COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	December 15, 2020	Effective Date:	June 26, 2022
Revision Date:	May 12, 2022	Expiration Date:	November 30, 2025
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: 32-00055

Federal Tax Id - Plant Code: 80-0833693-1

Owner Information

Name: HOMER CITY GENERATION, L.P.
Mailing Address: 1750 POWER PLANT RD
HOMER CITY, PA 15748-8009

Plant Information

Plant: HOMER CITY GEN LP/CENTER TWP
Location: 32 Indiana County 32912 Center Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Operator

Name: NRG HOMER CITY SERVICES LLC [If different from owner]
Mailing Address: 1750 POWER PLANT RD
HOMER CITY, PA 15748-8009

Responsible Official

Name: MICHAEL LEVESQUE
Title: GENERAL MANAGER
Phone: (724) 479 - 6233 Email: Michael.Levesque@nrg.com

Permit Contact Person

Name: GARY CLINE
Title: ENVIRONMENTAL MGR
Phone: (724) 479 - 6255 Email: gary.cline@nrg.com

[Signature] _____
ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

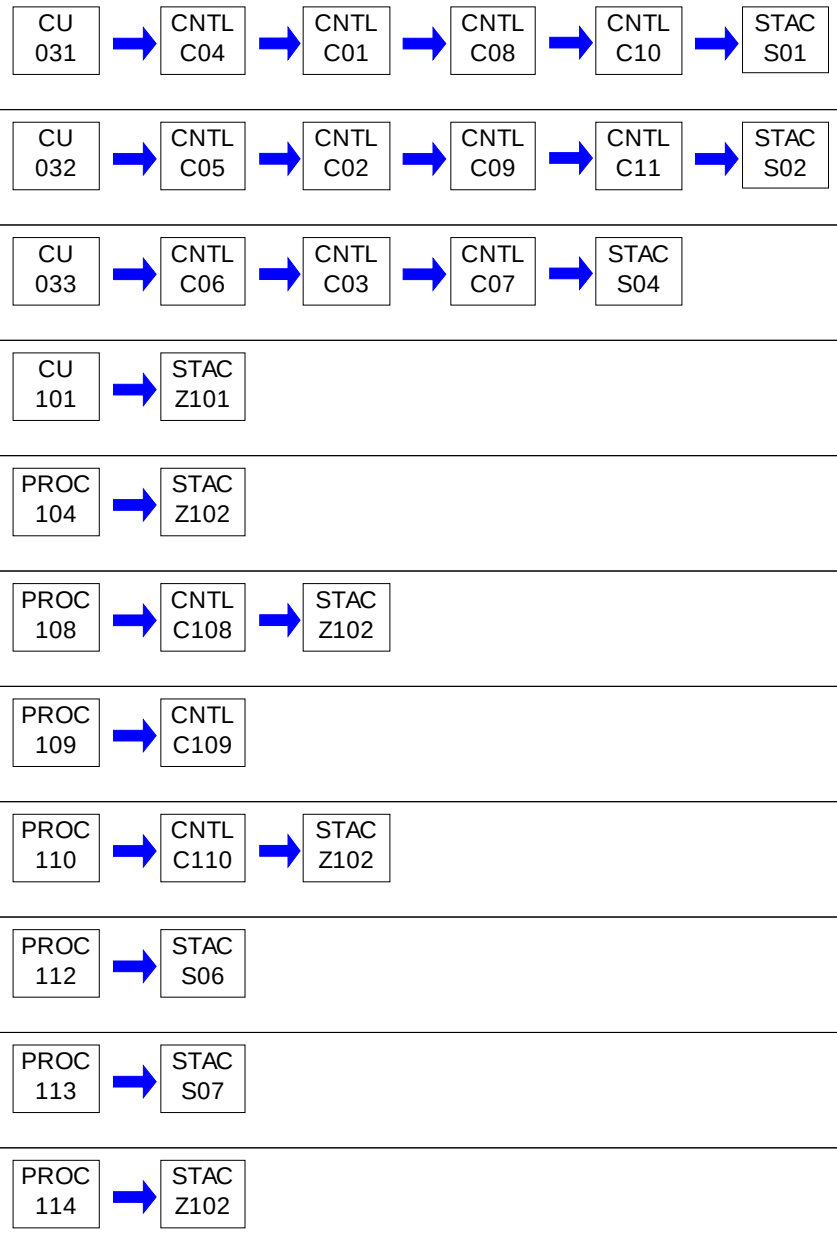
SECTION A. Table of Contents

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	BOILER NO.1 (UNIT 1)	6,792.000	MMBTU/HR	
032	BOILER NO.2 (UNIT 2)	6,792.000	MMBTU/HR	
033	BOILER NO.3 (UNIT 3)	7,260.000	MMBTU/HR	
037	B & W AUXILIARY BOILER	313.000	MMBTU/HR	
101	OIL FIRED SPACE HEATERS	58.000	MMBTU/HR	
104	MISCELLANEOUS PLANT FUGITIVES			
107	THREE ANHYDROUS AMMONIA STORAGE TANKS			
108	LIMESTONE AND GYPSUM STORAGE & HANDLING SYSTEM			
109	ACTIVATED CARBON STORAGE & HANDLING SYSTEM			
110	LIME & BYPRODUCT STORAGE & HANDLING SYSTEMS			
111	EMERGENCY DIESEL GENERATOR (855 BHP)	6.360	MMBTU/HR	
112	DIESEL FIRE PUMP (330 BHP)	2.490	MMBTU/HR	
113	EMERGENCY DIESEL GENERATOR (800 BHP)	5.950	MMBTU/HR	
114	UNIT MIX COAL BLENDING YARD			
C01	ESP UNIT 1			
C02	ESP UNIT 2			
C03	ESP UNIT 3			
C04	SCR - UNIT 1 (SELECTIVE CATALYTIC REDUCTION)			
C05	SCR - UNIT 2 (SELECTIVE CATALYTIC REDUCTION)			
C06	SCR - UNIT 3 (SELECTIVE CATALYTIC REDUCTION)			
C07	FGD - UNIT 3 (FLUE GAS DESULFURIZATION)			
C08	ACI - UNIT 1 (ACTIVATED CARBON INJECTION)			
C09	ACI - UNIT 2 (ACTIVATED CARBON INJECTION)			
C10	NID - UNIT 1 (NOVEL INTEGRATED DESULFURIZATION SYSTEM)			
C108	DUST COLLECTORS - SOURCE 108			
C109	DUST COLLECTORS - SOURCE 109			
C11	NID - UNIT 2 (NOVEL INTEGRATED DESULFURIZATION SYSTEM)			
C110	DUST COLLECTORS - SOURCE 110			
S01	UNIT 1 STACK			
S02	UNIT 2 STACK			
S04	UNIT 3 STACK (FROM FGD)			
S06	FIRE PUMP ENGINE STACK			
S07	EMERGENCY GENERATOR 2 STACK			
Z101	OIL SPACE HEATERS			
Z102	PLANT FUGITIVE EXHAUST			

PERMIT MAPS

PERMIT MAPS


CU 031
CNTL C04
CNTL C01
CNTL C08
CNTL C10
STAC S01
CU 032
CNTL C05
CNTL C02
CNTL C09
CNTL C11
STAC S02
CU 033
CNTL C06
CNTL C03
CNTL C07
STAC S04
CU 101
STAC Z101
PROC 104
STAC Z102
PROC 108
CNTL C108
STAC Z102
PROC 109
CNTL C109
PROC 110
CNTL C110
STAC Z102
PROC 112
STAC S06
PROC 113
STAC S07
PROC 114
STAC Z102

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
Air Section
1650 Arch Street, 3ED21
Philadelphia, PA 19103

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) - (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, charac-teristics of emissions, quantity of emissions and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant is 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.

 # 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.

 # 005 [25 Pa. Code §123.42]

Exceptions

The limitations of § 123.41 (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.

SECTION C. Site Level Requirements

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

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

 # 006 [25 Pa. Code §129.14]

Open burning operations

(a) Air basins. No person may permit the open burning of material in an air basin.

(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.

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

(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:

(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.

(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).

(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.

(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

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

SECTION C. Site Level Requirements

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.

Elective Restriction

The permittee shall maintain its facility-wide VOC emissions below 50 TPY.

[This condition streamlines out the VOC restrictions for Sources 031, 032, & 033 (i.e., 152 TPY combined) established under RACT I's § 129.92.]

II. TESTING REQUIREMENTS.

 # 007 [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 any source(s) may be in excess of the limitations specified in this operating permit, or as established pursuant to plan approvals, the permittee may be required to conduct test methods and procedures deemed necessary by the Department to determine the actual emissions rate. Such testing shall be conducted in accordance with Title 25 PA Code Chapter 139, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

[Compliance with this condition assures compliance with PA 32-00055F (Section C, Condition #018),PA 32-00055G (Section C, Condition #012),PA 32-00055H (Section C, Condition #012), & PA 32-00055I (Modified March 29, 2016, Section C, Condition #004).]

III. MONITORING REQUIREMENTS.

 # 008 [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 devices approved by the Department.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(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.

SECTION C. Site Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(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 emissions, visible fugitive emissions and 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, shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

 # 011 [25 Pa. Code §135.21]

Emission statements

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

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

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

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

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

V. REPORTING REQUIREMENTS.

 # 012 [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 or breakdown;

(iii) time when the malfunction or breakdown 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.

SECTION C. Site Level Requirements

(f) 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.

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

Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335
814-332-6945 / 814-332-6940 (Office hours)
1-800-373-3398 (After hours)

 # 013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

With respect to reporting, the permit shall incorporate the applicable reporting requirements and require the following:

(1) Submittal of reports of required monitoring at least every 6 months. Instances of deviations from permit requirements shall be clearly identified in the reports. Required reports shall be certified by a responsible official.

(2) Reporting of deviations from permit requirements within the time required by the terms and conditions of the permit including those attributable to upset conditions as defined in the permit, the probable cause of the deviations and corrective actions or preventive 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.

 # 014 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

Owner/operator shall submit the semi-annual monitoring reports for this facility by January 31 and July 31 of each year. The January 31 semi-annual monitoring report shall cover the period from July 1 through December 31. This semi-annual monitoring report may be included in January 31 Title V Compliance Certification required by Title 25 PA Code § 127.513. The July 31 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. This may require that an interim semi-annual monitoring report (covering a period less than six (6) months) be submitted to bring the facility into compliance with this schedule.

 # 015 [25 Pa. Code §127.513]

Compliance certification.

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

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

Compliance Certifications shall be submitted to the Administrator of the EPA, as well as to the Department. EPA requests that Compliance Certifications be e-mailed to them at the following address: R3_APD_Permits@epa.gov.

 # 016 [25 Pa. Code §127.513]

Compliance certification.

Owner/operator shall submit a Title V Compliance Certification for this facility by January 31 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. 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)

SECTION C. Site Level Requirements

be submitted to bring the facility into compliance with this schedule.

 # 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

Copies of all 40 CFR 60 requests, reports, applications, submittals and other communications shall be submitted to both the Environmental Protection Agency and the Department of Environmental Protection at the addresses shown below unless otherwise noted:

EPA REGION III (i.e., address below included in Section B of this permit):
Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

PADEP NORTHWEST REGIONAL OFFICE:
Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

VI. WORK PRACTICE REQUIREMENTS.

 # 018 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

[§ 123.1(c)]

A person responsible for any source specified in subsections (a)(1)—(7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions 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.

 # 019 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) All material handling conveyors shall be covered to prevent fugitive dust emissions.

(b) A water tank truck, dedicated to the facility, shall be used on the plant roads to prevent fugitive dust and be available at all times.

(c) A distance of 250 feet in each direction from the plant's main entrance shall be maintained as to prevent the generation of fugitive emissions.

(d) Vehicle speed shall be limited to 15 miles per hour through the posting of speed limit signs sufficient to notify vehicles of this restriction.

[PA 32-00055C, Condition #006 (Facility Requirements)]

SECTION C. Site Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 020 [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 there under.

(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 there under.

(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.

(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 there under 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 source.

(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 there under.

(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.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2021 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.

SECTION C. Site Level Requirements

#022 07-MAY-22

To have its Continuous Emissions Monitoring Systems (CEMS) certified for monitoring NOx emissions pursuant to Condition #001(a) of Source Group BOILERS - NOX CEMS in Section E. Source Group Restrictions of this permit, the permittee must submit a proposed CEMS monitoring plan pursuant to paragraph (a) below. Submission of the CEMS monitoring plan will initiate the CEMS certification process, which involves Performance Testing and Final Approval with compliance schedules pursuant to paragraph (b) & (c) below.

(a) INITIAL APPLICATION (Phase I)
A proposal containing information as listed in the Phase I section of the Department's Continuous Source Monitoring Manual (CSMM) for the proposed CEMS must be submitted to the Department no later than May 7, 2022 or within 180 days of issuance of the modified Title V operating permit, whichever comes later.

(b) PERFORMANCE TESTING (Phase II)
Compliance dates for testing as listed in the Phase II section of the Department's CSMM will be based on the review of the proposed CEMS monitoring plan by the Department CEMS Section.
(1) If the Department determines that there is no need for re-ranging of the NOx analyzer(s) and for new calibration gases, the testing must be completed no later than 60 days after the approval of the CEMS monitoring plan.
(2) If the Department determines that there is a need for re-ranging of the NOx analyzer(s) and for new calibration gases:
(A) No later than 30 days after the approval of the CEMS monitoring plan, the permittee must provide the Department proof of purchase of the new calibration gases. An electronic copy of the proof of purchase must be provided to both CEMS Section and NWRO Operations Section.
(B) No later than 60 days of the delivery date of the new calibration gases, the required testing must be completed.

The CEMS 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. 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 CSMM.

(c) FINAL APPROVAL (Phase III)
The final report of testing as listed in the Phase III section of the Department's CSMM must be submitted to the Bureau no later than 60 days after completion of the testing.

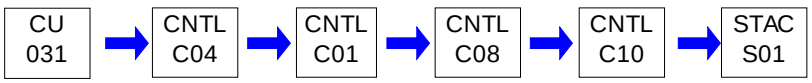
***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 031 Source Name: BOILER NO.1 (UNIT 1)

Source Capacity/Throughput: 6,792.000 MMBTU/HR

Conditions for this source occur in the following groups: BOILERS - CSAPR
BOILERS - GEN REQTS
BOILERS - INDIANA COUNTY SO2 SIP
BOILERS - MACT UTILITY
BOILERS - NID SYSTEM
BOILERS - NOX CEMS
BOILERS - RACT II CASE-BY-CASE
BOILERS 1&2 - ACTIVATED CARBON INJECTION
BOILERS 1&2 - CAM FOR NIDS, PM
FUEL OIL - COMBUSTION UNITS
PA 32-00055H - COMMON REQTS
SOURCE TEST SUBMITTALS



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).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

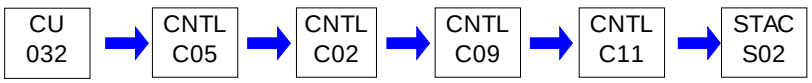
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 032 Source Name: BOILER NO.2 (UNIT 2)

Source Capacity/Throughput: 6,792.000 MMBTU/HR

Conditions for this source occur in the following groups: BOILERS - CSAPR
BOILERS - GEN REQTS
BOILERS - INDIANA COUNTY SO2 SIP
BOILERS - MACT UTILITY
BOILERS - NID SYSTEM
BOILERS - NOX CEMS
BOILERS - RACT II CASE-BY-CASE
BOILERS 1&2 - ACTIVATED CARBON INJECTION
BOILERS 1&2 - CAM FOR NIDS, PM
FUEL OIL - COMBUSTION UNITS
PA 32-00055H - COMMON REQTS
SOURCE TEST SUBMITTALS



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).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

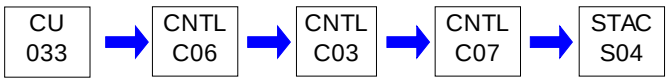
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 033 Source Name: BOILER NO.3 (UNIT 3)

Source Capacity/Throughput: 7,260.000 MMBTU/HR

Conditions for this source occur in the following groups: BOILERS - CSAPR
BOILERS - GEN REQTS
BOILERS - INDIANA COUNTY SO2 SIP
BOILERS - MACT UTILITY
BOILERS - NID SYSTEM
BOILERS - NOX CEMS
BOILERS - RACT II CASE-BY-CASE
FUEL OIL - COMBUSTION UNITS
PA 32-00055H - COMMON REQTS
SOURCE TEST SUBMITTALS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The emission of sulfur dioxide (as SO2) from Unit #3 shall not exceed 0.4 lbs/mmBtu based on a 30 day rolling average.

(b) The emission of sulfur dioxide (as SO2) from Unit #3 shall not exceed 12,720 tons in any 12 month consecutive period.

[PA 32-00055C. Compliance with this condition ensures compliance with the SO2 limits found at Pa. Code 25 Section 123.22 and 40 CFR 60.43.]

 # 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42]

Subpart D - Standards of Performance for Fossil- Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971

Standard for particulate matter.

(a) Except as provided under paragraphs (b), (c), (d), and (e) of this section, on and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility any gases that:

(1) Contain PM in excess of 43 nanograms per joule (ng/J) heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.

(2) Exhibit greater than 20 percent opacity except for one six-minute period per hour of not more than 27 percent opacity.

(b) - (e) [Not Applicable]

[60 FR 65415, Dec. 19, 1995, as amended at 76 FR 3522, Jan. 20, 2011; 74 FR 5077, Jan. 28, 2009; 77 FR 9447, Feb. 16, 2012]

 # 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.43]

Subpart D - Standards of Performance for Fossil- Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971

Standard for sulfur dioxide.

(a) Except as provided under paragraph (d) of this section, on and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility any gases that contain SO2 in excess of:

SECTION D. Source Level Requirements

(1) [Not Applicable]

(2) [Compliance with the 0.40 lb/mmbtu SO2 limit of PA 32-00055C assures compliance with the 1.2 lb/mmbtu (520 ng/J) SO2 limit of § 60.43(a)(2).]

(b) - (e) [Not Applicable]

[60 FR 65415, Dec. 19, 1995, as amended at 74 FR 5077, Jan. 28, 2009]

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.44]

Subpart D - Standards of Performance for Fossil- Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971

Standard for nitrogen oxides.

(a) Except as provided under paragraph (e) of this section, on and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility any gases that contain NOX, expressed as NO2 in excess of:

(1) - (2) [Not Applicable]

(3) [Compliance with RACT II Case-by-Case NOx limits (§ 129.99(k)) assures compliance with the 0.70 lb/mmbtu NOx limit of § 60.44(a)(3).]

(4) - (5) [Not Applicable]

(b) - (e) [Not Applicable]

II. TESTING REQUIREMENTS.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.46]

Subpart D - Standards of Performance for Fossil- Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971

Test methods and procedures.

(a) In conducting the performance tests required in §60.8, and subsequent performance tests as requested by the EPA Administrator, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (d) of this section.

(b) The owner or operator shall determine compliance with the PM, SO2, and NOX standards in §§60.42, 60.43, and 60.44 as follows:

(1) The emission rate (E) of PM, SO2, or NOX shall be computed for each run using the following equation:

E = CFd (20.9 / [20.9 - %O2])

Where:
E = Emission rate of pollutant, ng/J (1b/million Btu);
C = Concentration of pollutant, ng/dscm (1b/dscf);
%O2 = O2 concentration, percent dry basis; and
Fd = Factor as determined from Method 19 of appendix A of this part.

[For the equation, refer to § 60.46 of Title 40 - Protection of Environment in www.ecfr.gov.]

(2) Method 5 of appendix A of this part shall be used to determine the PM concentration (C) at affected facilities without wet flue-gas-desulfurization (FGD) systems and Method 5B of appendix A of this part shall be used to determine the PM concentration (C) after FGD systems.

SECTION D. Source Level Requirements

(i) The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). The probe and filter holder heating systems in the sampling train shall be set to provide an average gas temperature of 160 +/- 14 °C (320 +/- 25 °F).

(ii) The emission rate correction factor, integrated or grab sampling and analysis procedure of Method 3B of appendix A of this part shall be used to determine the O2 concentration (%O2). The O2 sample shall be obtained simultaneously with, and at the same traverse points as, the particulate sample. If the grab sampling procedure is used, the O2 concentration for the run shall be the arithmetic mean of the sample O2 concentrations at all traverse points.

(iii) If the particulate run has more than 12 traverse points, the O2 traverse points may be reduced to 12 provided that Method 1 of appendix A of this part is used to locate the 12 O2 traverse points.

(3) Method 9 of appendix A of this part and the procedures in §60.11 shall be used to determine opacity.

(4) - (5) [Omitted. The permittee uses CEMS for SO2 and NOx.]

(c) [Not Applicable]

(d) The owner or operator may use the following as alternatives to the reference methods and procedures in this section or in other sections as specified:

(1) - (7) [Applicable. Refer to § 60.46(d) of Title 40 - Protection of Environment in www.ecfr.gov.]

[60 FR 65415, Dec. 19, 1995, as amended at 74 FR 5078, Jan. 28, 2009]

III. MONITORING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 40 CFR Part 60.13(i) (NSPS alternative monitoring), 25 Pa. Code Chapter 122 (PADEP incorporation of NSPS program), and 25 PA. Code section 123.46(c) (alternative to the Department's continuous opacity monitoring requirements at 25 PA. code section 123.46(b)), the owner/operator will perform quarterly opacity testing on Unit #3 stack using EPA Reference Method 9 and will send the report to the Department within 30 days there after if the results indicate a deviation from the opacity standard at 40 CFR Part 60.42(a)(2), or upon request of the Department.

 # 007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

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

Homer City Unit 3 CAM Plan

Continuous compliance with the applicable PM emissions limit will be demonstrated by monitoring SO2 emissions as a surrogate for PM emissions. SO2 emissions will be monitored continuously using continuous emissions monitoring system (SO2 CEMS) and verifying compliance with the PM emission limitation by maintaining scrubber process parameters at optimal levels determined during the stack tests. In addition, the existing COMS will be used to measure opacity as a surrogate for PM emissions to ensure proper operations of the ESP.

PERFORMANCE INDICATOR 1 - SO2 EMISSION RATE MONITORING (LB/MMBTU)

I. Indicator - SO2 emission rate monitoring

(a) Measurement Approach: SO2 emissions from Unit 3 will be continuously measured using a Part 75 and PADEP certified SO2 CEMS.

II. Indicator Range - SO2 emission from Unit 3 will be limited to the permitted emission rate of 0.4 lb/MMBtu (30-day

rolling average), which indicates that the wet FGD is performing as per manufacturer's specifications. Minimum scrubber reagent flow rate of 60 gallons per minute (gpm) and pressure differential across the absorber tower will be limited to 8 inches of water to ensure proper functioning of the wet FGD system.

III. Performance Criteria - SO2 CEMS is certified and operated as per the requirements in PA Source Testing requirements under 25 Pa Code Chapter 139 and 40 CFR Part 75.

(a) Data Representativeness: SO2 emissions data will be collected using certified CEMS, validated, and stored in the facility DAS for at least five years.

(b) Verification of Operational Status: SO2 emissions data must meet data availability requirements in accordance with 25 Pa Code Chapter 139.

(c) QA/QC Practices/Criteria: SO2 CEMS QA/QC procedures as per requirements in 25 Pa Chapter 139.

(d) Monitoring Frequency: SO2 emissions data will be monitoring continuously, excluding periods of startup, shutdown and malfunction, using the certified CEMS as per procedures in 25 Pa Code Chapter 139 and 40 CFR Part 75. Scrubber operational parameters such as reagent flow rate (gpm) and pressure differential across the absorber tower will be monitored continuously, when the scrubber is in operation.

(e) Data Collection Procedures: SO2 emissions data and scrubber operational parameters will be stored in the facility DAS and retained for at least five years onsite.

(f) Averaging Period: One-minute average data is collected and stored. Hourly data is calculated and stored from the minute data. Monitor response time is less than 15 minutes as per 25 Pa Code Chapter 139. Reagent flow rate (gpm) and pressure differential across the absorber tower is also monitored continuously to determine hourly averages, when the scrubber is in operation.

PERFORMANCE INDICATOR 2 - CONTINUOUS OPACITY MONITORING (COMS)

I. Indicator - Continuous Opacity Monitoring

(a) Monitoring Approach: For informational and process control purposes, opacity is monitored and recoded using a COMS located between the ESP and the scrubber. One minute average of opacity is measured and displayed in the control room.

II. Indicator Range - Opacity will be used as a guide to monitor the performance of the ESP. Opacity between the ESP and the scrubber shall be limited to an internal, non-enforceable level of 3-hour block averaged opacity limitation of 20%. An excursion outside this value does not mean that an emission limit violation has occurred; just that the calculated value is outside the established indicator range. In the event of an excursion, a station operator will evaluate the occurrence and determine the procedures necessary to correct the condition.

III. Performance Criteria - The COMS is installed and operated in compliance with the PADEP Source Monitoring Manual; except no RATA is possible due to the wet FGD flue gas.

(a) Data Representativeness: COMS data will be collected and validated in accordance with the applicable PADEP Continous Source monitoring manual.

(b) Verification of Operational Status: COMS data availability requirements are necessary for proper operation of the ESP.

(c) QA/QC Practices/Criteria: Applicable PADEP Continuous Source Monitoring Manual will be followed, except for the requirements to perform RATA testing.

(d) Monitoring Frequency: Opacity will be monitored continuously using the COMS; at all times when the unit is in operation.

SECTION D. Source Level Requirements

(e) Data Collection Procedures: The COMS data will be collected and stored in the facility's DAS.

(f) Averaging Period: Minute averaged COMS data will be collected to calculate 3-hour block averages. At least four readings will be collected for every hour.

 # 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.45]

Subpart D - Standards of Performance for Fossil- Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971

Emission and fuel monitoring.

(a) Each owner or operator of an affected facility subject to the applicable emissions standard shall install, calibrate, maintain, and operate continuous opacity monitoring system (COMS) for measuring opacity and a continuous emissions monitoring system (CEMS) for measuring SO2 emissions, NOX emissions, and either oxygen (O2) or carbon dioxide (CO2) except as provided in paragraph (b) of this section.

(b) Certain of the CEMS and COMS requirements under paragraph (a) of this section do not apply to owners or operators under the following conditions:

(1) - (2) [Not Applicable]

(3) [Omitted. Provisions on delay of NOx CEMS installation. Source 033 is now equipped with NOx CEMS.]

(4) - (6) [Not Applicable]

(7) [Omitted. Provisions on opacity monitoring pursuant to § 60.45(b)(7) has been superseded/replaced by another permit condition requiring quarterly opacity testing using Method 9.]

(8) [Not Applicable. Provision on use of PM CPMS.]

(c) For performance evaluations under §60.13(c) and calibration checks under §60.13(d), the following procedures shall be used:

(1) Methods 6, 7, and 3B of appendix A of this part, as applicable, shall be used for the performance evaluations of SO2 and NOX continuous monitoring systems. Acceptable alternative methods for Methods 6, 7, and 3B of appendix A of this part are given in §60.46(d).

(2) Sulfur dioxide or nitric oxide, as applicable, shall be used for preparing calibration gas mixtures under Performance Specification 2 of appendix B to this part.

(3) For affected facilities burning fossil fuel(s), the span value for a continuous monitoring system measuring the opacity of emissions shall be 80, 90, or 100 percent. For a continuous monitoring system measuring sulfur oxides or NOX the span value shall be determined using one of the following procedures:

(i) Except as provided under paragraph (c)(3)(ii) of this section, SO2 and NOX span values shall be determined as follows:

Fossil Fuel: Span value for SO2 (in ppm) / Span value for NOx (in ppm)

(A) Gas: (Not applicable) / 500 ppm NOx
(B) Liquid: 1,000 ppm SO2 / 500 ppm NOx
(C) Solid: 1,500 ppm SO2 / 1,000 ppm NOx
(D) Combinations: 1,000y + 1,500z ppm SO2 / 500(x + y) + 1,000z ppm NOx
where:
x = Fraction of total heat input derived from gaseous fossil fuel;
y = Fraction of total heat input derived from liquid fossil fuel; and

SECTION D. Source Level Requirements

z = Fraction of total heat input derived from solid fossil fuel.

(ii) As an alternative to meeting the requirements of paragraph (c)(3)(i) of this section, the owner or operator of an affected facility may elect to use the SO2 and NOX span values determined according to sections 2.1.1 and 2.1.2 in appendix A to part 75 of this chapter.

(4) All span values computed under paragraph (c)(3)(i) of this section for burning combinations of fossil fuels shall be rounded to the nearest 500 ppm. Span values that are computed under paragraph (c)(3)(ii) of this section shall be rounded off according to the applicable procedures in section 2 of appendix A to part 75 of this chapter.

(5) [Not Applicable]

(d) [Reserved]

(e) For any CEMS installed under paragraph (a) of this section, the following conversion procedures shall be used to convert the continuous monitoring data into units of the applicable standards (ng/J, lb/MMBtu):

(1) When a CEMS for measuring O2 is selected, the measurement of the pollutant concentration and O2 concentration shall each be on a consistent basis (wet or dry). Alternative procedures approved by the Administrator shall be used when measurements are on a wet basis. When measurements are on a dry basis, the following conversion procedure shall be used:

E = CF(20.9 / [20.9 - %O2])

Where E, C, F, and %O2 are determined under paragraph (f) of this section.

[For the equation, refer to § 60.45 of Title 40 - Protection of Environment in www.ecfr.gov.]

(2) When a CEMS for measuring CO2 is selected, the measurement of the pollutant concentration and CO2 concentration shall each be on a consistent basis (wet or dry) and the following conversion procedure shall be used:

E = CFc(100 / %CO2)

Where E, C, Fc and %CO2 are determined under paragraph (f) of this section.

[For the equation, refer to § 60.45 of Title 40 - Protection of Environment in www.ecfr.gov.]

(f) The values used in the equations under paragraphs (e)(1) and (2) of this section are derived as follows:

(1) E = pollutant emissions, ng/J (lb/MMBtu).

(2) C = pollutant concentration, ng/dscm (lb/dscf), determined by multiplying the average concentration (ppm) for each one-hour period by 4.15 × 104 M ng/dscm per ppm (2.59 × 10-9 M lb/dscf per ppm) where M = pollutant molecular weight, g/g-mole (lb/lb-mole). M = 64.07 for SO2 and 46.01 for NOX.

(3) %O2, %CO2 = O2 or CO2 volume (expressed as percent), determined with equipment specified under paragraph (a) of this section.

(4) F, Fc = a factor representing a ratio of the volume of dry flue gases generated to the calorific value of the fuel combusted (F), and a factor representing a ratio of the volume of CO2 generated to the calorific value of the fuel combusted (Fc), respectively. Values of F and Fc are given as follows:

(i) [Not Applicable]

(ii) For subbituminous and bituminous coal as classified according to ASTM D388 (incorporated by reference, see §60.17), F = 2.637 × 10^(-7) dscm/J (9,820 dscf/MMBtu) and Fc = 0.486 × 10^(-7) scm CO2/J (1,810 scf CO2/MMBtu).

SECTION D. Source Level Requirements

(iii) - (vi) [Not Applicable]

(5) The owner or operator may use the following equation to determine an F factor (dscm/J or dscf/MMBtu) on a dry basis (if it is desired to calculate F on a wet basis, consult the Administrator) or Fc factor (scm CO2/J, or scf CO2/MMBtu) on either basis in lieu of the F or Fc factors specified in paragraph (f)(4) of this section:

[For the five (5) equations under this provision, refer to § 60.45 of Title 40 - Protection of Environment in www.ecfr.gov.]

(i) %H, %C, %S, %N, and %O are content by weight of hydrogen, carbon, sulfur, nitrogen, and O2 (expressed as percent), respectively, as determined on the same basis as GCV by ultimate analysis of the fuel fired, using ASTM D3178 or D3176 (solid fuels), or computed from results using ASTM D1137, D1945, or D1946 (gaseous fuels) as applicable. (These five methods are incorporated by reference, see §60.17.)

(ii) GVC is the gross calorific value (kJ/kg, Btu/lb) of the fuel combusted determined by the ASTM test methods D2015 or D5865 for solid fuels and D1826 for gaseous fuels as applicable. (These three methods are incorporated by reference, see §60.17.)

(6) [Not Applicable]

(g) [See V. Reporting Requirements for this source.]

(h) [Not Applicable]

[60 FR 65415, Dec. 19, 1995, as amended at 74 FR 5077, Jan. 28, 2009; 76 FR 3522, Jan. 20, 2011; 77 FR 9447, Feb. 16, 2012]

IV. RECORDKEEPING REQUIREMENTS.

 # 009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[The following are CAM-related requirements.]

(1) The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to §64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

(2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious review, and does not conflict with other applicable recordkeeping requirements.

(3) The permittee shall keep all records for a period of five (5) years and make records available to the Department upon request.

[Paragraphs (1) & (2) of this condition are § 64.9(b)(1) & (b)(2), respectively.]

V. REPORTING REQUIREMENTS.

 # 010 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[The following are CAM-related requirements.]

(1) A report for monitoring under this part shall include, at a minimum, the information required under §70.6(a)(3)(iii) and the following information, as applicable:

(i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or

SECTION D. Source Level Requirements

exceedances, as applicable, and the corrective actions taken;

(ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(iii) A description of the actions taken to implement a QIP (Quality Improvement Plans) during the reporting period as specified in §64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

(2) Reports of any required monitoring shall be submitted at least every 6 months.

[Paragraph (1) of this condition is § 64.9(a)(2). Paragraph (2) of this condition is based on § 70.6(a)(3)(iii)(A).]

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.45]

Subpart D - Standards of Performance for Fossil- Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971

Emission and fuel monitoring.

(g) Excess emission and monitoring system performance reports shall be submitted to the Administrator semiannually for each six-month period in the calendar year. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period. Each excess emission and MSP report shall include the information required in §60.7(c). Periods of excess emissions and monitoring systems (MS) downtime that shall be reported are defined as follows:

(1) OPACITY. [Determined not applicable. Reporting provisions for opacity monitoring pursuant to this federal rule is superseded/replaced by an equivalent permit condition - send report to the Department if the results indicate a deviation or upon request of the Department.]

(2) SULFUR DIOXIDE. Excess emissions for affected facilities are defined as:

(i) For affected facilities electing not to comply with §60.43(d), any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) of SO2 as measured by a CEMS exceed the applicable standard in §60.43; or

(ii) [Not Applicable]

(3) NITROGEN OXIDES. Excess emissions for affected facilities using a CEMS for measuring NOX are defined as:

(i) For affected facilities electing not to comply with §60.44(e), any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) exceed the applicable standards in §60.44; or

(ii) [Not Applicable]

(4) PARTICULATE MATTER. [Not Applicable. The permittee does not use PM CEMS.]

[60 FR 65415, Dec. 19, 1995, as amended at 74 FR 5077, Jan. 28, 2009; 76 FR 3522, Jan. 20, 2011; 77 FR 9447, Feb. 16, 2012]

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]

Subpart A - General Provisions

Notification and record keeping.

[§ 60.7(c), which is on excess emissions reporting, is cited by § 60.45(g) of § 60 Subpart D. § 60.7(d) is on summary reports associated with excess emissions reports pursuant to § 60.7(c).]

(c) Each owner or operator required to install a continuous monitoring device shall submit excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and-or summary report

form (see paragraph (d) of this section) to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each six-month period. Written reports of excess emissions shall include the following information:

(1) The magnitude of excess emissions computed in accordance with §60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.

(2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.

(3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.

(4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

(d) The summary report form shall contain the information and be in the format shown in figure 1 unless otherwise specified by the Administrator. One summary report form shall be submitted for each pollutant monitored at each affected facility.

(1) If the total duration of excess emissions 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 form shall be submitted and the excess emission report described in §60.7(c) need not be submitted unless requested by the Administrator.

(2) If the total duration of excess emissions 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, the summary report form and the excess emission report described in §60.7(c) shall both be submitted.

[For Figure 1, refer to § 60.7 of Title 40 - Protection of Environment in www.ecfr.gov.]

[36 FR 24877, Dec. 28, 1971, as amended at 40 FR 46254, Oct. 6, 1975; 40 FR 58418, Dec. 16, 1975; 45 FR 5617, Jan. 23, 1980; 48 FR 48335, Oct. 18, 1983; 50 FR 53113, Dec. 27, 1985; 52 FR 9781, Mar. 26, 1987; 55 FR 51382, Dec. 13, 1990; 59 FR 12428, Mar. 16, 1994; 59 FR 47265, Sep. 15, 1994; 64 FR 7463, Feb. 12, 1999]

VI. WORK PRACTICE REQUIREMENTS.

 # 013 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[This is a CAM-related requirement.]

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

VII. ADDITIONAL REQUIREMENTS.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The following provisions of § 40 CFR 60 Subpart D apply to Source 033 and are incorporated by reference.

SECTION D. Source Level Requirements

(1) § 60.40 (Applicability and designation of affected facility).
(2) § 60.41 (Definitions).
(3) § 60.46(d) (i.e., alternatives to the reference methods and procedures).

(b) The following provisions of § 40 CFR 60 Subpart A apply to Source 033 and are incorporated by reference.

(1) § 60.11 (Compliance with standards and maintenance requirements). Provisions on compliance demonstration through performance tests, for standards other than opacity, and opacity observations. All provisions applicable except for those on COMS (i.e., (e)(4) & (5)).
(2) § 60.13 (Monitoring Requirements). Provisions on CEMS operation, maintenance, & compliance demonstration use. All provisions applicable except those on COMS (i.e., (c)(1), (d)(2), (e)(1), & (h)(1)) and combined stack emissions (i.e., (g)).

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

SECTION D. Source Level Requirements

Source ID: 037 Source Name: B & W AUXILIARY BOILER

Source Capacity/Throughput: 313.000 MMBTU/HR

Conditions for this source occur in the following groups: BOILER, AUX - BOILER MACT
FUEL OIL - COMBUSTION UNITS
SOURCE TEST SUBMITTALS

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions from the new auxiliary boiler shall be limited to the following:

Pollutant	Maximum Emission Rate		
	Lbs/MMBtu	Lbs/Hour	Tons/Year
PM	0.030	9.39	2.06
CO	0.084	26.29	5.76
NOx	0.224	70.11	15.35
VOC	0.0067	2.10	0.46
HCl	0.0009	0.29	0.062

[PA 32-00055F, Section C, Condition #005]

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The annual capacity factor of the boiler installed under this plan approval (Source 037) shall be limited to 5% of its maximum possible capacity of 2.74 trillion Btus of total heat input. Total heat input will not exceed 137,040 MMBtu per consecutive 12-month period.

[PA 32-00055F, Section C, Condition #006]

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Performance testing shall be conducted as follows:

(1) Stack testing for NOx, PM, CO, and VOC shall be performed on the B&W Auxiliary Boiler (Source 037) in accordance with Title 25 PA Code §139 within 180 days after the completion of construction. Maximum routine operating conditions of the auxiliary boiler is operation at 265 MMBtu/hr.

(2) Stack testing for NOx, PM, CO, and VOC shall be performed on the B&W Auxiliary Boiler (Source 037) in accordance with Title 25 PA Code §139 during the first time when operating at maximum rated capacity of 313 MMBtu/hr. Operation at maximum capacity is a non-predictable condition and as such the operator shall notify the Department as soon as practical before testing at maximum capacity.

(b) For source test submittals, follow the procedure under Source Group SOURCE TEST SUBMITTALS in Section E of this permit.

[Paragraph (1) of this condition is from PA 32-00055F, Section C, Condition #007]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall determine the chlorine content of fuel oil to be fired in the B&W Auxiliary Boiler (Source 037) by

SECTION D. Source Level Requirements

ASTM D6443-04 or another method approved by EPA. The chlorine content of the fuel will be used on a mass balance basis to verify compliance with the HCl emission limit of 0.0009 lb/MMBtu. The Owner/Operator may alternately test for HCl emissions following the same procedures outlined for performance testing for NOx, PM, CO, and VOC.

[PA 32-00055F, Section C, Condition #009]

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this condition was also derived from § 40 CFR 60.13(i)(2).]

In lieu of continuous opacity monitoring (COM) system installation and operation, visible emission observations are required whenever the B&W Auxiliary Boiler (Source 037) combusts oil:

(a) At least once during each daylight shift when oil is combusted, an observer certified in accordance with EPA Method 9 shall perform a 6-minute visible emission observation. In order to obtain representative results, the oil firing rate during the observation period must be the maximum rate during the shift.

(b) An observer certified in accordance with EPA Method 9 shall perform a 6-minute visible emission observation whenever the boiler reaches operating load after a cold startup with oil.

(c) If the average opacity for a 6-minute set of readings made in accordance with a. or b. exceeds 10 percent, the observer must collect two additional 6-minute sets of visible emission readings for a total of three sets.

[PA 32-00055F, Section C, Condition #008.]

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall maintain records of the following information for auxiliary boiler visible emission observations made by observers certified in accordance with EPA Method 9:

(a) Dates and time periods of all opacity observation periods.

(b) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test.

(c) Copies of all visible emission observer opacity field data sheets.

[PA 32-00055F, Section C, Condition #010]

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records required for this source shall be retained by the owner or operator for 5 years and made available to the Department or appropriate local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Compliance with this condition assures compliance with RACT II's § 129.97(i) and PA 32-00055F's 5-year recordkeeping requirement.]

 # 008 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

The permittee shall keep records that include sufficient data & calculations to demonstrate that the requirements of §§ 129.96 - 129.99 are met.

SECTION D. Source Level Requirements

[25 Pa. Code § 129.100(d)(1)]

 # 009 [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.

(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) [Not Applicable]

[Compliance with this condition assures compliance with PA 32-00055F, Section C, Condition #012. For the rest of § 60.49b, see VII. Additional Requirements for this source.]

V. REPORTING REQUIREMENTS.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

The B&W Auxiliary Boiler (Source 037) is subject to New Source Performance Standards for Industrial-Commercial-Institutional Steam Generating Units (§ 40 CFR Part 60 Subpart Db). In accordance with § 40 CFR 60.4, copies of all requests, reports, applications, submittals and other communications shall be forwarded to both EPA and the Department at the addresses listed below unless otherwise noted.

EPA REGION III (i.e., address below included in Section B of this permit):
Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

PADEP NORTHWEST REGIONAL OFFICE:
Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

 # 011 [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.

(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

SECTION D. Source Level Requirements

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) [Not Applicable]

[Compliance with this condition assures compliance with PA 32-00055F, Section C, Condition #013. For the rest of § 60.49b, see VII. Additional Requirements for this source.]

VI. WORK PRACTICE REQUIREMENTS.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall maintain and operate this source and any associated control device(s) in accordance with the manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For RACT II purposes:

(a) The 5% annual capacity factor pursuant to PA 32-00055F assures that the source meets the § 129.97(c)(7)(i) source category - i.e., a fuel-burning combustion unit with an annual capacity factor of less than 5%.

(b) Compliance with this source's work practice requirement assures compliance with § 129.97(c)'s presumptive work practice and will be demonstrated through § 129.100's recordkeeping.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following provisions of § 40 CFR 60 Subpart Db apply to Source 037 and are incorporated by reference.

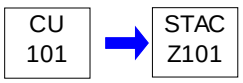
(a) § 60.40b (Applicability and delegation of authoriy). Paragraph (a) applies. Because paragraph (b)(4) does not apply, Source 037 must comply with § 60 Subpart Db, which has more stringent emission limits than those in § 60 Subpart D.
(b) § 60.41b (Definitions).
(c) § 60.42b (Standard for sulfur dioxide (SO2)). Paragraph (k)(2) - exemption because of use of very low sulfur oil.
(d) § 60.43b (Standard for particulate matter (PM)). Paragraph (h)(5) - exemption because of use of oil with no more than 0.3% sulfur by weight and not using any SO2 or PM control device to comply with emission limit.
(e) § 60.44b (Standard for nitrogen oxides (NOx)). Paragraph (l)(1) - exemption based on 10% annual capacity factor (i.e., Source 037 has a 5% annual capacity factor requirement).
(f) § 60.45b (Compliance and performance test methods and procedures for sulfur dioxide). Only paragraphs (j) and (k), which reference § 60.49b(r), apply.
(g) § 60.46b (Compliance and performance test methods and procedures for particulate matter and nitrogen oxides). Only paragraph (i), which references § 60.49b(r), apply.
(h) § 60.48b (Emission monitoring for particulate matter and nitrogen oxides). A visible emission observation procedure has been established in PA 32-00055F and under additional authority from § 60.13. This procedure assures compliance with paragraphs (a) and (l) of this section.
(i) § 60.49b (Reporting and recordkeeping requirements). Paragraphs (d)(1) and (r)(1) are incorporated as permit conditions. Paragraph (a), a one-time requirement, is omitted. Paragraph (f) is superseded by an equivalent recordkeeping pursuant to PA 32-00055F, Section C, Condtion #010 (i.e., see comment for § 60.48b above under (h)). Paragraph (o) is streamlined out by the 5-year recordkeeping pursuant to PA 32-00055F, Section C, Condition #011. The rest of the paragraphs of § 60.49b (e.g., on excess emissions reporting) do not apply to this source.

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

SECTION D. Source Level Requirements

Source ID: 101 Source Name: OIL FIRED SPACE HEATERS

Source Capacity/Throughput: 58.000 MMBTU/HR



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records required for this source shall be retained by the owner or operator for 5 years and made available to the Department or appropriate local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Compliance with this condition assures compliance with RACT II's § 129.97(i) and with the previous 5-year recordkeeping requirement for SOx emissions.]

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall keep records of the data and calculations used to verify compliance with the sulfur oxides (SOx) emissions limitations.

(b) The permittee shall keep records of the tests conducted or certification reports used to verify the sulfur content (percent by weight) of the fuel oil.

 # 004 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

The permittee shall keep records that include sufficient data & calculations to demonstrate that the requirements of §§ 129.96 - 129.99 are met.

[25 Pa. Code § 129.100(d)(1)]

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall maintain and operate this source and any associated control device(s) in accordance with the manufacturer's specifications and good air pollution control practices.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.97(c).]

VII. ADDITIONAL REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For RACT II purposes:

(a) The oil-fired space heaters of Source 101 meet the category of RACT II's § 129.97(c)(3) - i.e., a boiler or combustion source with an individual rated gross heat input less than 20 mmbtu/hr.

(b) Compliance with this source's work practice requirement assures compliance with § 129.97(c)'s presumptive work practice and will be demonstrated through § 129.100's recordkeeping.

(c) For Source 101, RACT II requirements are equivalent to & replace RACT I requirements (§ 129.93(c)(1), § 129.95(a) & (b)).

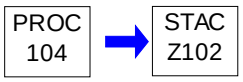
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 104 Source Name: MISCELLANEOUS PLANT FUGITIVES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: BOILERS 1&2 - ACTIVATED CARBON INJECTION



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: THREE ANHYDROUS AMMONIA STORAGE TANKS

Source Capacity/Throughput:

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall keep a monthly log of all ammonia delivered to this facility. These records shall be maintained on site for a period of two years and made available to the Department upon request.

[Records of ammonia delivery is used to approximate truck traffic and resulting PM emissions.]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall maintain and operate this source and any associated control device(s) in accordance with the manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

In accordance with 40 CFR § 68.10(a)(3), the owner/operator shall comply with all applicable requirements of 40 CFR Part 68 and the Risk Management Plan submitted on February, 2009 to both DEP and EPA.

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

SECTION D. Source Level Requirements

Source ID: 108 Source Name: LIMESTONE AND GYPSUM STORAGE & HANDLING SYSTEM

Source Capacity/Throughput:

PROC 108 → CNTL C108 → STAC Z102

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The visible emissions from the lime receiving structure, the crusher building and all material drop points shall not equal or exceed 5% opacity at any time.

[PA 32-00055C, Condition #4(c). Compliance with the 5% opacity limit assures compliance with § 60 Subpart OOO's 7% opacity limit.]

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.

The owner/operator shall maintain and operate this source and any associated control device(s) in accordance with the manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

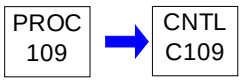
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 109 Source Name: ACTIVATED CARBON STORAGE & HANDLING SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: BOILERS 1&2 - ACTIVATED CARBON INJECTION



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).

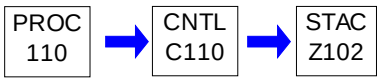
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 110 Source Name: LIME & BYPRODUCT STORAGE & HANDLING SYSTEMS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PA 32-00055H - COMMON REQTS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Visible emissions from each lime and NID byproduct storage silo shall not equal or exceed 10% opacity at any time.

[PA 32-00055H, Section D, Source 110, Condition #001]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not permit the emission into the outdoor atmopshere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.004 gr/dscf.

[Compliance with this condition is demonstrated by, pursuant to PA 32-00055H, Section D, Source 110, Condition #008, installing filters with manufacturer's guaranteed maximum concentration of particulate matter not in excess of 0.004 gr/dscf.]

Throughput Restriction(s).

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Lime deliveries to the Facility shall not exceed 476,544 tons in any consecutive 12-month period.

[PA 32-00055H, Section D, Source 110, Condition #002]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Lime deliveries to the Facility by truck shall not exceed 47,654.4 tons in any consecutive 12-month period.

[PA 32-00055H, Section D, Source 110, Condition #003]

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.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Once during each week that lime is delivered to the Facility, the Owner/Operator shall conduct an inspection during daylight hours while the sources covered in this plan approval are in operation for the presence of any visible stack emissions, and also any fugitive emissions or malodors from those same sources. If visible stack emissions, fugitive emissions, or malodors are apparent, the Owner/Operator shall take corrective action. Records of each inspection shall be maintained in a log and at the minimum include the date, time, name and title of the observer, along with any corrective action taken as a result.

SECTION D. Source Level Requirements

[PA 32-00055H, Section D, Source 110, Condition #004]

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator will monitor the emissions on a daily basis to determine the presence of visible fugitive emissions. If visible fugitive emissions are detected, the owner/operator will take corrective action. A log will be maintained of all fugitive emissions observations and of each corrective action.

[Compliance with this condition assures & demonstrates compliance with PA 32-00055H's 10% opacity limit.]

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.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Lime may be delivered to the Facility by railcars or enclosed trucks with transfer to an underground hopper followed by conveyance to storage silos. Particulate emissions from the lime unloading, conveying, and storage processes will be controlled by permanent transfer enclosures and dust collectors.

[PA 32-00055H, Section D, Source 110, Condition #005]

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Lime and byproduct storage silos shall not be loaded unless the enclosed transfer conveyors, and dust collectors or bin vent filters are operating properly.

[PA 32-00055H, Section D, Source 110, Condition #006]

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Lime and byproduct material handling conveyors shall be enclosed and all transfer points controlled by dust collectors.

[PA 32-00055H, Section D, Source 110, Condition ##007]

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: 111 Source Name: EMERGENCY DIESEL GENERATOR (855 BHP)

Source Capacity/Throughput: 6.360 MMBTU/HR

Conditions for this source occur in the following groups: DIESEL ENGINES

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.

 # 001 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

(a) The owner and operator of this source shall keep records that include sufficient data and calculations to demonstrate that the requirements of § § 129.96—129.99 are met.

(b) The 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.

[Paragraphs (a) & (b) of this conditions are 25 Pa. Code § 129.100(d)(1) & (i), respectively.]

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.

 # 002 [25 Pa. Code §129.97]

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

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

[25 Pa. Code § 129.97(c), which is the presumptive work requirement for source category § 129.97(c)(8) - i.e., an emergency standby engine operating less than 500 hours in a 12-month rolling period.]

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

SECTION D. Source Level Requirements

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) 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) [Not Applicable]

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) NEW STATIONARY RICE. [Omitted. Provisions on new stationary RICE.]

(3) RECONSTRUCTED STATIONARY RICE. [Omitted. Provisions on reconstructed stationary RICE.]

(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).

[This is the exemption for Source 111.]

(iv) - (v) [Not Applicable]

(c) STATIONARY RICE SUBJECT TO REGULATIONS UNDER 40 CFR PART 60. [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, 20

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

SECTION D. Source Level Requirements

Source ID: 112 Source Name: DIESEL FIRE PUMP (330 BHP)

Source Capacity/Throughput: 2.490 MMBTU/HR

Conditions for this source occur in the following groups: DIESEL ENGINES

PROC 112 → STAC S06

I. RESTRICTIONS.

Operation Hours Restriction(s).

 # 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requireme

(a) - (e) [See VI. Work Practice Requirements for this source.]

(f) 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) [The 'no time limit' provision of § 63.6640(f)(1) for emergency operations is streamlined out by RACT I's 500-hr operating hours restriction for this source.]

(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) [Vacated]

(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. 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) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [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) [See VI. Work Practice Requirements for this source.]

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(h) - (j) [See VI. Work Practice Requirements for this source.]

[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]

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [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) - (d) [Not Applicable]

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) [Not Applicable]

(2) An existing stationary emergency RICE.

(3) [Not Applicable]

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in §63.6640(f)(2)(ii) or (iii) or §63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) [Not Applicable]

[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]

SECTION D. Source Level Requirements

 # 004 [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]

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.

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2c]

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

Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE < or = 500 HP Located at a Major Source of HAP Emissions

As stated in §§63.6600, 63.6602, and 63.6640, you must comply with the following requirements for existing compression ignition stationary RICE located at a major source of HAP emissions and existing spark ignition stationary RICE =500 HP located at a major source of HAP emissions:

FOR EACH...

(1) Emergency stationary CI RICE and black start stationary CI RICE [Footnote (1)]

YOU MUST MEET THE FOLLOWING REQUIREMENT, EXCEPT DURING PERIODS OF STARTUP...

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first. [Footnote (2)]

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

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

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. [Footnote (3)]

FOOTNOTES:

(1) If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work

SECTION D. Source Level Requirements

practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

(2) Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.

(3) Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

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

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]

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

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

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

FOR EACH...

(9) Existing emergency and black start stationary RICE < or = 500 HP located at a major source of HAP.

COMPLYING WITH THE REQUIREMENT TO...

(a) Work or Management Practices

YOU MUST DEMONSTRATE CONTINUOUS COMPLIANCE BY...

(i) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

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

[78 FR 6715, Jan. 30, 2013]

 # 007 [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]

 # 008 [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.

SECTION D. Source Level Requirements

(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]

 # 009 [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) - (d) [Not Applicable]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

(1) [Not Applicable]

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

(3) - (10) [Not Applicable]

(f) [See III. Monitoring Requirements for this source.]

(g) [Not Applicable]

(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) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(j) [Not Applicable]

[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]

SECTION D. Source Level Requirements

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) - (d) [Not Applicable]

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. [Omitted other provisions of this paragraph determined not applicable.]

(f) [See I. Restrictions, Operation Hours Restrictions for this source.]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following provisions of § 40 CFR 63 Subpart ZZZZ apply to Source 112 and are incorporated by reference.

(a) § 63.6580 (What is the purpose of subpart ZZZZ?).
(b) § 63.6585 (Am I subject to this subpart?). Only paragraphs (a) & (b) apply.
(c) § 63.6590 (What parts of my plant does this subpart cover?). Paragraph (a)(1)(ii) applies.
(d) § 63.6595 (When do I have to comply with this subpart?). Paragraphs (a) & (c) apply.
(e) § 63.6630 (How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?). Paragraph (c) applies.
(f) § 63.6645 (What notifications must I submit and when?). Provisions on Initial Notification, which is a one-time requirement.
(g) § 63.6665 (What parts of the General Provisions apply to me?)
(h) § 63.6670 (Who implements and enforces this subpart?)
(i) § 63.6675 (What definitions apply to this subpart?)
(j) Table 8 to Subpart ZZZZ of Part 63 - Applicability of General Provisions to Subpart ZZZZ.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For RACT II purposes:

(a) The RACT I's 500-hour operating hours restriction assures that this source meets the § 129.97(c)(8) source category - i.e.,an emergency standby engine operating less than 500 hours in a 12-month rolling period.

(b) Compliance with § 40 CFR 63 Subpart ZZZZ's recordkeeping (e.g., §§ 63.6655, 63.6660) assures compliance with § 129.100(d)(1) and (i), respectively.

(c) Compliance with § 40 CFR 63 Subpart ZZZZ's work practice requirements (e.g., § 63.6605(b), Table 6) assures compliance with § 129.97(c).

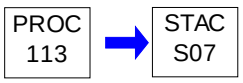
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: 113 Source Name: EMERGENCY DIESEL GENERATOR (800 BHP)

Source Capacity/Throughput: 5.950 MMBTU/HR

Conditions for this source occur in the following groups: DIESEL ENGINES



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.

 # 001 [25 Pa. Code §129.100]

Compliance demonstration and recordkeeping requirements.

(a) The owner and operator of this source shall keep records that include sufficient data and calculations to demonstrate that the requirements of § § 129.96—129.99 are met.

(b) The 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.

[Paragraphs (a) & (b) of this conditions are 25 Pa. Code § 129.100(d)(1) & (i), respectively.]

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.

 # 002 [25 Pa. Code §129.97]

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

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

[25 Pa. Code § 129.97(c), which is the presumptive work requirement for source category § 129.97(c)(8) - i.e., an emergency standby engine operating less than 500 hours in a 12-month rolling period.]

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) 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) 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) [Not Applicable]

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) NEW STATIONARY RICE. [Omitted. Provisions on new stationary RICE.]

(3) RECONSTRUCTED STATIONARY RICE. [Omitted. Provisions on reconstructed stationary RICE.]

(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).

[This is the exemption for Source 113.]

(iv) - (v) [Not Applicable]

(c) STATIONARY RICE SUBJECT TO REGULATIONS UNDER 40 CFR PART 60. [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]

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

SECTION D. Source Level Requirements

Source ID: 114 Source Name: UNIT MIX COAL BLENDING YARD

Source Capacity/Throughput:

PROC 114 → STAC Z102

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) 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 shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.

[For Source 114, the 20% opacity limit applies only to crushers, screens, coal storage bins, & other operations that are enclosed. The opacity limit does not apply to open storage piles and loading, unloading, & conveying operations that are not enclosed. See definitions of 'coal storage system' and 'open storage piles' under § 60.251, incorporated under VII. Additional Requirements for this source.]

(b) - (c) [Not Applicable]

Throughput Restriction(s).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The raw coal stockpile shall be limited to a total of 100,000 tons in place at any time.

[PA 32-055A, Condition #6]

II. TESTING REQUIREMENTS.

 # 003 [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

SECTION D. Source Level Requirements

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.

(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.

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.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall maintain and operate this source and any associated control device(s) in accordance with the manufacturer's specifications and good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following provisions of § 40 CFR 60 Subpart Y apply to Source 114 and are incorporated by reference.

(a) § 60.250 (Applicability and designation of affected facility). Only paragraphs (a) & (b) apply.
(b) § 60.255 (Performance tests and other compliance requirements). Only paragraph (a) applies.

[Compliance with § 40 CFR 60 Subpart Y assures compliance with PA 32-055A, Condition #4.]

SECTION D. Source Level Requirements

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.251]

Subpart Y - Standards of Performance for Coal Preparation Plants

Definitions.

As used in this subpart, all terms not defined herein have the meaning given them in the Clean Air Act (Act) and in subpart A of this part.

[Only select definitions included in this operating permit. For the rest of the terminology, refer to § 60.251 of Title 40 - Protection of Environment in www.ecfr.gov.]

(c) BITUMINOUS COAL means solid fossil fuel classified as bituminous coal by ASTM D388 (incorporated by reference—see §60.17).

(d) COAL means:
(1) For units constructed, reconstructed, or modified on or before May 27, 2009, all solid fossil fuels classified as anthracite, bituminous, subbituminous, or lignite by ASTM D388 (incorporated by reference—see §60.17).
(2) For units constructed, reconstructed, or modified after May 27, 2009, all solid fossil fuels classified as anthracite, bituminous, subbituminous, or lignite by ASTM D388 (incorporated by reference—see §60.17), and coal refuse.

(e) COAL PREPARATION AND PROCESSING PLANT means any facility (excluding underground mining operations) which prepares coal by one or more of the following processes: breaking, crushing, screening, wet or dry cleaning, and thermal drying.

(f) COAL PROCESSING AND CONVEYING EQUIPMENT means any machinery used to reduce the size of coal or to separate coal from refuse, and the equipment used to convey coal to or remove coal and refuse from the machinery. This includes, but is not limited to, breakers, crushers, screens, and conveyor belts. Equipment located at the mine face is not considered to be part of the coal preparation and processing plant.

(h) COAL STORAGE SYSTEM means any facility used to store coal except for open storage piles.

(m) OPEN STORAGE PILE means any facility, including storage area, that is not enclosed that is used to store coal, including the equipment used in the loading, unloading, and conveying operations of the facility.

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

SECTION E. Source Group Restrictions.

Group Name: BOILER, AUX - BOILER MACT

Group Description: § 40 CFR 63 Subpart DDDDD

Sources included in this group

ID	Name
037	B & W AUXILIARY BOILER

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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7525]

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

What are my monitoring, installation, operation, and maintenance requirements?

(a) - (j) [Not Applicable]

(k) For each unit that meets the definition of limited-use boiler or process heater, you must keep fuel use records for the days the boiler or process heater was operating.

(l) - (m) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7171, Jan. 31, 2013; 80 FR 72810, Nov. 20, 2015]

 # 002 [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 or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) [Not Applicable]

(3) For units in the limited use subcategory, you must keep a copy of the federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent and fuel use records for the days the boiler or process heater was operating.

(b) - (h) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015]

 # 003 [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.

SECTION E. Source Group Restrictions.

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.

V. REPORTING REQUIREMENTS.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 9]

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

Reporting Requirements

As stated in §63.7550, you must comply with the following requirements for reports:

YOU MUST SUBMIT A...

(1) Compliance Report

THE REPORT MUST CONTAIN...

(a) Information required in § 63.7550(c)(1) through (5); and

(b) - (d) [Not Applicable]

YOU MUST SUBMIT THE REPORT...

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]

 # 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

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

How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?

(a) - (e) [Not Applicable]

(f) You must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in §63.7545(e).

(g) - (i) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013; 80 FR 72811, Nov. 20, 2015]

 # 006 [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) As specified in §63.9(b)(2), if you startup your affected source before January 31, 2013, you must submit an Initial Notification not later than 120 days after January 31, 2013.

SECTION E. Source Group Restrictions.

(c) - (d) [Not Applicable]

(e) If you are required to conduct an initial compliance demonstration as specified in §63.7530, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under §241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of §241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2) - (5) [Not Applicable]

(6) A signed certification that you have met all applicable work practice standards. [Omitted reference to emission limits.]

(7) If you had a deviation from any work practice standard, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report. [Omitted reference to emission limit & operating limit.]

(8) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) “This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi).”

(ii) [Not Applicable]

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: “No secondary materials that are solid waste were combusted in any affected unit.”

(f) - (h) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015]

 # 007 [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.

[For paragraphs (1) to (4) below, the 5-year compliance report applies to Source 037.

SECTION E. Source Group Restrictions.

(1) 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 annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(5) [Not Applicable]

(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) [Not Applicable]

(5)

(i) Company and Facility name and address.

(ii) Process unit information. [Omitted reference to emission limitations & 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) [Not Applicable]

(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) [Not Applicable]

(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) [Not Applicable]

(d) - (e) [Not Applicable]

(f) - (g) [Reserved]

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) - (2) [Not Applicable]

(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

SECTION E. Source Group Restrictions.

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]

VI. WORK PRACTICE REQUIREMENTS.

 # 008 [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?

(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) - (2) [Not Applicable]

(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) [Omitted. Provision on use of an alternative to the work practice standards.]

(c) Limited-use boilers and process heaters must complete a tune-up every 5 years as specified in §63.7540. They are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, the annual tune-up, or the energy assessment requirements in Table 3 to this subpart, or the operating limits in Table 4 to this subpart.

(d) - (e) [Not Applicable]

(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]

 # 009 [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) [Not Applicable]

(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.

[As a limited-use boiler, Source 037 is subject to the 5-year performance tune-up.]

(e) - (i) [Not Applicable]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

SECTION E. Source Group Restrictions.

 # 010 [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) [Introductory paragraph omitted.]

(1) - (9) [Not Applicable]

(10) 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.

[For limited-use boilers, 5-year performance tune-up.]

(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) [Not Applicable]

(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

SECTION E. Source Group Restrictions.

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. [Omitted last statement, which is one oxygen trim system.]

(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.

(14) - (19) [Not Applicable]

(b) - (d) [Not Applicable]

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015]

VII. ADDITIONAL REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following provisions of § 40 CFR 63 Subpart DDDDD apply to Source 037 and are incorporated by reference.

(a) § 63.7480 (What is the purpose of this subpart?)
(b) § 63.7485 (Am I subject to this subpart?)
(c) § 63.7490 (What is the affected source of this subpart?)
(d) § 63.7491 (Are any boilers or process heaters not subject to this subpart?). Paragraph (a) is the exemption for the EGUs (Sources 031, 032, & 033).
(e) § 63.7495 (When do I have to comply with this subpart?). Paragraph (b) applies.
(f) § 63.7505 (What are my general requirements for complying with this subpart?). Paragraph (a) applies.
(g) § 63.7565 (What parts of the General Provisions apply to me?).
(h) § 63.7570 (Who implements and enforces this subpart?).
(i) Table 10 to Subpart DDDDD of Part 63 - Applicability of General Provisions to Subpart DDDDD.

 # 012 [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) [Not Applicable]

(o) Limited-use boilers and process heaters.

(p) - (u) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

 # 013 [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) [Not Applicable]

(e) For existing affected sources (as defined in §63.7490), 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. [Omitted other provisions not applicable to limited-use boilers.]

(f) - (k) [Not Applicable]

[78 FR 7164, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015]

SECTION E. Source Group Restrictions.

 # 014 [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:

[Only select definitions included in this operating permit. For the rest of the terminology, refer to § 63.7575 of Title 40 - Protection of Environment in www.ecfr.gov.]

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.

BOILER means an enclosed device using controlled flame combustion and having the primary purpose of recovering thermal energy in the form of steam or hot water. Controlled flame combustion refers to a steady-state, or near steady-state, process wherein fuel and/or oxidizer feed rates are controlled. A device combusting solid waste, as defined in §241.3 of this chapter, is not a boiler unless the device is exempt from the definition of a solid waste incineration unit as provided in section 129(g)(1) of the Clean Air Act. Waste heat boilers are excluded from this definition.

BOILER SYSTEM means the boiler and associated components, such as, the feed water system, the combustion air system, the fuel system (including burners), blowdown system, combustion control systems, steam systems, and condensate return systems.

CALENDAR YEAR means the period between January 1 and December 31, inclusive, for a given year.

DEVIATION.

(1) DEVIATION means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(i) Fails to meet any applicable requirement or obligation established by this subpart including, but not limited to, any emission limit, operating limit, or work practice standard; or

(ii) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit.

(2) A deviation is not always a violation.

FEDERALLY ENFORCEABLE means all limitations and conditions that are enforceable by the EPA Administrator, including, but not limited to, the requirements of 40 CFR parts 60, 61, 63, and 65, requirements within any applicable state implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 40 CFR 51.24.

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 annual capacity factor of no more than 10 percent.

TUNE-UP means adjustments made to a boiler or process heater in accordance with the procedures outlined in §63.7540(a)(10).

[78 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72817, Nov. 20, 2015]

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

SECTION E. Source Group Restrictions.

Group Name: BOILERS - CSAPR

Group Description: Cross-State Air Pollution Rule (§ 40 CFR 97)

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)

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 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The requirements of 25 Pa. Code §§ 123.102 to123.111 and 123.113, which pertained to the NOx Budget Rule, were replaced by the CAIR requirements and subsequently by the CSAPR requirements and have been removed from this permit. The requirements of 25 Pa. Code §§ 145.204, 145.205, 145.212, 145.213, 145.221, 145.222, 145.223 and the requirements of § 40 CFR 97.106, 97.206, and 97.306, which pertained to the CAIR requirements, were replaced by the CSAPR requirements and have been removed from this permit.

 # 002 [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) #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) 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, #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) are allocated the following CSAPR NOx Annual allowances for the year 2020:

Year	NOx Annual Allocation (tons)		
	#1 Boiler	#2 Boiler	#3 Boiler

SECTION E. Source Group Restrictions.

	(Source ID 031)	(Source ID 032)	(Source ID 033)
2020	3,829	3,761	4,068

(b) In accordance with 40 CFR § § 97.421, EPA will announce in a notice of data availability and record in the #1 Boiler, #2 Boiler, and #3 Boiler Annual NOx Compliance Account, the allowance allocations for control periods beyond the year 2020.

(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.

 # 003 [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

SECTION E. Source Group Restrictions.

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

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

SECTION E. Source Group Restrictions.

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.

(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.

SECTION E. Source Group Restrictions.

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

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

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

[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]

 # 004 [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 add-on 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;

SECTION E. Source Group Restrictions.

(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 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]

 # 005 [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.

SECTION E. Source Group Restrictions.

(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:

(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]

SECTION E. Source Group Restrictions.

 # 006 [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) #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) 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, #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) are allocated the following CSAPR SO2 Group 1 allowances for the years 2019 through 2020:

Year	SO2 Group 1 Annual Allocation (tons)		
	#1 Boiler (Source ID 031)	#2 Boiler (Source ID 032)	#3 Boiler (Source ID 033)
2020	3,635	3,571	3,862

(b) In accordance with 40 CFR § § 97.621, EPA will announce in a notice of data availability and record in the #1 Boiler, #2 Boiler, and #3 Boiler Annual SO2 Group 1 Compliance Account, the allowance allocations for control periods beyond the year 2020.

(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.

 # 007 [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

SECTION E. Source Group Restrictions.

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

(2) CSAPR SO2 GROUP 1 ASSURANCE PROVISIONS.

(i) If total SO2 emissions during a control period in a given year from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in a State (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.

SECTION E. Source Group Restrictions.

(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 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.

SECTION E. Source Group Restrictions.

(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 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;]

 # 008 [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:

SECTION E. Source Group Restrictions.

(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 add-on SO2 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 §97.630 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]

SECTION E. Source Group Restrictions.

 # 009 [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 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

SECTION E. Source Group Restrictions.

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.

[76 FR 48379, Aug. 8, 2011, as amended at 79 FR 71672, Dec. 3, 2014; 81 FR 74618, Oct. 26, 2016]

 # 010 [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) #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) 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, #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) are allocated the following CSAPR NOx Ozone Season (May 1 through September 30) allowances for the year 2020:

Year	NOx Ozone Season Group 2 Annual Allocation (tons)		
	#1 Boiler (Source ID 031)	#2 Boiler (Source ID 032)	#3 Boiler (Source ID 033)
2020	556	500	622

(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.]

 # 011 [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) #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) 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, #1 Boiler (Source ID 031), #2 Boiler (Source ID 032), and #3 Boiler (Source ID 033) 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)		
	#1 Boiler (Source ID 031)	#2 Boiler (Source ID 032)	#3 Boiler (Source ID 033)
2021	315	224	318
2022	314	223	318
2023	314	223	318
2024	314	223	318

(b) In accordance with 40 CFR § § 97.1021, EPA will announce in a notice of data availability and record in the #1 Boiler, #2 Boiler and #3 Boiler Annual NOx Ozone Season Group 3 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.

[Effective June 29, 2021, § 97 Subpart GGGGG replaces § 97 Subpart EEEEE for Pennsylvania.]

 # 012 [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

SECTION E. Source Group Restrictions.

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 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.

SECTION E. Source Group Restrictions.

(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.

(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

SECTION E. Source Group Restrictions.

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 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.

 # 013 [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

SECTION E. Source Group Restrictions.

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:

(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).

 # 014 [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

SECTION E. Source Group Restrictions.

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 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.

SECTION E. Source Group Restrictions.

(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)(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: BOILERS - GEN REQTS

Group Description: State Requirements, RACT II (PA 32-00055J), RACT I (PA 32-000-055), PA 32-00055C

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]

Combustion units

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the rate of 0.1 pounds per million Btu of heat input.

[The performance test pursuant to § 63 Subpart UUUUU, incorporated under Source Group BOILERS - MACT UTILITY in Section E of this permit, will demonstrate compliance with the PM limit of this condition.]

 # 002 [25 Pa. Code §123.22]

Combustion units

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

(1) GENERAL PROVISIONS. [See Source Group FUEL OIL - COMBUSTION UNITS in Section E of this permit. The SO2 emission limit pursuant to (a)(1) applies only during burning of commercial oil (i.e., startup).]

(2) COMMERCIAL FUEL OIL. [See Source Group FUEL OIL - COMBUSTION UNITS in Section E of this permit.]

(3) [Not Applicable]

(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) [Not Applicable]

(iii) [Streamlined out. Compliance with PA 32-00055H's SO2 emission limits for Sources 031 & 032 and with PA 32-00055C's SO2 emission limit for Source 033 assures compliance with § 123.22(a)(4)(iii)'s SO2 emission limit.]

(b) - (e) [Not Applicable]

(f) - (h) [See Source Group FUEL OIL - COMBUSTION UNITS in Section E of this permit.]

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The emission of ammonia from the boilers shall not exceed 5 ppmv.

[PA 32-00055C]

II. TESTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Performance testing shall be conducted as follows:

SECTION E. Source Group Restrictions.

(1) All testing shall be conducted in accordance with any applicable federal regulations (such as New Source Performance Standards (NSPS), Subparts Da, Db, Dc, Ea, Eb, and Ec); 25 Pa. Code, Chapter 139 (relating to sampling and testing); and Revision 3.3 of the 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, Method 5 shall be used to determine the filterable particulate matter (FPM) emission concentration (grains/dscf) and filterable particulate emission rate (lbs/hour and lbs/MMBTU).
(C) 40 CFR 60, Appendix A, Method 19 shall be used to determine the particulate matter emission rate in lbs/MMBTU.

(2) All testing shall be performed while Ssource(s) 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.

(3) The following process parameters shall be recorded at 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) ESP - Secondary voltage of individual buss sections [Volts]
(I) ESP - Secondary current of individual buss sections [milliamps]
(J) ESP - Spark rate of individual buss sections [sparks/second]
(K) Scrubber liquor flow rate [gpm]
(L) Speed of draft fans [rpm]
(M) Output of powered electrical generator [mw]

(4) Alternative methodology may also be used, subject to Department approval.

(b) For source test submittals, follow the procedure under Source Group SOURCE TEST SUBMITTALS in Section E of this permit.

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §123.25]

Monitoring requirements

(a) This section applies to the following:

(1) Combustions units specified in 123.22(a)(4), (b)(4), (c)(4) or (e)(5) (relating to combustion units).

(2) Fossil fuel-fired steam generators of greater than 250 million Btus per hour of heat input which has installed sulfur dioxide pollutant control equipment.

(3) [Not Applicable]

(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 of 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

SECTION E. Source Group Restrictions.

requirements in Chapter 139, Subchapter C.

(d) [Not Applicable]

(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) [Omitted. One-time requirement.]

(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.

 # 006 [25 Pa. Code §123.46]

Monitoring requirements

(a) The following sources are subject to this section:

(1) Fossil fuel-fired steam generators with an annual average capacity factor of greater than 30%, as demonstrated to the Department by the owner or operator, and of greater than 250 million Btu per hour heat input except where:
(i) - (ii) [Not Applicable]

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

(c) The Department may exempt a source from the requirements of subsection (b) if the Department determines that the installation of a continuous emission monitoring system would not provide accurate determination of emissions or that installation of a continuous emission monitoring system may not be implemented by a source due to physical plant limitations or to extreme economic reasons. The Department will require such an exempted source to fulfill alternative emission monitoring and reporting requirements.

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

(e) [Omitted. One-time requirement.]

 # 007 [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%.

(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) [Not Applicable]

(f) [Omitted. One-time requirement.]

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).

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.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC RACT for these sources shall be operation and maintenance in accordance with manufacturer's specifications and good air pollution control practices.

[This condition is derived from special condition #13 of RACT I, PA 32-000-055.]

VII. ADDITIONAL REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emission reductions of the targeted contaminants (NOx and VOC) below the level specified in the approval which are achieved by optimizing the effectiveness of equipment installed pursuant to Plan Approvals are not surplus emission reduction and shall not be used to generate Emission Reduction Credits. In order for emission reductions to be creditable, the emission reductions must satisfy the requirements of 25 PA Code Chapter 127, Subchapter E. This is special condition #7 of permit # 32-000-055.

 # 010 [40 CFR Part 72 Regulations on Permits §40 CFR 72.1]

Subpart A--Acid Rain Program General Provisions

Purpose and scope.

Sources 031, 032, and 033 are subject to the Title IV Acid Rain Program of the 1990 Clean Air Act Amendments, and the trading provisions of the Transport Rule (Cross State Air Pollution Rule (CSAPR)) and shall comply with all applicable provisions, including the following:

(a) § 40 CFR Part 72 (Permit Regulations).
The following are sections/provisions identified in previous operating permits as applicable.
(1) § 72.32. All subsections except (d).
(2) § 72.51. All subsections.
(3) § 72.6. Subsection (a)(2).

(b) § 40 CFR Part 73 (Sulfur Dioxide Allowance System).

(c) § 40 CFR Part 74 (Sulfur Dioxide Opt-Ins).

(d) § 40 CFR Part 75 (Continuous Emission Monitoring).
The following are sections/provisions identified in previous operating permits as applicable.
(1) § 75.10. All subsections.
(2) § 75.12. Subsections (a) & (b).
(3) § 75.13. Subsection (a).
(4) § 75.14. Subsections (a) & (b).
(5) § 75.2. All subsections.
(6) § 75.20. All subsections except (e), (f), & (g).
(7) § 75.21. Subsections (a)(1), (2) & (3).
(8) § 75.22. All subsections.
(9) § 75.24. All subsections.
(10) § 75.30. All subsections.
(11) § 75.4 Subsection (a)(3).
(12) § 75.53. All subsections.

SECTION E. Source Group Restrictions.

(13) § 75.57
(14) § 75.58
(15) § 75.59
(16) § 75.60. All subsections.
(17) § 75.61. All subsections.
(18) § 75.62. All subsections.
(19) § 75.63. All subsections.
(20) § 75.64. All subsections.
(21) § 75.65. All subsections.

(e) § 40 CFR Part 76 (Acid Rain Nitrogen Oxides Emission Reduction Program).

(f) § 40 CFR Part 77 (Excess Emissions).

The sources shall comply with the requirements in the attached Phase II Acid Rain Permit Application.

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

SECTION E. Source Group Restrictions.

Group Name: BOILERS - INDIANA COUNTY SO2 SIP

Group Description: Contingency Measures for Homer City Pursuant to Indiana County SO2 SIP

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)

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.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Contingency measures for Homer City Generation as established in SIP Revision for Indiana, PA Non-attainment area for 2010 1-hr SO2 NAAQS, dated October 2017.]

(a) If SO2 emissions from the combined SO2 Emitting Sources at the Homer City Plant exceed 99% of the SO2 emission limits set forth in Plan Approval 32-00055H (and excluding periods of startup, shutdown and transition of modules in the Novel Integrated Desulfurization Systems installed on Units 1 and 2, which are subject to the emissions limitations set forth in Plan Approval 32-00055I), Homer City shall, within 48 hours, undertake a full- system audit of the SO2 Emitting Sources, and will submit a written report to DEP within 15 days. A malfunction report prepared pursuant to Title V Operating Permit 32-00055, Section C. Condition 015 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 SO2 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 32-00055H and good air pollution control practices. If the SO2 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 Homer City shall identify corrective actions to be implemented to ensure that the limits in plan approval 32-00055H are not exceeded. Only one audit in a seven-operating day period is required if combined SO2 emissions from the SO2 Emitting Sources exceed 99% of the SO2 emission limits in Plan Approval No. 32-00055H. 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 1-hour SO2 NAAQS), the Department will notify Homer City both verbally and in writing. Homer City shall identify whether any of the SO2 Emitting Sources at the Homer City Plant were running at the time of the exceedance, and within a reasonable time period leading up to the exceedance, not to exceed 24 hours. If any of the SO2 Emitting Sources at the Homer City Plant were running at the time of the exceedance, and within a reasonable time period leading up to the exceedance, not to exceed 24 hours, Homer City must then analyze the meteorological data on the day the daily exceedance occurred to ensure that the daily exceedance was not due to SO2 emissions from the Homer City Plant. The meteorological data analysis should include trajectories run at three different heights (one at stack height and two

SECTION E. Source Group Restrictions.

more within the boundary layer) by the National Oceanic and Atmospheric Administration's (NOAA) 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 SO2 Emitting Sources at the Homer City Plant could have potentially mixed down to the Strongstown SO2 monitor. Homer City'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 Homer City Plant alone, meteorological analysis for Homer City 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 Homer City Plant could have potentially mixed down to the Strongstown SO2 monitor.

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: BOILERS - MACT UTILITY

Group Description: § 40 CFR 63 Subpart UUUUU (MATS Rule)

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)

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).

[Sources 031, 032, and 033 currently comply with MATS Rule's HCl requirement through emissions averaging. Sources 031 and 032, pursuant to PA 32-00055H, are subject to and can comply with the 0.2 lb/mmbtu SO2 limit, which is equivalent to MATS Rule's alternate SO2 requirement. Taking this into account, Sources 031 and 032 can demonstrate compliance with both the HCl and alternate SO2 requirements.]

[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

Pursuant to § 63.9991 and Table 2 to Subpart UUUUU of Part 63, EGUs in the COAL-FIRED UNITS NOT LOW RANK VIRGIN COAL subcategory complying with the following pollutants, you must meet the following limits using the specified requirements:

(a) For Filterable Particulate Matter (PM):

(1) The emission limit is 0.030-lb/MMBtu or 0.30-lb/MWh.

(2) Collect a minimum of 1 dscm per run in accordance with the test methods in Table 5.

[Omitted alternate Total non-Hg HAP metalts limit and alternate individual HAP metal limits. Homer City complies with

SECTION E. Source Group Restrictions.

FPM limit.]

(b) For Hydrogen Chloride (HCl):

(1) The emission limit of 0.0020 lb/MMBtu or 0.020 lb/MWh.

(2) 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 or Method 320 at appendix A to Part 63 of this chapter, sample for a minimum of 1 hour.

OR

For Sulfur Dioxide (SO2):

(1) The emission limit of 0.20 lb/MMBtu or 1.5 lb/MWh.

(2) SO2 CEMS.

[Homer City complies with and is LEE status for HCl. Still, the alternate SO2 limit is incorporated into the operating permit because Sources 031 and 032 are subject to an equivalent SO2 limit (0.20 lb/mmbtu) pursuant to PA 32-00055H.]

(c) For Mercury (Hg):

(1) The emission limit is 1.2 lb/TBtu or 0.013 lb/GWh.

(2) LEE Testing for 30 days with 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.

[Footnotes:
(1) For LEE emissions testings for total PM, total HAP metals, individual HAP metals, HCl, & HF, the required minimum sampling volume must be increased nomimally by a factor of two.

(2) MWh - Gross output.

(3) For ASTM D6348-03, 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.

[81 FR 20192, Apr. 6, 2016]

[This is item (1) of Table 2 to Subpart UUUUU. The rest of the items (i.e., other pollutants & limits for the above subcategory; other subcategories) of Table 2 are not applicable.]

II. TESTING REQUIREMENTS.

 # 003 [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:

SECTION E. Source Group Restrictions.

(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:

(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

SECTION E. Source Group Restrictions.

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) For EGUs employing neural network combustion optimization systems during normal operation, each performance tune-up specified in §63.10021(e) must be no more than 48 calendar months after the previous performance tune-up.

[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]

 # 004 [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).

[This will apply if Homer City plans to comply with the alternate SO2 limits for Sources 031 and 032.]

(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 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. Provision on PM CPMS.]

(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. Provision on PM CPMS.]

(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

SECTION E. Source Group Restrictions.

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 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. [Applicable but omitted. Provisions on reporting emissions in gross output-basis.]

(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]

SECTION E. Source Group Restrictions.

III. MONITORING REQUIREMENTS.

 # 005 [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 periods of monitoring system malfunctions or out-of-control periods (see §63.8(c)(7) of this part), and required monitoring system quality assurance or quality control activities, including, as applicable, calibration checks and required zero and span adjustments. 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.

(d) Except for 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 including, as applicable, calibration checks and required zero and span adjustments), failure to collect required data is a deviation from the monitoring requirements.

(e) [Omitted. Provisions on paragraph (2) of the definition of startup in § 63.10042.]

[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]

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [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 emissions, you must also keep the records required under appendix A and/or appendix B to this subpart.

(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 or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance stack tests, fuel analyses, or other compliance demonstrations and performance evaluations, as required in §63.10(b)(2)(viii).

(b) [Omitted. Provisions on CEMS and CPMS. Must comply with this provision if Homer City will demonstrate compliance with the alternate SO2 limit, and not with the HCl limit.]

(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.

SECTION E. Source Group Restrictions.

(1) You must keep records of monthly fuel use by each EGU, including the type(s) of fuel and amount(s) used.

(2) [Omitted. Provision on use of non-hazardous secondary material as fuel.]

(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) [Omitted. Provision on paragraph (2) of the definition of startup in § 63.10042.]

(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. Provision on limited-use liquid oil-fired EGU.]

[77 FR 9464, Feb. 16, 2012, as amended at 79 FR 68792, Nov. 19, 2014; 81 FR 20189, Apr. 6, 2016]

 # 007 [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.

 # 008 [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) - (b) [See VII. Additional Requirements for this source group.]

(c) [Not Applicable. Provisions on PM CPMS.]

(d) [See VII. Additional Requirements for this source group.]

SECTION E. Source Group Restrictions.

(e) [See VI. Work Practice Requirements for this source group.]

(f) You must submit the reports required under §63.10031 and, if applicable, the reports required under appendices A and B to this subpart. The electronic reports required by appendices A and B to this subpart must be sent to the Administrator electronically in a format prescribed by the Administrator, as provided in §63.10031. CEMS data (except for PM CEMS and any approved alternative monitoring using a HAP metals CEMS) shall be submitted using EPA's Emissions Collection and Monitoring Plan System (ECMPS) Client Tool. Other data, including PM CEMS data, HAP metals CEMS data, and CEMS performance test detail reports, shall be submitted in the file format generated through use of EPA's Electronic Reporting Tool, the Compliance and Emissions Data Reporting Interface, or alternate electronic file format, all as provided for under §63.10031.

(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) 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) You must report the information as required in §63.10031.

(4) [Omitted. Provision on paragraph (2) of the definition of startup in § 63.10042.]

(i) You must provide reports as specified in §63.10031 concerning activities and periods of startup and shutdown.

[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]

 # 009 [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) [Omitted. Provision on initial notification is a one-time requirement.]

(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.

[§ 63.10030 is a performance test notification for EPA. For the Department, follow the latest source test submittal procedure.]

(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 the information specified in paragraphs (e)(1) through (8) of this section, as applicable.

(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

SECTION E. Source Group Restrictions.

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) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following:

(i) A summary of the results of the annual performance tests and documentation of any operating limits that were reestablished during this test, if applicable. If you are conducting stack tests once every 3 years consistent with §63.10005(h)(1)(i), 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 §63.10006(i), and a statement as to whether there have been any operational changes since the last stack test that could increase emissions.

(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 as specified in Table 2 to this subpart with which you plan to comply.

(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 demonstrates through performance stack test results completed within 30 days prior to your submission, compliance for each EGU or EGU emissions averaging group with both the mass per heat input and mass per gross output limits;

(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 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

SECTION E. Source Group Restrictions.

from the Administrator of the switch, you 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) [Omitted. Provisions for facilities relying on paragraph (2) of the definition of startup in § 63.10042.]

(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) [Omitted. Provisions on change of applicability of, and exemption from, MATS Rule.]

[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]

 # 010 [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 Table 8 to this subpart that applies to you. If you are required to (or elect to) continuously monitor Hg and/or HCl and/or HF emissions, you must also submit the electronic reports required under appendix A and/or appendix B to the subpart, at the specified frequency.

(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 8 to this subpart and 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 source in §63.9984 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 §63.9984.

(2) The first compliance report must be postmarked or 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 §63.9984.

(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 postmarked or 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

SECTION E. Source Group Restrictions.

CFR 71.6(a)(3)(iii)(A), 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.

(c) The compliance report must contain the information required in paragraphs (c)(1) through (9) 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) [Omitted. Provision on paragraph (2) of the definition of startup in § 63.10042.]

(6) [Omitted. Provision on emergency bypass.]

(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.

(d) For each excess emissions occurring at an affected source where you are using a CMS to comply with that emission limit or operating limit, you must include the information required in §63.10(e)(3)(v) in the compliance report specified in section (c).

(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 compliance report pursuant to Table 8 to 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 limit, operating limit, or work practice requirement in this subpart, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. Submission of a compliance report does not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(f) On or after July 1, 2020, within 60 days after the date of completing each performance test, you must submit the performance test reports required by this subpart to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov). Performance test data must be submitted in the file format generated through use of EPA's Electronic Reporting Tool (ERT) (see https://www.epa.gov/ttn/chief/ert/index.html). Only data collected using those test methods on the ERT website are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703.

SECTION E. Source Group Restrictions.

The same ERT file with the CBI omitted must be submitted to EPA via CDX as described earlier in this paragraph. At the discretion of the delegated authority, you must also submit these reports, including the confidential business information, to the delegated authority in the format specified by the delegated authority.

(1) [Omitted. Provisions on CEMS. Must comply with this provision if Homer City will demonstrate compliance with the alternate SO2 limit, and not with the HCl limit.]

(2) [Not Applicable. Provisions on PM CEMS, PM CPMS, or HAP metals CEMS.]

(3) Reports for an SO2 CEMS, a Hg CEMS or sorbent trap monitoring system, an HCl or HF CEMS, and any supporting monitors for such systems (such as a diluent or moisture monitor) shall be submitted using the ECMPS Client Tool, as provided for in Appendices A and B to this subpart and §63.10021(f).

(4) On or after July 1, 2020, submit the compliance reports required under paragraphs (c) and (d) of this section and the notification of compliance status required under §63.10030(e) to the EPA's WebFIRE database by using the CEDRI that is accessed through the EPA's CDX (https://cdx.epa.gov). You must use the appropriate electronic reporting form in CEDRI or provide an alternate electronic file consistent with EPA's reporting form output format.

(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) Prior to July 1, 2020, all reports subject to electronic submittal in paragraphs (f) introductory text, (f)(1), (2), and (4) of this section shall be submitted to the EPA at the frequency specified in those paragraphs in electronic portable document format (PDF) using the ECMPS Client Tool. Each PDF version of a submitted report must include sufficient information to assess compliance and to demonstrate that the testing was done properly. 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 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) [Not Applicable. Provision on common stack.]

(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) The rule citation (e.g., §63.10031(f)(1), §63.10031(f)(2), etc.) for which the report is showing compliance;

(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 conducted (if applicable); and

SECTION E. Source Group Restrictions.

(xii) The responsible official's name, title, and phone number.

(g) 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.

[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]

 # 011 [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

As stated in §63.10031, you must comply with the following requirements for reports:

YOU MUST SUBMIT A...
(1) Compliance Report

THE REPORT MUST CONTAIN...
(a) Information required in §63.10031(c)(1) through (9); and

(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 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, 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) or work practice standard during the reporting period, the report must contain the information in §63.10031(d). If there were periods during which the CMSs, including continuous emissions monitoring systems and continuous parameter monitoring systems, were out-of-control, as specified in §63.8(c)(7), the report must contain the information in §63.10031(e).

YOU MUST SUBMIT THE REPORT...
Semiannually according to the requirements in §63.10031(b).

[81 FR 20201, Apr. 6, 2016]

VI. WORK PRACTICE REQUIREMENTS.

 # 012 [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?

(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

SECTION E. Source Group Restrictions.

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, 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) Report the dates of the initial and subsequent tune-ups in hard copy, as specified in §63.10031(f)(5), through June 30, 2020. On or after July 1, 2020, report the date of all tune-ups electronically, in accordance with §63.10031(f). The tune-up report date is the date when tune-up requirements in paragraphs (e)(6) and (7) of this section are completed.

[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]

 # 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10022]

SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units

SECTION E. Source Group Restrictions.

How do I demonstrate continuous compliance under the emissions averaging provision?

(a) Following the compliance date, the owner or operator must demonstrate compliance with this subpart on a continuous basis by meeting the requirements of paragraphs (a)(1) through (4) of this section.

(1) For each 30- (or 90-) day rolling average period, demonstrate compliance with the average weighted emissions limit for the existing units participating in the emissions averaging option as determined in §63.10009(f) and (g);

[§ 63.10009 is incorporated under VII. Additional Requirements for this source group.]

(2) - (3) [Not Applicable]

(4) For each existing EGU participating in the emissions averaging option, operate in accordance with the startup or shutdown work practice requirements given in Table 3 to this subpart.

(b) Any instance where the owner or operator fails to comply with the continuous monitoring requirements in paragraphs (a)(1) through (3) of this section is a deviation.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23404, Apr. 19, 2012; 79 FR 68791, Nov. 19, 2014]

 # 014 [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 MEET THE FOLLOWING...
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).

IF YOUR EGU IS...
(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 MEET THE FOLLOWING...
(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).

(2) [Omitted. Provision on paragraph (2) of the definition of startup in § 63.10042.]

(b) [Not Applicable. Provision on IGCC EGU.]

(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

SECTION E. Source Group Restrictions.

except for startup and shutdown periods.

(d) You must keep records during startup periods, as provided in §§63.10032 and 63.10021(h). You must provide reports concerning activities and startup periods, as specified in §§63.10011(g), 63.10021(i), and 63.10031.

IF YOUR EGU IS...
(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 MEET THE FOLLOWING...
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.

[Omitted work practice standard for IGCC EGU.]

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 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.

[81 FR 20196, Apr. 6, 2016]

[Item (2) of Table 3 to Subpart UUUUU of Part 63 does not apply.]

VII. ADDITIONAL REQUIREMENTS.

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

The following provisions of § 40 CFR 63 Subpart UUUUU apply to Sources 031, 032, and 033, and are incorporated by reference.

(a) § 63.9980 (What is the purposes of this subpart?).
(b) § 63.9981 (Am I subject to this subpart?).
(c) § 63.9982 (What is the affected source of this subpart?). Paragraphs (a)(1) & (d).
(d) § 63.9984 (When do I have to comply with this subpart?). Paragraphs (b), (c), & (f).
(e) § 63.9990 (What are the subcategores of EGUs). Paragraph (a)(1).
(f) § 63.10005 (What are my initial requirements and by what date must I conduct them?) Paragraphs (a)(1), (a)(2)(i to ii), (b)(1 to 6), (d)(3), (e), (f), (j), & (k). Paragraph (h), which defines the LEE requirements, is incorporated as an additional requirement for this source group.
(g) § 63.10010 (What are my monitoring, installation, operation, and maintenance requirements?) Paragraphs (a)(1), (b), (c), (d), (f)(1 to 4), & (g).
[Homer City must comply with § 63.10010 if it plans to have Sources 031 and 032 comply with the alternate SO2 limit.]
(h) § 63.10040 (What parts of the General Provisions apply to me?)
(i) § 63.10041 (Who implements and enforces this subpart?)
(j) Table 5 to Subpart UUUUU of Part 63 (Performance Testing Requirements)
(k) Table 9 to Subpart UUUUU of Part 63 (Applicability of General Provisions to Subpart UUUUU)
(l) Appendix A to Subpart UUUUU of Part 63 - Hg Monitoring Provisions

Sections, tables, and appendices of § 63 Subpart UUUUU not mentioned in this condition nor permit conditions for this

SECTION E. Source Group Restrictions.

source group do not apply to three (3) affected sources. For details on provisions determined 'not applicable' or 'omitted' in this operating permit, please refer to www.ecfr.gov.

 # 016 [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?

(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

[Homer City is LEE for FPM and HCl emissions.]

(ii) [Omitted. Homer City is not LEE for Hg emissions.]

(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) [Omitted. Homer City is not LEE for Hg emissions.]

(4) - (5) [Not Applicable]

[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]

[For other applicable provisions of § 63.10005, see VII. Additional Requirements for this source group.]

 # 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Subpart 63.10009]

SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units

May I use emissions averaging to comply with this subpart?

(a) GENERAL ELIGIBILITY.

(1) You may use emissions averaging as described in paragraph (a)(2) of this section as an alternative to meeting the requirements of §63.9991 for filterable PM, SO2, HF, HCl, non-Hg HAP metals, or Hg on an EGU-specific basis if:

(i) You have more than one existing EGU in the same subcategory located at one or more contiguous properties, belonging to a single major industrial grouping, which are under common control of the same person (or persons under common control); and

(ii) You use CEMS (or sorbent trap monitoring systems for determining Hg emissions) or quarterly emissions testing for demonstrating compliance.

[Homer City uses emissions averaging to achieve LEE status for PM and HCl emissions.]

SECTION E. Source Group Restrictions.

(2) You may demonstrate compliance by emissions averaging among the existing EGUs in the same subcategory, if your averaged Hg emissions for EGUs in the "unit designed for coal = or > 8,300 Btu/lb" subcategory are equal to or less than 1.2 lb/TBtu or 1.3E-2 lb/GWh on a 30-boiler operating day basis or if your averaged emissions of individual, other pollutants from other subcategories of such EGUs are equal to or less than the applicable emissions limit in Table 2 to this subpart, according to the procedures in this section. Note that except for the alternate Hg emissions limit from EGUs in the "unit designed for coal = or > 8,300 Btu/lb" subcategory, the averaging time for emissions averaging for pollutants is 30 days (rolling daily) using data from CEMS or a combination of data from CEMS and manual performance (LEE) testing. The averaging time for emissions averaging for the alternate Hg limit (equal to or less than 1.0 lb/TBtu or 1.1E-2 lb/GWh) from EGUs in the "unit designed for coal = or > 8,300 Btu/lb" subcategory is 90-boiler operating days (rolling daily) using data from CEMS, sorbent trap monitoring, or a combination of monitoring data and data from manual performance (LEE) testing. For the purposes of this paragraph, 30- (or 90-) group boiler operating days is defined as a period during which at least one unit in the emissions averaging group operates on each of the 30 or 90 days. You must calculate the weighted average emissions rate for the group in accordance with the procedures in this paragraph using the data from all units in the group including any that operate fewer than 30 (or 90) days during the preceding 30 (or 90) group boiler days.

(i) You may choose to have your EGU emissions averaging group meet either the heat input basis (MMBtu or TBtu, as appropriate for the pollutant) or gross output basis (MWh or GWh, as appropriate for the pollutant).

(ii) You may not mix bases within your EGU emissions averaging group.

(iii) [Not Applicable. Provision for units venting through a common stack.]

(b) EQUATIONS. Use the following equations when performing calculations for your EGU emissions averaging group:

(1) GROUP ELIGIBILITY EQUATIONS.

(Eq. 1a)
[For the equation and notations, refer to § 63.10009 of Title 40 - Protection of Environment in www.ecfr.gov. Based on letter dated December 11, 2019, Homer City complies with emissions averaging using Eq. 1a of § 63.10009.]

Where:
WAERm = Maximum Weighted Average Emission Rate in terms of lb/heat input or lb/gross output,
Herm_i,j = hourly emission rate (e.g., lb/MMBtu, lb/MWh) from CEMS or sorbent trap monitoring as determined during the initial compliance determination from EGU j,
Rmm_j = Maximum rated heat input, MMBtu/h, or maximum rated gross output, MWh/h, for EGU j,
p = number of EGUs in emissions averaging group that rely on CEMS,
Ter_k = Emissions rate (lb/MMBTU or lb/MWh) as determined during the initial compliance determination of EGU k,
Rmt_k = Maximum rated heat input, MMBtu/h, or maximum rated gross output, MWh/h, for EGU k, and
m = number of EGUs in emissions averaging group that rely on emissions testing.

(Eq. 1b) [Omitted. Homer City uses Eq. 1a.]

(2) [Not Applicable. Provisions involving use of CEMS in emissions averaging for pollutants other than Hg. Homer City complies with emissions averaging for FPM and HCl using performance stack tests.]

(3) [Not Applicable. For Hg, Homer City complies with 1.2 lb/TBtu based on 30-day sampling period.]

(c) SEPARATE STACK REQUIREMENTS. For a group of two or more existing EGUs in the same subcategory that each vent to a separate stack, you may average filterable PM, SO2, HF, HCl, non-Hg HAP metals, or Hg emissions to demonstrate compliance with the limits in Table 2 to this subpart if you satisfy the requirements in paragraphs (d) through (j) of this section.

(d) For each existing EGU in the averaging group:

(1) The emissions rate achieved during the initial performance test for the HAP being averaged must not exceed the emissions level that was being achieved 180 days after April 16, 2015, or the date on which emissions testing done to support your emissions averaging plan is complete (if the Administrator does not require submission and approval of your

SECTION E. Source Group Restrictions.

emissions averaging plan), or the date that you begin emissions averaging, whichever is earlier; or

(2) The control technology employed during the initial performance test must not be less than the design efficiency of the emissions control technology employed 180 days after April 16, 2015 or the date that you begin emissions averaging, whichever is earlier.

(e) The weighted-average emissions rate from the existing EGUs participating in the emissions averaging option must be in compliance with the limits in Table 2 to this subpart at all times following the date that you begin emissions averaging.

(f) Emissions averaging group eligibility demonstration. You must demonstrate the ability for the EGUs included in the emissions averaging group to demonstrate initial compliance according to paragraph (f)(1) or (2) of this section using the maximum rated heat input or gross output over a 30- (or 90-) boiler operating day period of each EGU and the results of the initial performance tests. For this demonstration and prior to preparing your emissions averaging plan, you must conduct required emissions monitoring for 30- (or 90-) days of boiler operation and any required manual performance testing to calculate maximum weighted average emissions rate in accordance with this section. If, before the start of your initial compliance demonstration, the Administrator becomes aware that you intend to use emissions averaging for that demonstration, or if your initial Notification of Compliance Status (NOCS) indicates that you intend to implement emissions averaging at a future date, the Administrator may require you to submit your proposed emissions averaging plan and supporting data for approval. If the Administrator requires approval of your plan, you may not begin using emissions averaging until the Administrator approves your plan.

(1) You must use Equation 1a in paragraph (b) of this section to demonstrate that the maximum weighted average emissions rates of filterable PM, HF, SO2, HCl, non-Hg HAP metals, or Hg emissions from the existing units participating in the emissions averaging option do not exceed the emissions limits in Table 2 to this subpart.

(2) [Omitted. Homer City uses Eq. 1a.]

(g) [Omitted. Homer City uses Eq. 1a.]

(h) CEMS (OR SORBENT TRAP MONITORING) USE. If an EGU in your emissions averaging group uses CEMS (or a sorbent trap monitor for Hg emissions) to demonstrate compliance, you must use those data to determine the 30 (or 90) group boiler operating day rolling average emissions rate.

(i) EMISSIONS TESTING. If you use manual emissions testing to demonstrate compliance for one or more EGUs in your emissions averaging group, you must use the results from the most recent performance test to determine the 30 (or 90) day rolling average. You may use CEMS or sorbent trap data in combination with data from the most recent manual performance test in calculating the 30 (or 90) group boiler operating day rolling average emissions rate.

(j) EMISSIONS AVERAGING PLAN. You must develop an implementation plan for emissions averaging according to the following procedures and requirements in paragraphs (j)(1) and (2) of this section.

(1) You must include the information contained in paragraphs (j)(1)(i) through (v) of this section in your implementation plan for all the emissions units included in an emissions averaging:

(i) The identification of all existing EGUs in the emissions averaging group, including for each either the applicable HAP emission level or the control technology installed as of 180 days after February 16, 2015, or the date on which you complete the emissions measurements used to support your emissions averaging plan (if the Administrator does not require submission and approval of your emissions averaging plan), or the date that you begin emissions averaging, whichever is earlier; and the date on which you are requesting emissions averaging to commence;

(ii) The process weighting parameter (heat input, gross output, or steam generated) that will be monitored for each averaging group;

(iii) The specific control technology or pollution prevention measure to be used for each emission EGU in the averaging group and the date of its installation or application. If the pollution prevention measure reduces or eliminates emissions from multiple EGUs, you must identify each EGU;

SECTION E. Source Group Restrictions.

(iv) The means of measurement (e.g., CEMS, sorbent trap monitoring, manual performance test) of filterable PM, SO2, HF, HCl, individual or total non-Hg HAP metals, or Hg emissions in accordance with the requirements in §63.10007 and to be used in the emissions averaging calculations; and

(v) A demonstration that emissions averaging can produce compliance with each of the applicable emission limit(s) in accordance with paragraph (b)(1) of this section.

(2) If, as described in paragraph (f) of this section, the Administrator requests you to submit the averaging plan for review and approval, you must receive approval before initiating emissions averaging.

(i) The Administrator shall use following criteria in reviewing and approving or disapproving the plan:

(A) Whether the content of the plan includes all of the information specified in paragraph (j)(1) of this section; and

(B) Whether the plan presents information sufficient to determine that compliance will be achieved and maintained.

(ii) The Administrator shall not approve an emissions averaging implementation plan containing any of the following provisions:

(A) Any averaging between emissions of different pollutants or between units located at different facilities; or

(B) The inclusion of any emissions unit other than an existing unit in the same subcategory.

(k) - (n) [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 20183, Apr. 6, 2016]

 # 018 [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. Provisions on PM CPMS.]

(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. Initial compliance for PM was through stack testing.]

(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 containing the results of the initial compliance demonstration, in accordance with §63.10030(e).

SECTION E. Source Group Restrictions.

(f) [Omit. Provision on use of using other fuel (cleaner fuel) during startup or shutdown.]

(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 information as required in §63.10031.

(4) [Omitted. Provision on paragraph (2) of the definition of startup in § 63.10042.]

[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]

 # 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) 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.

(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. Provision for liquid oil-fired EGUs.]

[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]

 # 020 [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 as follows:

[Only select terms are included in this permit. For the complete terminology, please refer to § 63.10042 under Title 40 - Protection of Environment in www.ecfr.gov.]

ANTHRACITE COAL means solid fossil fuel classified as anthracite coal by American Society of Testing and Materials (ASTM) Method D388-05, “Standard Classification of Coals by Rank” (incorporated by reference, see §63.14).

BITUMINOUS COAL means coal that is classified as bituminous according to ASTM Method D388-05, “Standard Classification of Coals by Rank” (incorporated by reference, see §63.14).

SECTION E. Source Group Restrictions.

BOILER OPERATING DAY means a 24-hour period that begins at midnight and ends the following midnight during which any fuel is combusted at any time in the EGU, excluding startup periods or shutdown periods. It is not necessary for the fuel to be combusted the entire 24-hour period.

CLEAN FUEL means natural gas, synthetic natural gas that meets the specification necessary for that gas to be transported on a Federal Energy Regulatory Commission (FERC) regulated pipeline, propane, distillate oil, synthesis gas that has been processed through a gas clean-up train such that it could be used in a system's combustion turbine, or ultra-low-sulfur diesel (ULSD) oil, including those fuels meeting the requirements of 40 CFR part 80, subpart I (“Subpart I—Motor Vehicle Diesel Fuel; Nonroad, Locomotive, and Marine Diesel Fuel; and ECA Marine Fuel”).

COAL means all solid fuels classifiable as anthracite, bituminous, sub-bituminous, or lignite by ASTM Method D388-05, “Standard Classification of Coals by Rank” (incorporated by reference, see §63.14), and coal refuse. Synthetic fuels derived from coal for the purpose of creating useful heat including but not limited to, coal derived gases (not meeting the definition of natural gas), solvent-refined coal, coal-oil mixtures, and coal-water mixtures, are considered “coal” for the purposes of this subpart.

COAL-FIRED ELECTRIC UTILITY STEAM GENERATING UNIT means an electric utility steam generating unit meeting the definition of “fossil fuel-fired” that burns coal for more than 10.0 percent of the average annual heat input during the 3 previous calendar years after the compliance date for your facility in §63.9984 or for more than 15.0 percent of the annual heat input during any one of those calendar years. EGU owners and operators must estimate coal, oil, and natural gas usage for the first 3 calendar years after the applicable compliance date and they are solely responsible for assuring compliance with this final rule or other applicable standard based on their fuel usage projections. After the first 3 years of compliance, EGUs are required to evaluate applicability based on coal or oil usage from the three previous calendars years on an annual rolling basis.

COAL REFUSE means waste products of coal mining, physical coal cleaning, and coal preparation operations (e.g. culm, gob, etc.) containing coal, matrix material, clay, and other organic and inorganic material.

DEVIATION.
(1) Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:
(i) Fails to meet any requirement or obligation established by this subpart including, but not limited to, any emission limit, operating limit, work practice standard, or monitoring requirement; or
(ii) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit.
(2) A deviation is not always a violation. The determination of whether a deviation constitutes a violation of the standard is up to the discretion of the entity responsible for enforcement of the standards.

DILUENT CAP means a default CO2 or O2 concentration that may be used to calculate the Hg, HCl, HF, or SO2 emission rate (lb/MMBtu or lb/TBtu, as applicable) during 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. The appropriate diluent cap values for EGUs are presented in §63.10007(f) and in section 6.2.1.2 of Appendix A to this subpart. For the purposes of this subpart, the diluent cap is not considered to be a substitute data value.

DRY FLUE GAS DESULFURIZATION TECHNOLOGY, or DRY FGD, or SPRAY DRYER ABSORBER (SDA), or SPRAY DRYER, or DRY SCRUBBER means an add-on air pollution control system located downstream of the steam generating unit that injects a dry alkaline sorbent (dry sorbent injection) or sprays an alkaline sorbent slurry (spray dryer) to react with and neutralize acid gases such as SO2 and HCl in the exhaust stream forming a dry powder material. Alkaline sorbent injection systems in fluidized bed combustors (FBC) or circulating fluidized bed (CFB) boilers are included in this definition.

DRY SORBENT INJECTION (DSI) means an add-on air pollution control system in which sorbent (e.g., conventional activated carbon, brominated activated carbon, Trona, hydrated lime, sodium carbonate, etc.) is injected into the flue gas steam upstream of a PM control device to react with and neutralize acid gases (such as SO2 and HCl) or Hg in the exhaust stream forming a dry powder material that may be removed in a primary or secondary PM control device.

ELECTRIC STEAM GENERATING UNIT means any furnace, boiler, or other device used for combusting fuel for the purpose of producing steam (including fossil-fuel-fired steam generators associated with integrated gasification combined cycle

SECTION E. Source Group Restrictions.

gas turbines; nuclear steam generators are not included) for the purpose of powering a generator to produce electricity or electricity and other thermal energy.

ELECTRIC UTILITY STEAM GENERATING UNIT (EGU) means a fossil fuel-fired combustion unit of more than 25 megawatts electric (MWe) that serves a generator that produces electricity for sale. A fossil fuel-fired unit that cogenerates steam and electricity and supplies more than one-third of its potential electric output capacity and more than 25 MWe output to any utility power distribution system for sale is considered an electric utility steam generating unit.

FOSSIL FUEL means natural gas, oil, coal, and any form of solid, liquid, or gaseous fuel derived from such material.

FOSSIL FUEL-FIRED means an electric utility steam generating unit (EGU) that is capable of producing more than 25 MW of electrical output from the combustion of fossil fuels. To be “capable of combusting” fossil fuels, an EGU would need to have these fuels allowed in its operating permit and have the appropriate fuel handling facilities on-site or otherwise available (e.g., coal handling equipment, including coal storage area, belts and conveyers, pulverizers, etc.; oil storage facilities). In addition, fossil fuel-fired means any EGU that fired fossil fuels for more than 10.0 percent of the average annual heat input during the 3 previous calendar years after the compliance date for your facility in §63.9984 or for more than 15.0 percent of the annual heat input during any one of those calendar years. EGU owners and operators must estimate coal, oil, and natural gas usage for the first 3 calendar years after the applicable compliance date and they are solely responsible for assuring compliance with this final rule or other applicable standard based on their fuel usage projections. After the first 3 years of compliance, EGUs are required to evaluate applicability based on coal or oil usage from the three previous calendars years on an annual rolling basis.

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 makes useful thermal energy (such as heat or steam) for industrial, commercial, heating, or cooling purposes or when no coal, liquid oil, syngas, or solid oil-derived fuel is being fired in the EGU, whichever is earlier. Shutdown ends when the EGU no longer generates electricity or makes useful thermal energy (such as steam or heat) for industrial, commercial, heating, or cooling purposes, and no fuel is being fired in the EGU. Any fraction of an hour in which shutdown occurs constitutes a full hour of shutdown.

STARTUP means:
(1) 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). Any fraction of an hour in which startup occurs constitutes a full hour of startup; or

(2) The period in which operation of an EGU is initiated for any purpose. Startup begins with either the firing of any fuel in an EGU for the purpose of producing electricity or useful thermal energy (such as heat or steam) for industrial, commercial, heating, or cooling purposes (other than the first-ever firing of fuel in a boiler following construction of the boiler) or for any other purpose after a shutdown event. Startup ends 4 hours after the EGU generates electricity that is sold or used for any other purpose (including on site use), or 4 hours after the EGU makes useful thermal energy (such as heat or steam) for industrial, commercial, heating, or cooling purposes (16 U.S.C. 796(18)(A) and 18 CFR 292.202(c)), whichever is earlier. Any fraction of an hour in which startup occurs constitutes a full hour of startup.

UNIT DESIGNED FOR COAL = or > 8,300 BTU/LB SUBCATEGORY means any coal-fired EGU that is not a coal-fired EGU in the “unit designed for low rank virgin coal” subcategory.

UNIT DESIGNED FOR LOW RANK VIRGIN COAL SUBCATEGORY means any coal-fired EGU that is designed to burn and that is burning nonagglomerating virgin coal having a calorific value (moist, mineral matter-free basis) of less than 19,305 kJ/kg (8,300 Btu/lb) that is constructed and operates at or near the mine that produces such coal.

[77 FR 9464, Feb. 16, 2012, as amended at 77 FR 23405, Apr. 19, 2012; 78 FR 24087, Apr. 24, 2013; 79 FR 68792, Nov. 19, 2014; 81 FR 20189, Apr. 6, 2016]

 # 021 [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?

SECTION E. Source Group Restrictions.

(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.

(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) [Omitted. Provision for qualifying LEE for Hg emissions. Homer City is not LEE for Hg.]

(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)

SECTION E. Source Group Restrictions.

(1) [Not Applicable]

(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) 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 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.

SECTION E. Source Group Restrictions.

(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]

 # 022 [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 EMISSION LIMITS, OPERATING LIMITS, OR WORK PRACTICE STANDARDS...
(1) CEMS to measure filterable PM, SO2, HCl, HF, or Hg emissions, or using a sorbent trap monitoring system to measure Hg

YOU DEMONSTRATE CONTINUOUS COMPLIANCE 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.

IF YOU USE ONE OF THE FOLLOWING TO MEET APPLICABLE EMISSION LIMITS, OPERATING LIMITS, OR WORK PRACTICE STANDARDS...
(4) Quarterly performance testing for coal-fired, solid oil derived fired, or liquid oil-fired EGUs to measure compliance with 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

YOU DEMONSTRATE CONTINUOUS COMPLIANCE BY...
Calculating the results of the testing in units of the applicable emissions standard.

IF YOU USE ONE OF THE FOLLOWING TO MEET APPLICABLE EMISSION LIMITS, OPERATING LIMITS, OR WORK PRACTICE STANDARDS...
(5) Conducting periodic performance tune-ups of your EGU(s)

YOU DEMONSTRATE CONTINUOUS COMPLIANCE BY...
Conducting periodic performance tune-ups of your EGU(s), as specified in §63.10021(e).

IF YOU USE ONE OF THE FOLLOWING TO MEET APPLICABLE EMISSION LIMITS, OPERATING LIMITS, OR WORK PRACTICE STANDARDS...
(6) Work practice standards for coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGUs during startup

YOU DEMONSTRATE CONTINUOUS COMPLIANCE BY...
Operating in accordance with Table 3.

SECTION E. Source Group Restrictions.

IF YOU USE ONE OF THE FOLLOWING TO MEET APPLICABLE EMISSION LIMITS, OPERATING LIMITS, OR WORK PRACTICE STANDARDS...
(7) Work practice standards for coal-fired, liquid oil-fired, or solid oil-derived fuel-fired EGUs during shutdown

YOU DEMONSTRATE CONTINUOUS COMPLIANCE BY...
Operating in accordance with Table 3.

[78 FR 24092, Apr. 24, 2013]

[Items (2) & (3) of Table 7 to Subpart UUUUU of Part 63 do not apply.]

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

SECTION E. Source Group Restrictions.

Group Name: BOILERS - NID SYSTEM

Group Description: PA-32-00055H & PA 32-00055I for NID System (SO2 Emission Control)

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)
C10	NID - UNIT 1 (NOVEL INTEGRATED DESULFURIZATION SYSTEM)
C11	NID - UNIT 2 (NOVEL INTEGRATED DESULFURIZATION SYSTEM)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Combined SO2 emissions from Unit 1, Unit 2, and Unit 3 shall not exceed 6,360 lb/hr at any time, except during periods of start-up or NID system module transition.

[PA 32-00055H, Section C, Condition #001]

(b) When a NID system module is operating in transition, combined emissions of SO2 from Units 1, 2 & 3 shall not exceed the alternative limit of 7,300 lbs/hr.

[PA 32-00055I, Section E, Source Group G02, Condition #001. Supersedes the combined 6,360 lbs/hr SO2 limit of Section C Condition #001 of PA-32-00055H as revised December 16, 2013, and expiring April 16, 2016, as an alternative limit for up to 500 hours per 12-month rolling period combined with the Unit 1 & 2 startup alternative emission limits.]

(c) When Unit 1 or Unit 2 is operating in startup, emissions of SO2 shall not exceed the following alternative limits:

(1) 9,000 lbs/hr from the Unit (1 or 2) in startup;

(2) 1,913 lbs/hr from the Unit (1 or 2) not in startup; and

(3) 2,720 lbs/hr from Unit 3.

[PA 32-00055I, Section E, Source Group G02, Condition #002. Supersedes the combined 6,360 lbs/hr SO2 limit of Section C Condition #001 of PA-32-00055H as revised December 16, 2013, and expiring April 16, 2016, as an alternative limit for up to 500 hours per 12-month rolling period combined with the NID system module transition alternative emission limit.]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Emissions of SO2 from Unit 1 & 2 shall not exceed the following:

(1) 0.20 lb/MMBtu from each Unit on a 30-day rolling average (excluding periods of startup or shutdown), and the emission rate demonstrated by air dispersion modeling showing that the Facility will not cause non-compliance with the SO2 NAAQS; and

(2) 5,950 tons from each Unit in a consecutive 12-month period beginning after 1 year of operation of each NID system, and the emission rate demonstrated by air dispersion modeling showing that the Facility will not cause non-compliance with the SO2 NAAQS.

(b) Startup for Unit 1 & 2 is defined as beginning upon firing fuel in a boiler after a shutdown event for any purpose and ending when the flue gas temperature entering the NID system is above the minimum effective operating temperature. Startup duration may not exceed the time necessary to reach the minimum effective operating temperature of the NID system.

SECTION E. Source Group Restrictions.

(c) Shutdown for Unit 1 & 2 is defined as beginning when none 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), or when no fuel is being fired in the boiler, and when the flue gas temperature entering the NID system drops below the minimum effective operating temperature. Shutdown ends when all three conditions are met.

[PA 32-00055H, Section E, Source Group G01, Condition #001. Paragraph (b) is also PA 32-00055I, Section E, Source Group G01, Condition #006.]

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions of PM (filterable + condensable) from Unit 1 & 2 shall not exceed 0.10 lb/MMBtu from each Unit. Compliance with this condition shall be determined by stack testing for filterable PM in accordance with EPA Method 5 or 5B; and for condensable PM by stack testing in accordance with EPA Method 202 or other Department approved methods.

[PA 32-00055H, Section E, Source Group G01, Condition #002]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Emissions of filterable particulate matter from Units 1 & 2 shall not exceed 0.050 lb/MMBtu from each Unit. Compliance with this condition shall be determined by stack testing for filterable particulate matter in accordance with EPA Method 5, 5B, or other Department approved methods.

[PA 32-00055H, Section E, Source Group G01, Condition #003]

Operation Hours Restriction(s).

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Units 1 & 2 individual startups shall not exceed 24 consecutive hours.

[PA 32-00055I, Section E, Source Group G01, Condition #001]

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Startup and NID system module transitions with combined emission rates exceeding 6,360 lbs/hr may not exceed 500 hours in any 12-month rolling period.

[PA 32-00055I, Section E, Source Group G02, Condition #003]

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

No more than one unit (Unit 1, Unit 2 or Unit 3) shall be operated in startup mode simultaneously.

[PA 32-00055H, Section C, Condition #002. Compliance with this condition assures compliance with PA 32-00055I, Section E, Source Group G01, Condition #004.]

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Performance testing shall be conducted as follows:

(1) All relevant operating parameters (e.g boiler steam flow, air flow, gross megawatts, and O2; CEMS heat input and stack flue gas volumetric flow rate; and NID hydrated lime feed flow rate, pressure differential, and temperature) shall be recorded during the duration of the stack tests. Operating data recorded shall be sufficient to establish that the units and the air cleaning devices are operating at maximum routine operating conditions. A discussion of the recorded operating parameters and values shall be included in the test report.

SECTION E. Source Group Restrictions.

(b) For source test submittals, follow the procedure under Source Group SOURCE TEST SUBMITTALS in Section E of this permit.

[Paragraph (a) of this condition is from PA 32-00055H, Modified March 29, 2016, Section E, Source Group G01, Condition #004(c)]

III. MONITORING REQUIREMENTS.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

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

(a) Flue gas temperature at the inlet to the NID system;
(b) Combined pressure differential across the NID system absorbers and fabric filters; and
(c) Hydrated lime injection rate.

[PA 32-00055H, Section E, Source Group G01, Condition #006]

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall monitor and record NID system operating parameters to determine when minimum effective operating temperature and flow rates have been reached.

[PA 32-00055I, Section E, Source Group G01, Condition #002]

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall monitor and record each hour during which Unit 1 or Unit 2 is operating in startup or has experienced a NID system module transition.

[PA 32-00055I, Section E, Source Group G01, Condition #003]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All air contamination sources and air cleaning devices authorized under this Plan Approval shall be operated according to the manufacturer's specifications and maintained according to the manufacturer's recommended maintenance schedule.

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall achieve minimum effective operating temperatures and flow rates as expeditiously as possible consistent with good air pollution control practices when starting up Unit 1 or Unit 2 or transitioning between NID system modules.

[PA 32-00055I, Section E, Source Group G01, Condition #005]

VII. ADDITIONAL REQUIREMENTS.

 # 014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

NID system module transition is defined as beginning upon opening a previously closed NID system module or closing a previously opened NID system module to flue gas flow from Unit 1 or Unit 2. The initial opening of NID system modules upon startup of Unit 1 or Unit 2 is excluded from this definition. Individual NID system module transition duration may not

SECTION E. Source Group Restrictions.

exceed 1 hour per transition.

[PA 32-00055I, Section E, Source Group G01, Condition #007]

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Startup and NID system module transition alternative SO2 emission limits may only be applied to individual block hours occurring during a Unit 1 or Unit 2 startup or NID system module transition.

[PA 32-00055I, Section E, Source Group G02, Condition #004]

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

SECTION E. Source Group Restrictions.

Group Name: BOILERS - NOX CEMS

Group Description: NOx CEMS requirements

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)

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 § 52.2020, and 25 Pa. Code §§ 139.4, & 139.101]

(a) CONTINUOUS EMISSION MONITORING REQUIREMENTS

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.

[The tables below are based on RACT II Case-by-Case NOx limitations for the three boilers. See Section E, Source Group BOILERS - RACT II CASE-BY-CASE, Condition #001. For calculation/averaging, see Section E, Source Group BOILERS - RACT II CASE-BY-CASE, Conditions #001 and #002.]

(1) For Sources: Boilers 1 and 2 (Source IDs 031 and 032)

POLLUTANT	MEASUREMENT	AVERAGING PERIOD	STANDARD	BASIS
NOx	lb/MMBtu	Calendar Day	0.080 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	0.45 lb/MMBtu	Continuously under all operating conditions
NOx	lb/hr	30-operating day	600 lb/hr	Continuously under all operating conditions

SECTION E. Source Group Restrictions.

(2) For Source: Boiler 3 (Source ID 033)

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	560 lb/hr	Continuously under all operating conditions

(b) DATA AVAILABILITY STANDARDS

The continuous emission monitoring systems (CEMS) for NOx are required by 25 Pa. Code §139.101(12) to meet at least one of the following minimum data availability requirements unless other data availability requirements are stipulated elsewhere:

(1) 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).

(2) 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).

[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 § 52.2020, and 25 Pa. Code §§ 139.101(5) and 139.101(12).]

(a) The owner/operator 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.

(b) Records shall be retained for at least 5 years and shall be made available to the Department upon request.

[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.

[Additional authority for this permit condition is derived from, 40 CFR Part 75, 40 CFR § 52.2020, and 25 Pa. Code §§ 139.101(1)(iv)4, 139.101(10) & 139.101(12)]

REPORTING REQUIREMENTS

(a) The owner/operator 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.

(b) The owner/operator shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.

(c) 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.

(d) Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

(e) 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.

[Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.]

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [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 § 52.2020, and 25 Pa. Code §§ 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)]

QUALITY ASSURANCE REQUIREMENTS

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.

[Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.]

VII. ADDITIONAL REQUIREMENTS.

 # 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]

TESTING REQUIREMENTS

The owner/operator 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.

SECTION E. Source Group Restrictions.

[Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.]

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

SECTION E. Source Group Restrictions.

Group Name: BOILERS - RACT II CASE-BY-CASE

Group Description: RACT II Case-By-Case (replaces those from PA 32-00055J)

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

(a) DAILY EMISSION NOx LIMITS.

Emissions of NOx expressed as NO2 for Boilers No. 1 and 2 (Units 1 and 2) are individually limited to a maximum of 0.080 lb NOx/MMBtu while Boiler No. 3 (Unit 3) is limited to a maximum of 0.070 lb NOx/MMBtu on a daily average basis. These limits exclude, 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.

(1) For the 0.080 and 0.070 lb/MMBtu limits: 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.

(2) DEFINITIONS.

(A) 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.

(B) 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.

(C) 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 (b), below.

(b) DAILY EMISSION NOx LIMITS - ALL OPERATING CONDITIONS.

(1) Emissions of NOx expressed as NO2 from Units 1 and 2 are individually limited to a maximum of 0.45 lb NOx/MMBtu on a daily average basis under all operating conditions.

(2) Emissions of NOx expressed as NO2 from Unit 3 are limited to a maximum of 0.27 lb NOx/MMBtu on a daily average basis under all operating conditions.

(3) For the 0.45 and 0.27 lb/MMBtu: 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.

(c) 30-OPERATING DAY NOx LIMITS - ALL OPERATING CONDITIONS.

(1) Emissions of NOx expressed as NO2 from Units 1 and 2 are individually limited to a maximum 600 lbs NOx/hr on a 30-operating day rolling average basis under all operating conditions.

(2) Emissions of NOx expressed as NO2 from Unit 3 are limited to a maximum 560 lbs NOx/hr on a 30-operating day rolling average basis under all operating conditions.

SECTION E. Source Group Restrictions.

(3) For the 600 and 560 lb/hr limits: An operating day is defined as a day during which the facility was operated for any hour.

[Compliance with these emission limits will be demonstrated through use of CEMS.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

To demonstrate compliance with the RACT II NOx limitations in Condition #001, the owner/operator shall monitor and test in accordance with the requirements of Chapter 139, Subchapter C (see Section E, Source Group BOILERS - NOX CEMS).

(a) A daily average emission rate, in lb/MMBtu, will be calculated as per definition of DAILY AVERAGE in Condition #001 of this source group.

(1) For the 0.080 and 0.070 lb/MMBtu limits, a calendar day is a day with at least one full operating hour.

(2) For the 0.45 and 0.27 lb/MMBtu limits, a calendar day is a day with at least one full operating hour.

(b) (For the 600 and 560 lb/hr limits) For 30-operating day rolling average emission rates in lb/hr:

(1) An operating day is defined as a day during which the facility was operated for any hour.

(2) A 30-operating day rolling average emission rate for each affected source will be calculated in accordance with the following procedure:

(A) Sum the total pounds of pollutant emitted from the combustion unit for the current operating day and the previous 29 operating days.

(B) Sum the total hours of operation for the current operating day and the previous 29 operating days.

(C) Divide the total number of pounds of pollutant emitted by the combustion unit for the 30 operating days by the total hours of operation for the 30 operating days.

(3) A 30-operating day rolling average emission rate shall be calculated for each boiler for each operating day.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this condition is derived from 25 Pa. Code § 129.100(d).]

The owner/operator shall monitor the following for Boiler 1, 2 & 3 (Sources 031, 032 & 033):

(a) The SCR inlet and outlet temperatures, 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 §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Additional authority for this condition is derived from 25 Pa. Code § 129.100(d).]

SECTION E. Source Group Restrictions.

The owner/operator shall keep records of the following for Sources 031, 032, and 033 (Boiler No. 1, 2, & 3) to demonstrate compliance with 25 Pa. Code §§ 129.99 in the following manner:

(a) The SCR inlet and outlet temperatures 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.

(d) 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.

(a) - (c) [Not Applicable]

(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:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of 25 PA Code 129.96 – 129.99 are met.

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

(e) - (h) [Not Applicable]

(i) The 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.

V. REPORTING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa. Code § 127.511]

(a) The permittee shall report monthly the following:

(1) Records of the following parameters for each unit on an hourly basis:

(A) Load levels.

(B) Heat inputs.

(C) Ammonia injection rates.

(D) NOx rates.

(E) Total NOx emissions.

(F) SCR emission setpoint.

(2) For each unit, clearly indicate any days which exceeded the 0.080 lb/MMBtu NOx limit for Units 1 and 2 or the 0.070 lb/MMBtu NOx limit for Unit 3. For days with exceedance for any reason, records reported shall include the following:

SECTION E. Source Group Restrictions.

(A) All information under paragraph (a)(1) above shall be provided on an hourly basis.

(B) Hourly SCR inlet & outlet temperatures. Should the permittee 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:

(i) The facility may report either the inlet or outlet temperature to the Department. Should the facility choose this option, the permittee shall provide the Department the following:

(a) An equation to calculate the missing temperature.

(b) All factors used in the equation on an hourly basis and during all times the equation is in use.

(ii) Any malfunction in the data acquisition equipment must be fixed during the next scheduled major outage.

(C) Detailed explanation for the exceedance of the emission limit (i.e., 0.080 lb/MMBtu NOx limit for Units 1 and 2, 0.070 lb/MMBtu NOx limit for Unit 3). 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.

(D) Clearly document how the permittee determines whether or not they believe the days with exceedance/s are subject the 0.080 lb/MMBtu NOx limit for Units 1 and 2 or the 0.070 lb/MMBtu NOx limit for Unit 3. If the Department finds that additional hours qualify for the 0.080 lb/MMBtu NOx limit for Units 1 and 2 or the 0.070 lb/MMBtu NOx limit for Unit 3 and this caused emission levels over the limit, this will be considered a violation.

(b) The monthly report shall be submitted within 30 days after the end of each month. The Department reserves the right to request additional ammonia injection, temperature or other data.

(c) All of these reports shall be retained for at least five (5) years from the date of the report.

[State-Only Requirement. For purposes of this reporting, the Department will accept data on 60-min to 75-min basis as hourly data.]

 # 007 [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 schedule for cleaning the economizer and air preheater and any other periodic and/or major maintenance items taking place during the year.

(1) 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.

(2) The Department reserves the right to modify the maintenance plan provided by Homer City Generating Station.

(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. The submittal date for the annual report shall be no later than January 30th for the previous calendar year. The annual report may be included with the semi-annual monitoring report or annual compliance certification.

[Authority for this condition is also derived from 25 Pa. Code § 127.441.]

 # 008 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

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.

SECTION E. Source Group Restrictions.

VI. WORK PRACTICE REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) OPERATOR'S TRAINING. All operators of Boilers No. 1, 2, and 3 (Units 1, 2, and 3), SCR, and Low NOx Burners (LNB) shall be trained in the operation of the unit(s) they are assigned to operate by qualified personnel. All maintenance workers of Boilers No. 1, 2, and 3, SCR, and LNB shall be trained in the maintenance of the units by qualified personnel.

(b) SELECTIVE CATALYTIC REDUCTION (SCR) NOx EMISSION RATE SETPOINT.

(1) Units 1 and 2

(A) Within 3 months of the effective date of this permit, the faciity shall set the SCR for Units 1 and 2 at a target NOx emission rate setpoint of 0.07 lb NOx per MMBtu or less.

(B) After operating the SCR with an outlet NOx emission rate setpoint of 0.07 lb per MMBtu, or less, for Units 1 and 2 for 12 consecutive months, the facility shall submit an engineering study within 180 days that analyzes the overall environmental performance of the system at that setpoint.

(2) Unit 3

(A) Within 3 months of the effective date of this permit, the facility shall set the SCR for Unit 3 at a target NOx emission rate setpoint of 0.06 lb NOx per MMBtu or less.

(B) After operating the SCR with an outlet NOx emission rate setpoint of 0.06 lb per MMBtu, or less, for Unit 3 for 12 consecutive months, the facility shall submit an engineering study within 180 days that analyzes the overall environmental performance of the system at that setpoint.

[State-Only Requirements]

 # 010 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

(a) The owner or operator shall calibrate, operate, and maintain all elements of the Selective Catalytic Reduction (SCR) system and boilers (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.

(b) The owner or operator shall operate and maintain the Low NOx Burners (LNBs) in accordance with the manufacturer's specifications and in a manner consistent with good engineering and air pollution control practices.

(c) NOx CONTROLS DURING STARTUPS, SHUTDOWNS, AND MALFUNCTIONS.

(1) The owner or operator shall maintain NOx controls as effectively as reasonably possible during startups and shutdowns.

(2) 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.

(d) OPERATION AND MAINTENANCE (O&M) PLANS.

(1) The owner or operator shall develop, maintain and implement an operation and maintenance plan (O&M Plan) for Units 1, 2, and 3 and the SCR within 30 days of permit issuance. 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 Units 1, 2, and 3 and associated SCR systems 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

SECTION E. Source Group Restrictions.

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.

(2) The owner or operator shall develop, maintain and implement an operation and maintenance plan (O&M Plan) for the Units 1, 2, and 3 and the LNBs within 30 days of permit issuance. 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 Units 1, 2, and 3 and the LNBs 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.

(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.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

STUDY ON FLUE GAS HEATING/PRE-HEATING. 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, Homer City Generating Station will work with the Department to determine a deadline for the installation of this technology as part of the plan approval process.

[State-Only Requirements]

 # 012 [25 Pa. Code §129.99]

Alternative RACT proposal and petition for alternative compliance schedule.

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.

[25 Pa. Code § 129.99(g)]

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

SECTION E. Source Group Restrictions.

Group Name: BOILERS 1&2 - ACTIVATED CARBON INJECTION

Group Description: PA-32-00055G for Activated Carbon Injection (Mercury Emission Control)

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
104	MISCELLANEOUS PLANT FUGITIVES
109	ACTIVATED CARBON STORAGE & HANDLING SYSTEM
C01	ESP UNIT 1
C02	ESP UNIT 2
C04	SCR - UNIT 1 (SELECTIVE CATALYTIC REDUCTION)
C05	SCR - UNIT 2 (SELECTIVE CATALYTIC REDUCTION)
C08	ACI - UNIT 1 (ACTIVATED CARBON INJECTION)
C09	ACI - UNIT 2 (ACTIVATED CARBON INJECTION)
C109	DUST COLLECTORS - SOURCE 109

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[For Source 109]

Visible emissions from each activated carbon storage silo shall not exceed the following limitations:

(a) Equal to or greater than 10% for a period or periods aggregating more than three minutes in any one hour.

(b) Equal to or greater than 30% at any time.

[PA 32-00055G, Section D, Source 109, Condition #001]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[For Sources 031 and 032]

The Owner/Operator is not required to operate the ACI systems at any given time.

[PA 32-00055G, Section E, Source Group SG01, 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.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall perform a daily inspection for the presence of visible stack emissions, fugitive emissions, and malodorous emissions from the emission sources covered by this plan approval. This requirement does not apply for any day in which no activated carbon is delivered or consumed. Records of the inspections shall be maintained in a log and include any corrective actions taken.

[PA 32-00055G, Section C, Condition #003]

SECTION E. Source Group Restrictions.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[For Source 109]

The Owner/Operator shall install a device to continuously monitor the pressure drop across the bin vent filters. The bin vent filters shall be operated according to manufacturer's specifications including any limitations on pressure drop. Records of pressure drop shall be taken. This condition does not apply for any week in which activated carbon is not delivered to the storage silos.

[PA 32-00055G, Section D, Source 109, Condition #002]

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator will monitor the emissions from the silo vent when the silo is being loaded during daylight hours to determine the presence of visible fugitive emissions. If visible fugitive emissions are detected, the owner/operator will take corrective action. A log will be maintained of all fugitive emissions observations and of each corrective action.

[Compliance with this condition assures & demonstrates compliance with PA 32-00055G's 10% & 30% opacity limits.]

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All logs and required records shall be maintained on site for a minimum of five years and shall be made available to the Department upon request.

[PA 32-00055G, Section C, Condition #005]

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall maintain records of the following information:

(a) Tons of sorbent delivered to the Facility each month
(b) The maintenance schedule for, and all maintenance activities performed on, each bin vent collector.

[PA 32-00055G, Section C, Condition #004, Paragraphs (a) & (e).]

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.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All air contamination sources and controls authorized under PA-32-00055G shall be operated and maintained according to manufacturer's specifications.

[PA 32-00055G, Section C, Condition #006]

VII. ADDITIONAL REQUIREMENTS.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Air contamination sources authorized to be installed at the Facility under PA-32-00055G are as follows:
(1) Two (2) Alstom Powdered Activated Carbon Storage Silos, 200,000 lb capacity each.
(2) Twenty (20) Alstom Powdered Activated Carbon Surge Hoppers, 25 ft3 capacity each.
(3) Truck Traffic on Paved Roadways for Powdered Activated Carbon Delivery.

SECTION E. Source Group Restrictions.

(b) Air pollution prevention equipment authorized to be installed at the Facility under PA-32-00055G are as follows:
(1) Two (2) Alstom Powdered Activated Carbon Injection Systems, injecting at 3 lb/MMacf of exhaust gas.
(2) Two (2) Torit Ultra-Web Bin Vent Filters (or equivalent), rated at 0.004 gr/dscf.

[PA 32-00055G, Section C, Conditions #008 & #009]

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

SECTION E. Source Group Restrictions.

Group Name: BOILERS 1&2 - CAM FOR NIDS, PM

Group Description: NIDS CAM Requirements for Units 1 and 2

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[Authority for this condition is also derived from 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). Establishment of this CAM plan is pursuant to PA 32-00055H, Section C, Condition #013.]

[The fabric filter compartment pressure differential is used as the primary performance indicator to demonstrate continuous compliance with PM emission limits established through PA 32-00055H. Pressure differential across each fabric filter compartment is monitored continuously and maintained within a specified range to ensure continuous compliance with the PM emission limits. Excursions by themselves, however, do not necessarily indicate an exceedance of the PM emission limits.]

PERFORMANCE INDICATOR 1 - FABRIC FILTER COMPARTMENT PRESSURE DIFFERENTIAL

I. Indicator - Fabric Filter Pressure Differential

(a) Measurement Approach - Pressure differential is monitored continuously across each NIDS fabric filter compartment and readings are recorded in the plant's DCS (Distributed Control System).

II. Indicator Range - Pressure differential across each fabric filter will be maintained between 0.4 to 10 inches water column (inches wc).

III. Performance Criteria - Devices used to measure pressure differential are maintained and calibrated in accordance with manufacturer's specifications.

(a) Data Representativeness: Pressure differential data will be collected continuously.

(b) Verification of Operational Status: Pressure differential data are continuous monitored and recorded, excluding maintenance periods and malfunctions that are corrected within two hours each day.

(c) QA/QC Practices/Criteria:

(1) QA/QC procedures are consistent with good air pollution control practices.

(2) To assure that the pressure drop indicators are providing accurate data consistently, the permittee shall calibrate and check the accuracy of the pressure drop indicators on a semi-annual basis in accordance with the manufacturer's specifications and suggested time intervals for routine maintenance.

(d) Monitoring Frequency: Pressure differential is measured on a continuous basis.

(e) Data Collection Procedures: Pressure differential data are collected and archived for at least five (5) years.

SECTION E. Source Group Restrictions.

(f) Averaging Period: Pressure differential is monitored continuously.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[The following are CAM-related requirements. Additional authority for this permit condition is also derived from § 40 CFR 64.9, for paragraphs (a) to (d) and from § 40 CFR 70.6(a)(3)(ii)(B) for paragraph (e).]

(a) The permittee shall record the continuous pressure differential readings across the fabric filter compartments in the plant's DCS (Distributed Control System).

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective actions have been taken.

(c) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). The permittee shall also record the dates, times and durations, possible causes and corrective actions taken for the incidents.

(e) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[The following are CAM-related requirements. Additional authority for this permit condition is also derived from 40 CFR § 64.9 & § 70.6(a)(3)(iii)(A)]

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

(2) The permittee shall report all monitoring downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable), their dates, times and durations, possible causes and corrective actions taken, every six (6) months.

VI. WORK PRACTICE REQUIREMENTS.

 # 004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[This is a CAM-related requirement.]

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

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

[The following are CAM-related requirements.]

(a) For purposes of CAM, an excursion is any occasion where the pressure drop across the fabric filter compartment is outside the range of 0.4 to 10 inches water column (wc). However, consistent with § 40 CFR 64.7(c), excursions that result

SECTION E. Source Group Restrictions.

from monitor malfunctions, associated repairs, and required quality assurance or control activities will not to be included in the determination of the number of excursions. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data.

(b) If the permittee experiences six (6) or more pressure drop excursions during any six (6) consecutive months, it will prepare a Quality Improvement Plan (QIP). The QIP shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the plan shall be modified to include procedures for conducting one or more of the following actions, as appropriate:

(1) Improved preventive maintenance practices.

(2) Process operation changes.

(3) Appropriate improvements to control methods.

(4) Other steps appropriate to correct control performance.

(5) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (1) through (4) above).

(c) If a QIP is required, the permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(d) Following implementation of a QIP, upon any subsequent determination pursuant to § 64.7(d)(2), the Department may require that the permittee make reasonable changes to the QIP if the QIP is found to have:

(1) Failed to address the cause of the control device performance problems; or

(2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

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

[Paragraphs (b), (c), (d), & (e) of this condition are § 40 CFR 64.8(b)(2), (c), (d), & (e), respectively.]

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

SECTION E. Source Group Restrictions.

Group Name: DIESEL ENGINES

Group Description: RACT I & General Permit Conditions for Diesel Engines

Sources included in this group

ID	Name
111	EMERGENCY DIESEL GENERATOR (855 BHP)
112	DIESEL FIRE PUMP (330 BHP)
113	EMERGENCY DIESEL GENERATOR (800 BHP)

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

 # 002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as 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.

[Additional authority for this condition is derived from 25 Pa. Code § 129.93.]

These units shall be operated less than 500 hours in any consecutive 12 month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

(a) The permittee shall keep records of the data and calculations used to verify compliance with the particulate matter and sulfur oxides (SOx) emissions limitations.

(b) The permittee shall keep records of the tests conducted or certification reports used to verify the sulfur content (percent by weight) of the fuel oil.

(c) The permittee shall keep records of the engine's hours of operation taken from the non-resettable hour meter and 12-consecutive month hours of operation on a monthly basis to very compliance with the operational limitation.

(d) These records shall be retained for a minimum of five years and shall be made available to the Department upon request.

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).

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: FUEL OIL - COMBUSTION UNITS

Group Description: Sources burning #2 Fuel Oil (25 Pa. Code § 123.22)

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)
037	B & W AUXILIARY BOILER

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.22]

Combustion units

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

(1) General provision. A person may not permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over a 1-hour period, except as provided in paragraph (4).

(2) [See I. Restrictions, Fuel Restrictions for this source]

(3) [Not Applicable]

(4) [For Sources 031, 032, & 033, see Source Group BOILERS - GEN REQTS in Section E of this operating permit. For Source 037, not applicable.]

(b) - (e) [Not Applicable]

(f) [See VI. Additional Requirements for this source. Added for informational purposes only.]

(g) [See IV. Recordkeeping Requirements for this source]

(h) [See V. Reporting Requirements for this source]

Fuel Restriction(s).

 # 002 [25 Pa. Code §123.22]

Combustion units

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

(2) COMMERCIAL FUEL OIL.

(i) Except as specified in subparagraphs (ii) and (iii), a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in nonair basin areas if the commercial fuel oil contains sulfur in excess of the applicable maximum allowable sulfur content set forth in the following tables:

MAXIMUM ALLOWABLE SULFUR CONTENT expressed as Parts per Million (ppm) by Weight or Percentage by Weight

No. 2 and lighter oil:

(A) Through August 31, 2020 - 500 ppm (0.05%)

(B) Beginning September 1, 2020 - 15 ppm (0.0015%)

(ii) Commercial fuel oil that was stored in this Commonwealth by the ultimate consumer prior to September 1, 2020, which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020, in

SECTION E. Source Group Restrictions.

subparagraph (i) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

(iii) The Department may temporarily suspend or increase the applicable maximum allowable sulfur content for a commercial fuel oil set forth in subparagraph (i) if the following occur:

(A) The Department receives a written request at the address specified in subsection (h) for a suspension or increase on the basis that compliant commercial fuel oil is not reasonably available in a nonair basin area. The request must include the following:

(I) The nonair basin county or counties for which the suspension or increase is requested.

(II) The reason compliant commercial fuel oil is not reasonably available.

(III) The duration of time for which the suspension or increase is requested and the justification for the requested duration.

(B) The Department determines that an insufficient quantity of compliant commercial fuel oil is reasonably available in the nonair basin area and that the circumstances leading to the insufficiency are due to events that could not have been reasonably foreseen or prevented and are not due to lack of prudent planning on the part of the transferor of the commercial fuel oil into or within the specified nonair basin area.

(C) The Department approves the request, in writing, prior to the transferor distributing the noncompliant commercial fuel oil into or within the specified nonair basin area.

(iv) The Department will limit a suspension or increase in the applicable maximum allowable sulfur content granted under subparagraph (iii) to the shortest duration in which adequate supplies of compliant commercial fuel oil can be made reasonably available, but in no case longer than 60 days from the date the Department grants the suspension or increase.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 003 [25 Pa. Code §123.22]

Combustion units

(g) Recordkeeping and reporting.

(1) Beginning with the refinery owner or operator who sells or transfers commercial fuel oil into or within this Commonwealth for use in this Commonwealth and ending with the ultimate consumer, each time the physical custody of, or title to, a shipment of commercial fuel oil changes hands, the transferor shall provide to the transferee an electronic or paper record described in this paragraph. This record must legibly and conspicuously contain the following information:

(i) The date of the sale or transfer.

(ii) The name and address of the transferor.

(iii) The name and address of the transferee.

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

SECTION E. Source Group Restrictions.

(v) The identification of the sulfur content of the shipment of commercial fuel oil, determined using the sampling and testing methods specified in subsection (f)(1), expressed as one of the following statements:

(A) For a shipment of No. 2 and lighter commercial fuel oil:

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

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

(B) - (C) [Not Applicable]

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

(vii) Except for a transfer to a truck carrier, an owner or operator of a retail outlet or an ultimate consumer, the transferor may substitute the information required under subparagraphs (i)—(vi) with the use of a product code if the following are met:

(A) The product code includes the information required under subparagraphs (i)—(vi).

(B) The product code is standardized throughout the distribution system in which it is used.

(C) Each downstream party is given sufficient information to know the full meaning of the product code.

(2) - (3) [Not Applicable]

(4) A person subject to this section shall do both of the following:

(i) Maintain the applicable records required under paragraphs (1)—(3) in electronic or paper format for 2 years unless a longer period is required under § 127.511(b)(2) (relating to monitoring and related recordkeeping and reporting requirements).

(ii) Provide an electronic or written copy of the applicable record to the Department upon request.

(5) The ultimate consumer shall maintain in electronic or paper format the record containing the information listed in paragraph (1), except in either of the following situations:

(i) - (ii) [Not Applicable]

V. REPORTING REQUIREMENTS.

 # 004 [25 Pa. Code §123.22]

Combustion units

(h) Written request. The written request for suspension of or increase in the sulfur content limit on the basis that compliant commercial fuel oil is not reasonably available shall be addressed to the Department of Environmental Protection, Bureau of Air Quality, Chief of the Division of Compliance and Enforcement, P.O. Box 8468, Harrisburg, Pennsylvania 17105-8468.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

 # 005 [25 Pa. Code §123.22]

Combustion units

[As an ultimate consumer, the permittee is not subject to testing requirements pursuant to § 123.22(f). Cited in § 123.22(g)(1)(v), § 123.22(f) is incorporated into the permit for informational purposes only.]

(f) Sampling and testing.

SECTION E. Source Group Restrictions.

(1) For the purpose of determining compliance with the requirements of this section, the actual sulfur content of commercial fuel oil shall be determined by one of the following:

(i) In accordance with the sample collection, test methods and procedures specified under § 139.16 (relating to sulfur in fuel oil).

(ii) Other methods developed or approved by the Department or the Administrator of the EPA, or both.

(2) - (3) [Not Applicable]

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

SECTION E. Source Group Restrictions.

Group Name: PA 32-00055H - COMMON REQTS

Group Description: PA 32-00055H. Section C. Site Level. Common requirements for Sources 031, 032, & 110.

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)
110	LIME & BYPRODUCT STORAGE & HANDLING SYSTEMS
C01	ESP UNIT 1
C02	ESP UNIT 2
C04	SCR - UNIT 1 (SELECTIVE CATALYTIC REDUCTION)
C05	SCR - UNIT 2 (SELECTIVE CATALYTIC REDUCTION)
C08	ACI - UNIT 1 (ACTIVATED CARBON INJECTION)
C09	ACI - UNIT 2 (ACTIVATED CARBON INJECTION)
C10	NID - UNIT 1 (NOVEL INTEGRATED DESULFURIZATION SYSTEM)
C109	DUST COLLECTORS - SOURCE 109
C11	NID - UNIT 2 (NOVEL INTEGRATED DESULFURIZATION SYSTEM)

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 §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall maintain on site the following comprehensive and accurate records for the air contamination sources and air cleaning devices authorized under this Plan Approval:

(a) Amount of lime delivered to the Facility per month by rail, by truck, and in total.
(b) Amount of lime used in Unit 1 & 2 each month.
(c) Amount of byproduct disposal per month.
(d) Results of visible stack, fugitive, and malodor emission inspections.
(e) The manufacturer's recommended maintenance schedule for, and all maintenance activities performed on, the NID systems.
(f) The manufacturer's recommended maintenance schedule for, and all maintenance activities performed on, each bin vent collector.

[PA 32-00055H, Section C, Condition #003]

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All logs and required records pursuant to PA 32-00055H shall be maintained on site for a minimum of five years and shall be made available to the Department upon request.

[PA 32-00055H, Section C, Condition #004]

SECTION E. Source Group Restrictions.

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator of each stationary source emitting greenhouse gases (GHG) in the form of CO2 equivalent (CO2e), and GHG on a mass-basis shall add actual emissions of GHG in the form of CO2e and GHG on a mass basis to the calendar year source report currently required under TV-32-00055. A description of the method used to calculate the emissions and the time period over which the calculation is based shall be included. The statement shall also contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

[PA 32-00055H, Section C, Condition #005]

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Malfunction reporting shall be conducted as follows:

(a) The Owner/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 purposes of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or a process to operate in a normal or usual manner that may result in an increase in the emission of air contaminants.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or to the environment, the notification shall be submitted to the Department no later than one hour after the incident. The report shall describe the:

(i) Name and location of the facility;
(ii) Nature and cause of the malfunction;
(iii) Time when the malfunction or breakdown was first observed;
(iv) Expected duration of increased emissions; and
(v) Estimated rate of emissions.

(c) The Owner/Operator shall notify the Department immediately when corrective measures have been accomplished.

(d) Subsequent to the malfunction, the owner or operator shall submit a full report on the malfunction to the Department within 15 days, if requested.

(e) The owner or 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.

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

Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

[PA 32-00055H, Section C, Condition #006]

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Owner/Operator shall develop an operation and maintenance (O&M) plan for the NID systems. The O&M plan will be maintained onsite and made available for the Department's inspection.

[PA 32-00055H, Section C, Condition #007]

SECTION E. Source Group Restrictions.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All air contamination sources and air cleaning devices authorized under this plan approval shall be operated according to the developed operating procedures and maintained according to the developed maintenance schedule.

[PA 32-00055H, Section C, Condition #008]

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: SOURCE TEST SUBMITTALS

Group Description: Conditions for all source test submittals (Source Testing Section, August 17, 2018)

Sources included in this group

ID	Name
031	BOILER NO.1 (UNIT 1)
032	BOILER NO.2 (UNIT 2)
033	BOILER NO.3 (UNIT 3)
037	B & W AUXILIARY BOILER

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 §127.441]

Operating permit terms and conditions.

Source test submittals shall be as follows:

(1) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (7) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(2) At least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Department in accordance with paragraph (7)(B) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department (Source Testing Section).

(3) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.

(4) A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

(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.

(D) Statement of compliance or non-compliance with each applicable permit condition.

(5) All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(6) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(7)

(A) For all submittals pertaining to emissions testing (test protocols, complete test reports, supplemental testing information, etc.), one electronic copy of all source test submissions shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager. Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

SECTION E. Source Group Restrictions.

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(B) The 15-day pre-test notifications shall be submitted electronically to both the Protocol Review and the Northwest Regional Office Air Quality Inspector.

(a) For the Protocol Review at Central Office Division of Source Testing, send copy at the e-mail address provided by the Protocol Reviewer.

(b) For the Northwest Regional Office Air Quality Inspector, submit electronically through DEP's OnBase Electronic Forms Upload Tool available through https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx. The notification will then be forwarded to the Air Quality Inspector.

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 F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable limits are listed in the Restrictions section in Section D (i.e., for each source) and in Section E (i.e., for sources included in the source group). The emission limitations contained in Section G of this permit are also for informational purposes only and are not to be considered enforceable limits.

(a.1) Capacity/Throughput numbers include heat input ratings, gallon/hr capacities, & etc.

(a.2) Process flow diagrams (i.e., permit maps) are for informational purposes only.

(b) Source Description/Infomation

(b.1) Source 104 - The following sources are designated as 'Miscellaneous Plant Fugitives'.

F01 - Plant Haul Roads
F02 - Coal Handling Units 1 and 2
F03 - Coal Handling Unit 3
F04 - Ash Handling/Disposal
F05 - Coal Cleaning/Disposal
F06 - Cooling Towers

(b.2) The following have been identified as insignificant sources/activities at this facility:

No. 2 Oil Storage Tanks
Gasoline Storage Tanks
Cold Cleaning Solvent Degreasers (6)
Coal Cleaning Plant Frothier Tanks
Diesel Storage Tanks
Kerosene Storage Tanks
Used Oil Storage Tank

(c) Alternate Responsible Official - Starting with the 2020/2021 renewal permit, Mr. Gary Cline will serve as both the Permit Contact and Alternate Responsible Official.

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