designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) The monitoring data submitted were recorded in accordance with the applicable requirements of this subpart and part 75 of this chapter, including the quality assurance procedures and specifications;

(2) For a unit with add-on NOX emission controls and for all hours where NOX data are substituted in accordance with §75.34(a)(1) of this chapter, the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to part 75 of this chapter and the substitute data values do not systematically underestimate NOX emissions; and

(3) For a unit that is reporting on a control period basis under paragraph (d)(1)(ii)(B) of this section, the NOX emission rate and NOX concentration values substituted for missing data under subpart D of part 75 of this chapter are calculated using only values from a control period and do not systematically underestimate NOX emissions.

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

## SECTION E. Source Group Restrictions.

Group Name: G09

Group Description: Alternative RACT II for Boiler 1 and 2

Sources included in this group

| ID | Name |
|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) |
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

(1) Emissions of NOx expressed as NO2 for Boiler 1 and 2 (Source ID 031 and 032) are individually limited to a maximum of 0.070 lb NOx /MMBtu on a daily average basis. This limit excludes, emissions during start-up, and shut-down; operation pursuant to emergency generation required by PJM, including any necessary testing for such emergency operations; and during periods in which compliance with this emission limit would require operation of any equipment in a manner inconsistent with technological limitations, good engineering and maintenance practices, and/or good air pollution control practices for minimizing emissions.

[0.070 lb NOx/MMBtu limit all hours during a calendar day which are subject to this limit shall be included in calculating the daily average, even if only one full operating hour qualifies.]

Startup means: The period in which operation of the EGU is initiated after a shutdown event for any purpose. Startup ends when any of the steam from the boiler is used to generate electricity for sale over the grid or for any other purpose (including on-site use). Any fraction of an hour in which startup occurs constitutes a full hour of startup.

Shutdown means: The period in which cessation of operation of an EGU is initiated for any purpose. Shutdown begins when the EGU no longer generates electricity or when no fuel is being fired in the EGU, whichever is earlier. Any fraction of an hour in which shutdown occurs constitutes a full hour of shutdown.

Daily average means: The total mass for each of the hours during the calendar day divided by the total heat input for each of the hours during the calendar day. This calculation methodology would also apply to the limit contained in (2), below.

The Department has defined emergency generation as follows:
PJM Emergency Authority: Section 10.4, of the PJM Operating Agreement (OA) provides that the PJM Office of the Interconnection has the responsibility to “direct the operations of the Members as necessary to manage, alleviate, or end an Emergency”. Likewise, Section 11.3.1 (e), of the (OA) states that PJM members must comply with “all directives of the Office of the Interconnection to take any action for the purpose of managing, alleviating or ending an Emergency” as set forth in the PJM Manual 13: Emergency Operations Revision: 81 Effective Date: November 17, 2021 Prepared by System Operations Division PJM © 2021. To the extent the permittee receives an emergency order from PJM, the emissions limit remains in effect unless the permittee demonstrates that compliance with the 0.070 lb/MMBtu is technically infeasible.

(2) Emissions of NOx expressed as NO2 from Boiler 1 and 2 (Source ID 031 and 032) are individually limited to a maximum of 0.27 lb NOx /MMBtu on a daily average basis under all operating conditions.

[0.27 lb NOx/MMBtu all hours during any calendar day are subject to this limit, even if only one full operating hour qualifies.]

(3) Emissions of NOx expressed as NO2 from Boiler 1 and 2 (Source ID 031 and 032) are individually limited to a maximum 700 lbs NOx/hr on a 30-operating day rolling average basis under all operating conditions.

[The 700 lb/hr limit shall be computed by adding up the NOx emissions and heat input over the last 30 operating days then dividing the NOx emissions in lb by the number of hours operated. An operating day is defined as a day during which the facility was operated for any hour.]

**# 002 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

The owner or operator shall maintain NOx controls as effective as reasonably possible during startups and shutdowns.

## SECTION E. Source Group Restrictions.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

The permittee shall monitor the following for Boiler 1 and 2 (Source ID 031 and 032):

(a) The SCR inlet temperature, continuously, in order to determine compliance with the O&M Plan.

(b) The ammonia injection rate to the SCR, continuously, in order to determine compliance with the O&M Plan.

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

In accordance with §129.100(d), the owner and operator of an air contamination source subject to this section and §§129.96-129.99 shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

The records must include sufficient data and calculations to demonstrate that the requirements of 25 Pa. Code §§129.96 – 129.99 are met.

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

**# 005 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

In accordance with §129.100(i), records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**# 006 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

The permittee shall keep records of the following for Boiler 1 and 2 (Source ID 031 and 032) to demonstrate compliance with 25 Pa. Code §129.99 in the following manner:

(a) The SCR inlet temperature continuously with at least one reading every 15 minutes.

(b) The ammonia injection rate to the SCR hourly with at least one reading every hour.

(c) The records must include sufficient data, including SCR inlet temperature for each boiler; ammonia injection rate for each boiler, and calculations to demonstrate that the requirements of §129.99 are met.

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

### V. REPORTING REQUIREMENTS.

**# 007 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

(a) The permittee shall report monthly the following records:
(i) Hourly load levels,
(ii) Heat input,
(iii) Ammonia injection rates,
(iv) NOx rates,
(v) Total NOx emissions,
(vi) Whether or not they believe they are subject to the 0.070 lb NOx/MMBtu limit,
(vii) SCR emission setpoint,

## SECTION E. Source Group Restrictions.

(viii) SCR inlet and outlet temperature,
(ix) Clearly indicate any days which an emission level of 0.070 lb NOx/MMBtu is exceeded,
(x) For days where the 0.070 lb NOx/MMBtu limit is exceeded for any reason, all information above shall be provided on an hourly basis.
(xi) Detailed explanation for why they exceeded their emission limit. This explanation shall at a minimum include the event that occurred, a detailed explanation of why this event caused an increase in emissions, an estimate of how much emissions increased due to this event including the methodology used to derive this number, the emission setpoint the SCR controller was targeting during this time, and what measures are being taken to prevent similar measures from occurring in the future.
(xii) Clearly document how the permittee determines whether or not they believe they are subject to the 0.070 lb NOx/MMBtu hourly limit.
(xiii) Should the facility be unable to report one of the temperatures due to a malfunction of the data acquisition equipment, and fixing the malfunction shall require significant disruption to plant operations, the facility may report either the inlet or outlet temperature to the Department. Should the facility choose this option, they must provide the Department with an equation to calculate the missing temperature. In addition, all factors used in the equation must be reported to the Department on an hourly basis and during all times the equation is in use. Any malfunction in the data acquisition equipment must be fixed during the next major outage.

(b) The monthly report shall be submitted within 30 days after the end of each month.

(c) The Department reserves the right to request additional ammonia injection, temperature or other data.

**# 008 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

(a) The permittee shall provide a maintenance plan on an annual basis. At a minimum, the maintenance plan will include a detailed plan for testing and under what criteria catalyst layer replacement will occur, the burner and SCR tuning and maintenance schedule, all available documentation regarding any training of plant personnel on the operation of the LNB and SCR, the full SCR operating manual , the maintenance schedule for cleaning the economizer and air preheater, and any other periodic and or major maintenance items taking place during the year. The submittal date for the annual report shall be no later than January 30th for the previous calendar year. The annual report may be concluded with the semi-annual monitoring report or annual compliance certification.

(b) The permittee will provide the results of all catalyst and burner testing to the Department within 30 days of their receipt of the test results.

(c) The permittee will include an annual catalyst activity test in their annual maintenance plan. Each test shall be no greater than 16 months apart and one shall be completed in each calendar year.

(d) The Department reserves the right to modify the maintenance plan provided by Conemaugh Generating Station.

[Additional authorization for this condition is derived from 25 Pa. Code §127.441]

## VI. WORK PRACTICE REQUIREMENTS.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The owner or operator shall operate and maintain LNB in accordance with the manufacturer's specifications and in a manner consistent with good engineering and air pollution control practices.

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

All operators of Boiler 1 and 2 (Source ID 031 and 032), SCR, and LNB shall be trained in the operation and maintenance of the unit(s) they are assigned to operate by qualified personnel.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Within 3 months of the effective date of this permit, the facility shall set the SCR at a target NOx emission rate of 0.06 lb NOx /MMBtu or less for Boiler 1 and 2 (Source ID 031 and 032).

## SECTION E. Source Group Restrictions.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall operate NOx controls on a year around basis.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Within 180 days of the effective date of this permit, the owner or operator shall provide a full and complete technical and, if applicable, economic evaluation to the Department on the possibility of heating the flue gas prior to the SCR inlet to allow the SCR to operate at low load levels. The Department shall have sole discretion to determine when the evaluation is full and complete, and this must occur within 180 days of the effective date of this permit unless an extension is granted by the Department. Should the Department determine that this is both technically and economically feasible, Conemaugh Generating Station will work with the Department to determine a deadline for the installation of this technology as part of the plan approval process.

**# 014 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

The owner or operator shall calibrate, operate, and maintain all elements of the SCR system and units in accordance with the manufacturer's specifications, in a manner consistent with good engineering and air pollution control practices when the SCR system is in use.

**# 015 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

(a) The owner or operator shall take steps to bring NOx controls back into full service as quickly as practicable whenever the control equipment experiences a malfunction.

(b) The owner or operator shall document and report to the DEP, information regarding the cause of the malfunction and the steps for bringing the controls back.

**# 016 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

The owner or operator shall develop, maintain, and implement an operation and maintenance plan (O&M Plan) for Boiler 1 and 2 (Source ID 031 and 032) and the SCR within 30-days of issuance of this Permit. The O&M Plan shall include, but not be limited to the following:

(a) Inspection, repairs, and preventive maintenance procedures to be followed to ensure proper operation of the Boiler 1 and 2 and SCR system and continuing compliance with the applicable emission limits specified in this Permit.

(b) A description of preventive maintenance schedules, spare parts inventories, procedures and protocols for unscheduled outages, and provisions for equipment replacement and measures to be taken to protect SCR system in the event of failure or shutdown.

(c) Inspections of duct work and boiler casing and repairs of leaks to maintain flue gas temperature.

(d) Details of the practices and procedures to be followed during periods of startup, shutdown and upset conditions in order to prevent emissions in excess of the standards specified in this permit.

**# 017 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

The owner or operator shall develop, maintain, and implement an operation and maintenance plan (O&M Plan) for Boiler 1 and 2 (Source ID 031 and 032) and LNB within 30-days of issuance of this Permit. The O&M Plan shall include, but not be limited to the following:

(a) Inspection, repairs, and preventive maintenance procedures to be followed to ensure proper operation of the Boiler 1 and 2 (Source ID 031 and 032) and LNB and continuing compliance with the emission standards specified in this Permit.

(b) A description of preventive maintenance schedules, spare parts inventories, procedures and protocols for unscheduled outages, and provisions for equipment replacement and measures to be taken to protect air pollution control equipment in the event of any control equipment failure or shutdown.

## SECTION E. Source Group Restrictions.

(c) Details of the practices and procedures to be followed during periods of startup, shutdown and upset conditions in order to prevent emissions in excess of the standards specified in this permit.

(d) Inspections, repair and testing of Over Fire Air (OFA) components.

(e) Details of the practices and procedures to be followed to ensure that the boiler is tuned to optimize NOx reduction over combustion efficiency, including but not limited to the properly adjusted burner angle.

### VII. ADDITIONAL REQUIREMENTS.

**# 018 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with §129.99(g), the emission limit and requirements specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f) supersede the emission limit and requirements in the existing plan approval or operating permit issued to the owner or operator of the source prior to April 23, 2016, on the date specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f), except to the extent the existing plan approval or operating permit contains more stringent requirements.

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

## SECTION E. Source Group Restrictions.

Group Name: G10

Group Description: NOx CEMs Requirements

Sources included in this group

| ID | Name |
|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) |
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) |

### I. RESTRICTIONS.

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

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from, 40 CFR Part 75, 40 CFR Sections 52.2020, and 25 Pa. Code Sections 139.4, & 139.101]

a. Continuous Emission Monitoring Requirements

1. The following continuous emission monitoring systems (CEMS) must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

For Source: Boiler 1 and 2 (Source ID 031 and 032)

| Pollutant | Measurement | Averaging Period | Standard | Basis |
|---|---|---|---|---|
| NOx | lb/MMBtu | Calendar Day | 0.070 lb/MMBtu | Continuously excluding emissions during start-up, and shut-down; operation pursuant to emergency generation required by PJM, including any necessary testing for such emergency operations; and during periods in which compliance with this emission limit would require operation of any equipment in a manner inconsistent with technological limitations, good engineering and maintenance practices, and/or good air pollution control practices for minimizing emissions |
| NOx | lb/MMBtu | Calendar Day | 0.27 lb/MMBtu | Continuously under all operating conditions |
| NOx | lb/hr | 30-operating day | 700 lb/hr | Continuously under all operating conditions |

Note: Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the terms of this permit condition.

b. Data Availability Standards

1. The continuous emission monitoring systems (CEMS) for NOx are required by 25 Pa. Code §139.101(12) to meet at

## SECTION E. Source Group Restrictions.

least one of the following minimum data availability requirements unless other data availability requirements are stipulated elsewhere:

i In each calendar month, at least 90% of the time periods for which an emission standard or an operational parameter applies shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001).

ii In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of the Manual (Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001).

Note: Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the terms of this permit condition.

c. Certification and Testing Requirements

i. Initial Application (Phase I)
Upon promulgation of a monitoring requirement, a proposal containing information as listed in the Phase I section of the Department's Continuous Source Monitoring Manual for the proposed CEMS must be submitted to the Department 180 days prior to the initial startup of a new source and within 180 days of promulgation of a monitoring requirement for an existing source.

ii. Performance Testing (Phase II)
After approval of Phase I, the applicant shall proceed with purchasing, installation, and performance testing. The CEM Section must be advised in writing at least 45 days prior to Performance Specification Testing to provide the opportunity to observe and participate in all testing. A testing protocol, describing all testing procedures and methodology to be used must accompany the notice of testing. Schedule changes must be reported seven days prior to testing except that failed tests may be repeated immediately. Testing as listed in the Phase II section of the Department's Continuous Source Monitoring Manual must be completed for the CEMS[s] no later than 180 days after initial source startup and no later than 60 days after the source achieves normal process capacity. During testing, the source must be operated in a manner that is representative of normal operating conditions. All other notifications and performance specification testing must be conducted in accordance with the Department's Continuous Source Monitoring Manual.

iii. Final Approval (Phase III)
The final report of testing as listed in the Phase III section of the Department's Continuous Source Monitoring Manual must be submitted to the Bureau no later than 60 days after completion of the testing. The owner or operator of the source shall not be issued an operating permit until the CEMS have received Phase III approval, in writing from the Department, when installation of a CEMS is made a condition of the plan approval. Until Phase III Department approval is obtained, operation shall be covered solely under condition of a plan approval.

Note: Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the terms of this permit condition.

## IV. RECORDKEEPING REQUIREMENTS.

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

[Additional authority for this permit condition is derived from 40 CFR Part 75, 40 CFR Sections 52.2020, and 25 Pa. Code Sections 139.101(5) and 139.101(12).]

1. The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

2. Records shall be retained for at least 5 years and shall be made available to the Department upon request.

Note: Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

## SECTION E. Source Group Restrictions.

### V. REPORTING REQUIREMENTS.

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Reporting Requirements:
[Additional authority for this permit condition is derived from, 40 CFR Part 75, 40 CFR Sections 52.2020, and 25 Pa. Code Sections 139.101(1)(iv)4, 139.101(10) & 139.101(12)]

1. The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

2. The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

3. Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

4. Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

5. Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

Note: Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

### 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.**

Quality Assurance Requirements:

[Additional authority for this permit condition is derived from, 40 CFR Part 75, 40 CFR Sections 52.2020, and 25 Pa. Code Sections 139.101(1)(iv), 139.101(2), 139.101(3), 139.101(4), 139.101(6), 139.101(7), 139.101(8), 139.101(12), 139.101(14), and 139.101(15)]

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

Note: Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall perform the emissions monitoring analysis procedures or test methods required under an applicable requirement including procedures and methods under Sections 114(a)(3) ( 42 U.S.C.A.§§ 7414 (a)(3)) or 504(b) ( 42 U.S.C.A.§§ 7661c(b)) of the Clean Air Act.

Note: Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

## SECTION E. Source Group Restrictions.

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

## SECTION E. Source Group Restrictions.

Group Name: G11

Group Description: Alternative RACT II for Auxiliary Boilers

Sources included in this group

| ID | Name |
|---|---|
| 039 | CMBSTN ENGINEEING AUX BOILER A (211.5 MMBTU/HR, STARTUP BLR) |
| 041 | ALSTOM PWR 32VP2180,AUXILIARY BOILER B (212.5 MMBTU/HR) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

Emissions of NOx, expressed as NO2, for the Auxiliary Boiler A (Source ID 039) are limited to a maximum of 0.135 lb/MMBtu.

Emissions of NOx, expressed as NO2, for the Auxiliary Boiler A (Source ID 039) are limited to a maximum of 12.5 tpy based on a 12-month rolling total.

Emissions of NOx, expressed as NO2, for the Auxiliary Boiler B (Source ID 041) are limited to a maximum of 0.179 lb/MMBtu.

Emissions of NOx, expressed as NO2, for the Auxiliary Boiler B (Source ID 041) are limited to a maximum of 16.7 tpy based on a 12-month rolling total.

[Emission limitations for Auxiliary Boiler A (Source ID 039) were also derived from Plan Approval PA-32-00059A]

**# 002 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

Operation of Auxiliary Boilers A and B (Source ID 039 and 041) shall not exceed a 10% annual capacity factor. These units shall be operated and maintained in accordance with manufacturers' specifications, and good air pollution control and engineering practices.

### II. TESTING REQUIREMENTS.

**# 003 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

A minimum of one (1) stack test in accordance with in 25 Pa. Code, Chapter 139, Subchapter A (relating to sampling and testing methods and procedures) and the Department Source Testing Manual shall be performed on Auxiliary Boiler A and B (Source ID 039 and 041) during each five (5) calendar year period to verify the emission rates for NOx.

[Testing was last conducted on November 4, 2021 for Auxiliary Boiler B and December 7, 2021 for Auxiliary Boiler A]

[Also authorized by 25 Pa. Code Section 129.100(a)(4)]

### 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.**

All records shall be retained by the permittee for five (5) years and made available to the Department upon request.

**# 005 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

In accordance with §129.100(d), the owner and operator of an air contamination source subject to this section and §§129.96-129.99 shall keep records to demonstrate compliance with §§129.96-129.99 in the following manner:

The records must include sufficient data and calculations to demonstrate that the requirements of 25 Pa. Code §§129.96 –

## SECTION E. Source Group Restrictions.

129.99 are met.

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

**# 006 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

In accordance with §129.100(i), records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**# 007 [25 Pa. Code §129.99]**

**Alternative RACT proposal and petition for alternative compliance schedule.**

(a) Maintain an operating log for Auxiliary Boilers A and B (Source ID 039 and 041) to verify that the heat input from natural gas limit and the annual capacity factor limit are not exceeded.

(b) The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses to verify compliance with the annual capacity factor limitation of 10%.

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

In accordance with §129.99(g), the emission limit and requirements specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f) supersede the emission limit and requirements in the existing plan approval or operating permit issued to the owner or operator of the source prior to April 23, 2016, on the date specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f), except to the extent the existing plan approval or operating permit contains more stringent requirements.

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

## SECTION E. Source Group Restrictions.

Group Name: G12

Group Description: FIP Requirements

Sources included in this group

| ID | Name |
|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) |
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) |

### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is derived from 40 CFR § 52.2065(f)]

(a) The total combined NOx emissions from Source IDs 031 and 032 shall not exceed 0.072 lb/MMBtu on a 30-operating day rolling average. This emission limit may also be referred to as the "Facility-wide 30-Day Rolling Average NOx Emission Rate".

(b) The Facility-wide 30-Day Rolling Average NOx Emission Rate applies for any type of fuel combusted in Source IDs 031 and 032.

(c) The total combined NOx emissions from Source IDs 031 and 032 shall be calculated in accordance with the following procedure:

Sum the total pounds of NOX emitted from all Units during the current Operating Day and the previous (29) Operating Days; sum the total heat input from all Units in MMBtu during the current Unit Operating Day and the previous (29) Operating Days; and divide the total number of pounds of NOx emitted from all Units during the (30) Operating Days by the total heat input during the (30) Operating Days. A new Facility-wide 30-Day Rolling Average NOx Emission Rate shall be calculated for each new Operating Day. Each 30-Day Rolling Average NOx Emission Rate shall include all emissions that occur during all periods within any Operating Day, including, but not limited to, emissions from startup, shutdown, and malfunction.

(d) Daily NOx emissions from Source ID 031 (Unit 1) shall not exceed 14,308 lb per unit operating day.

(e) Daily NOx emissions from Source ID 032 (Unit 2) shall not exceed 14,308 lb per unit operating day.

(f) The lb per operating day limit shall include all emissions that occur during all periods within any Operating Day, including, but not limited to, emissions from startup, shutdown, and malfunction.

(g) The daily limit shall be expressed in lb/day and calculated as the sum of total pounds of NOx emitted from each individual source during the Unit Operating Day.

### Fuel Restriction(s).

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 51.308(f)(2)]

Source 031 and Source 032 may not operate after December 31, 2028.

### 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 E. Source Group Restrictions.

### III. MONITORING REQUIREMENTS.

**# 003 [25 Pa. Code §127.511]**

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

[Authority for this permit condition is derived from 40 CFR § 52.2065(g)]

The permittee shall utilize the following methods when determining compliance with the NOx RACT emission limits:

(a) For the Facility-wide 30-operating day rolling average NOx emission limit, 40 CFR parts 60 and 75, appendix F, Procedure 1;

(b) For the Unit-specific Daily NOx Mass Emission Limits, 40 CFR part 75.

### IV. RECORDKEEPING REQUIREMENTS.

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is derived from 40 CFR § 52.2065(h)]

The permittee shall create and maintain records of the following for Source ID 031 and 032:

(a) The hourly heat input for each unit (MMBtu);
(b) The specific hourly ammonia injection amounts for each unit; and
(c) The specific hourly NOx emission rate (lb/MMBtu) for each unit.

Records shall be retained for at least five (5) years from the date of creation of the data and shall be made available to the Department upon request.

### V. REPORTING REQUIREMENTS.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is derived from 40 CFR § 52.2065(h)]

(a) The permittee shall electronically submit to the Department a periodic report, by March 1 (for the July 1 through December 31 reporting period of the preceding year) and September 1 (for the January 1 through June 30 reporting period of the concurrent year). The periodic report shall include an unlocked electronic spreadsheet format, such as Excel or other widely-used software, and contain data for each Operating Day during the reporting period, including, but not limited to: Facility ID (ORISPL); Facility name; Unit ID; Date; Unit-specific total Daily Operating Time (hours); Unit-specific Daily NOx Mass Emissions (lbs); Unit-specific total Daily Heat Input (MMBtu); Unit-specific Daily NOx Emission Rate (lb/MMBtu); Facility-wide 30-Day Rolling Average NOx Emission Rate (lb/MMBtu); Owner; Operator; Representative (Primary); and Representative (Secondary).

(b) For purposes of the periodic reports submitted pursuant to this condition, the permittee may incorporate by reference information previously submitted to the Department under its Title V permitting requirements, so long as that information is adequate to determine compliance with the emission limits and in the same electronic format as required for the periodic report, and provided that the permittee attaches the Title V Permit report (or the pertinent portions of such report) and provides a specific reference to the provisions of the Title V Permit report that are responsive to the information required in this periodic report.

(c) The periodic report shall be certified by the Responsible Official for the facility.

### VI. WORK PRACTICE REQUIREMENTS.

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

### VII. ADDITIONAL REQUIREMENTS.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

## SECTION E. Source Group Restrictions.

Units 1 and 2 (Source IDs 031 and 032) are subject to a Federal Implementation Plan (FIP) for NOx RACT2, which is codified in 40 CFR § 52.2065.

The permittee shall comply with all applicable requirements of 40 CFR § 52.2065(a)-(h).

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

## SECTION F. Alternative Operation Requirements.

Alternative Operation Name: OPTIONAL SORBENT INJECTION SYSTEM 1

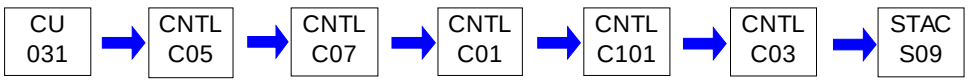
***#001 CHANGES FROM NORMAL OPERATION***

Use of optional Sorbent Injetion System.

Sources included in this Alternative Operation:

| ID | Name | Source Type |
|---|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) | Combustion Unit |

Alternative Operation Map:




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Visible emissions from each limestone and hydrated lime (SO3 sorbent) storage silo shall not equal or exceed 10% opacity at any time.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The Owner/Operator shall continuously monitor and record the following additional parameters for both Unit 1 and 2:

(a) Limestone addition rate; and

(b) SO3 sorbent (hydrated lime) injection rate.

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §123.25]**

**Monitoring requirements**

Limestone and SO3 sorbent (hydrated lime) shall be delivered to the Facility in enclosed trucks and pneumatically transferred to storage silos equipped with bin vent filters. Unloading shall not take place unless the pneumatic transfer and bin vent filters are working properly.

## SECTION F. Alternative Operation Requirements.

### VII. ADDITIONAL REQUIREMENTS.

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The operation of Sorbent Injection into the flue gas of Main Boiler Units #1 and #2 is a voluntary pollution control project and is not required by regulation for operation of the subject sources.

## SECTION F. Alternative Operation Requirements.

Alternative Operation Name: OPTIONAL SORBENT INJECTION SYSTEM 2

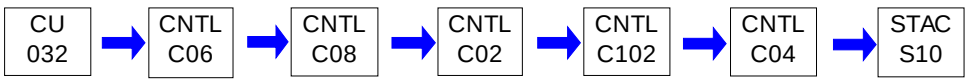
***#001 CHANGES FROM NORMAL OPERATION***

Use of optional Sorbent Injection System.

Sources included in this Alternative Operation:

| ID | Name | Source Type |
|---|---|---|
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) | Combustion Unit |

Alternative Operation Map:




### I. RESTRICTIONS.

### Emission Restriction(s).

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Visible emissions from each limestone and hydrated lime (SO3 sorbent) storage silo shall not equal or exceed 10% opacity at any time.

### II. TESTING REQUIREMENTS.

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

### III. MONITORING REQUIREMENTS.

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The Owner/Operator shall continuously monitor and record the following additional parameters for both Unit 1 and 2:

(a) Limestone addition rate; and

(b) SO3 sorbent (hydrated lime) injection rate.

### IV. RECORDKEEPING REQUIREMENTS.

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

### V. REPORTING REQUIREMENTS.

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

### VI. WORK PRACTICE REQUIREMENTS.

**# 003 [25 Pa. Code §123.25]**

**Monitoring requirements**

The operation of Sorbent Injection into the flue gas of Main Boiler Units #1 and #2 is a voluntary pollution control project and is not required by regulation for operation of the subject sources.

### VII. ADDITIONAL REQUIREMENTS.

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

## SECTION F. Alternative Operation Requirements.

The operation of Sorbent Injection into the flue gas of Main Boiler Units #1 and #2 is a voluntary pollution control project and is not required by regulation for operation of the subject sources.

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

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|
| 031 | MAIN BOILER 1 (PC, 8,280 MMBTU/HR) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 5.000 | PPMV | | Ammonia |
| 0.070 | Lbs/MMBTU | on a daily average basis | NOX |
| 0.300 | Lbs/MMBTU | on a daily average basis under all operating conditions | NOX |
| 0.450 | Lbs/MMBTU | (30 day rolling average) | NOX |
| 800.000 | Lbs/Hr | on a 30-operating day rolling average basis under all operating conditions | NOX |
| 4,753.000 | Lbs/Hr | | NOX |
| 16,320.000 | Tons/Yr | | NOX |
| 0.200 | Lbs/MMBTU | | SO2 |
| 1,656.000 | Lbs/Hr | | SO2 |
| 7,253.000 | Tons/Yr | | SO2 |
| 0.100 | Lbs/MMBTU | | TSP |
| 828.000 | Lbs/Hr | | TSP |
| 3,627.000 | Tons/Yr | | TSP |

| | |
|---|---|
| 032 | MAIN BOILER 2 (PC, 8,280 MMBTU/HR) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 5.000 | PPMV | | Ammonia |
| 0.070 | Lbs/MMBTU | on a daily average basis | NOX |
| 0.300 | Lbs/MMBTU | on a daily average basis under all operating conditions | NOX |
| 0.450 | Lbs/MMBTU | (30 day rolling average) | NOX |
| 800.000 | Lbs/Hr | on a 30-operating day rolling average basis under all operating conditions | NOX |
| 4,753.000 | Lbs/Hr | | NOX |
| 16,320.000 | Tons/Yr | | NOX |
| 0.200 | Lbs/MMBTU | | SO2 |
| 1,656.000 | Lbs/Hr | | SO2 |
| 7,253.000 | Tons/Yr | | SO2 |
| 0.100 | Lbs/MMBTU | | TSP |
| 828.000 | Lbs/Hr | | TSP |
| 3,627.000 | Tons/Yr | | TSP |

| | |
|---|---|
| 039 | CMBSTN ENGINEEING AUX BOILER A (211.5 MMBTU/HR, STARTUP BLR) |

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.143 | Lbs/MMBTU | When burning natural gas | CO |
| 13.240 | Tons/Yr | When burning natural gas | CO |
| 30.240 | Lbs/Hr | When burning natural gas | CO |
| 0.135 | Lbs/MMBTU | When burning natural gas | NOX |
| 0.135 | Lbs/MMBTU | | NOX |
| 0.179 | Lbs/MMBTU | | NOX |
| 12.500 | Tons/Yr | When burning natural gas | NOX |
| 12.500 | Tons/Yr | on a 12-month rolling total (Source ID 039) | NOX |
| 16.700 | Tons/Yr | on a 12-month rolling total (Source ID 041) | NOX |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|

| | | | |
|---|---|---|---|
| 28.500 | Lbs/Hr | When burning natural gas | NOX |
| 0.001 | Lbs/MMBTU | When burning natural gas | SO2 |
| 0.050 | Tons/Yr | When burning natural gas | SO2 |
| 0.118 | Lbs/Hr | When burning natural gas | SO2 |
| 0.006 | Lbs/MMBTU | When burning natural gas | TSP |
| 0.560 | Tons/Yr | When burning natural gas | TSP |
| 1.270 | Lbs/Hr | When burning natural gas | TSP |
| 0.004 | Lbs/MMBTU | When burning natural gas | VOC |
| 0.390 | Tons/Yr | When burning natural gas | VOC |
| 0.888 | Lbs/Hr | When burning natural gas | VOC |

041 ALSTOM PWR 32VP2180,AUXILIARY BOILER B (212.5 MMBTU/HR)

| Emission Limit | | | Pollutant |
|---|---|---|---|
| 0.084 | Lbs/MMBTU | | CO |
| 7.800 | Tons/Yr | | CO |
| 17.900 | Lbs/Hr | | CO |
| 0.135 | Lbs/MMBTU | | NOX |
| 0.179 | Lbs/MMBTU | | NOX |
| 12.500 | Tons/Yr | on a 12-month rolling total (Source ID 039) | NOX |
| 16.700 | Tons/Yr | on a 12-month rolling total (Source ID 041) | NOX |
| 0.030 | Lbs/MMBTU | | PM10 |
| 2.790 | Tons/Yr | | PM10 |
| 6.380 | Lbs/Hr | | PM10 |
| 0.510 | Lbs/MMBTU | | SOX |
| 39.900 | Tons/Yr | | SOX |
| 101.300 | Lbs/Hr | | SOX |
| 0.007 | Lbs/MMBTU | | VOC |
| 0.600 | Tons/Yr | | VOC |
| 1.300 | Lbs/Hr | | VOC |

102 2 EMERGENCY DIESEL GENERATORS (1,662-BHP, EACH)

| Emission Limit | | Pollutant |
|---|---|---|
| 500.000 | PPMV | SO2 |
| 0.040 | gr/DRY FT3 | TSP |

103 FIRE PUMP DIESEL ENGINE A (283-BHP, NON-EMERGENCY)

| Emission Limit | | Pollutant |
|---|---|---|
| 500.000 | PPMV | SO2 |
| 0.040 | gr/DRY FT3 | TSP |

104 PEAKING DIESEL A (3,600-BHP)

| Emission Limit | | Pollutant |
|---|---|---|
| 500.000 | PPMV | SO2 |
| 0.040 | gr/DRY FT3 | TSP |

## SECTION G. Emission Restriction Summary.

| Source Id | Source Description |
|---|---|
| 105 | PEAKING DIESEL B (3,600-BHP) |

| Emission Limit | | Pollutant |
|---|---|---|
| 500.000 | PPMV | SO2 |
| 0.040 | gr/DRY FT3 | TSP |

| 106 | PEAKING DIESEL C (3,600-BHP) |
|---|---|

| Emission Limit | | Pollutant |
|---|---|---|
| 500.000 | PPMV | SO2 |
| 0.040 | gr/DRY FT3 | TSP |

| 107 | PEAKING DIESEL D (3,600-BHP) |
|---|---|

| Emission Limit | | Pollutant |
|---|---|---|
| 500.000 | PPMV | SO2 |
| 0.040 | gr/DRY FT3 | TSP |

| 112 | FIRE PUMP DIESEL ENGINE B (380-BHP, NON-EMERGENCY) |
|---|---|

| Emission Limit | | Pollutant |
|---|---|---|
| 500.000 | PPMV | SO2 |
| 0.040 | gr/DRY FT3 | TSP |

### Site Emission Restriction Summary

| Emission Limit | Pollutant |
|---|---|

### Alternative Operation Emission Restriction Summary

| Source Id | Source Description |
|---|---|

## SECTION H. Miscellaneous.

1. The emissions, capacities, and throughputs listed in Section A, D, E, F, G, and this section, excluding those in permit restrictions, are for informational purposes only and are not enforceable limits.

2. The following description of the emission processes at Conemaugh is for information purposes only:

This Operating Permit authorizes the Operation of an Electric Generating Plant known as the Conemaugh Station, located in West Wheatfield Township, Indiana County. The main sources at this facility are two (2) pulverized coal-fired (PC) boilers (Source IDs 031 and 032), with nominal fuel heat inputs of 8,060 MMBtu/hour. Each boiler powers an electrical generator with a nameplate capacity of 856-MW, for a combined capacity of 1,711-MW. Emissions from the PC boilers are controlled by low NOx burners and selective catalytic reduction systems (SCR) (Control IDs C07 and C08) to control NOx emissions, ammonia injection enhanced electrostatic precipitators (ESP) (Control IDs C01 and C02) to control PM emissions, and wet limestone scrubbers (Control IDs C03 and C04) to control sulfur dioxide (SO2) emissions. Collection of SO2, heavy metals, and acid gases, including hydrochloric acid and hydrofluoric acid, takes place in the wet scrubbers. The boilers are able to comply with NOx emission limits with the SCR systems out of service. The SCR systems are operated at the option of the company, and reduce the number of NOx emission credits from a NOx trading program, used by the station. Normally, the SCRs are operated only during the five-month (May-September) “ozone” season. Operation of the SCR systems is included in the permit as an Alternative Operation Scenario. Each boiler train is also equipped with an optional Sorbent Injection System (Control IDs C101 and C102) for control of SO3. Sorbent injection can be concurrent with, or independent of, SCR operation. Both boilers discharge to a single, dual-flue stack (Stack IDs S09 and S10). Natural gas is combusted during startup.

Supporting equipment at this site includes two, 211.5 and 212.5 MMBtu/hour, auxiliary boilers, four, 3,600-BHP, peaking, diesel electrical generators, two, emergency, diesel generators (Each 1,662-bhp), two, non-emergency, diesel engines (283-bhp and 380-bhp), limestone processing, coal storage piles, plant roads, and gypsum production.

3. Source #102, 4 Emergency Diesel Generators (4,629-bhp total) is comprised of diesel engines with a rated power greater than 500-bhp.

4. The following have been identified as insignificant sources/activities at this facility:

General storage tanks
General storage tanks (HAPs
Fly ash silos
Lime silos
Cylinder gasses for CEMs
Water treatment systems
Support systems equipment
Battery room
Transformers
Lube oil reservoir vapor extractors
Miscellaneous boiler house vents
Miscellaneous vented equipment
Contractor equipment
Diethylene glycol usage
FGD Hydrated Lime Silo (WWT)
FGD WPT Clarifier
FGD WWT Cooling Tower
FGD WWT and WPT Totes
4 Parts washers

5. The ongoing requirements of PA-32-32-00059B has been incorporated into this Operating Permit. The daily inspection of the coal processing plant described in this Plan Approval shall be incorporated into daily inspection of the Conemaugh Station.

6. The Acid Rain Permit application is attached to this TVOP as Attachment 1, as instructed by EPA, Region 3.

## SECTION H. Miscellaneous.

7. For Emergency Generator Engines (Source ID 102), for the purposes of establishing NOx (Nitrogen Oxides, expressed as NO2) and VOC potential to emit (PTE) only (In other words, these are not emission limits.), the following shall apply:

Emergency Diesels: 15.5 tpy NOx, 0.50 tpy VOC. (25 Pa. Code § 127.441)

8. For the Fire Pump Engines (Source ID 103), for the purposes of establishing NOx (Nitrogen oxides, expressed as NO2) and VOC potential to emit (PTE) only (In other words, these are not emission limits.), the following shall apply:

Fire Pump Diesels: 3.1 tpy NOx, 0.25 tpy VOC. (25 Pa. Code § 127.441)

9. For the purposes of establishing NOx (nitrogen oxides, expressed as NO2) and VOC potential to emit (PTE) only (In other words, these are not emission limits.), the following shall apply:

Space Heaters: 18.5 tpy NOx, 0.26 tpy VOC. (25 Pa. Code § 127.441)

10. PA DEP methodology for reduction of visual opacity data observed in accordance with EPA Method 9: This data reduction methodology differs from EPA Method 9 in that it does not require a single continuous time interval and does not average datum of individual observations. Visual observations in accordance with Method 9 take place every 15 seconds and are recorded for this time interval. Since the observations of 20%, or greater, can be during multiple intervals, the number of high opacity observation readings are merely counted. For an emission limitation of opacity not to equal or exceed 20% for a period aggregating more than three minutes in any 1 hour, a total of 13 observations equal to or greater than 20% would exceed this standard.

11. [Removed]

On November 16, 2017, this permit was amended to change the name of the Responsible Official from John A. Balog to Carson Leikam. At the same time, a typographical error was corrected in Paragraph 1 of this Section.

This permit was administratively amende on October 17, 2019 to incorporate the change of ownership and to correct minor typographical errors.

12. Effective January 1, 2020, the following person has been identified as an additional Responsible Official for the Conemaugh Station:

Luke Henderson
Sr. Operations Director
Consolidates Asset Management Services
801 Corporate Center Drive Suite 116
Releigh, NC 27607

13. On April 16, 2021, the Department determined that a 100,000 tpy (12-month rolling basis) gypsum stockpile and associated material handling and transportation activities is exempt from plan approval requirements per 25 Pa. Code §127.14(a)(8)[44- Any source granted an exemption by the Department through the execution of a Request for Determination of Requirement for Plan Approval/Operating Permit (RFD) form]. The Department understands that the PM emissions are al fugitive and mostly due to the increased truck traffic on paved roads. Emissions are calculated using AP-42 emission factors with some engineering judgement with aggressive roadway watering and sweeping measures in order to minimize these fugitive emissions. PTE emissions are: 4.67 tpy PM, 1.05 tpy PM10, and 0.21 tpy PM2.5.

14. The EPA Administrator signed the Revised Cross-State Air Pollution Rule Update for the 2008 Ozone NAAQS on March 15, 2021 and EPA is submitting it for publication in the Federal Register. The final rule is effective 60 days after the date of publication in the Federal Register. The facility should submit information to the Department to request modification of the permit to remove the requirements of 40 CFR 97 Subpart EEEEE and include the applicable requirements of 40 CFR 97 Subpart GGGGG and any other applicable revisions to Subparts AAAAA, and CCCCC so that a revision of the permit can be completed within 18 months after promulgation of the applicable requirement. [Modification of the permit was requested on April 14, 2021].

## SECTION H. Miscellaneous.

15. [Reserved]

16. For permit reference, Unit 1 and 2 refer to Boiler 1 and 2 (Source ID 031 and 032).

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