



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: April 23, 2025

Effective Date: April 23, 2025

Expiration Date: April 22, 2030

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: 47-00001**

Federal Tax Id - Plant Code: 23-3022599-18

**Owner Information**

Name: MONTOUR LLC  
Mailing Address: PO BOX 128  
WASHINGTONVILLE, PA 17884-0128

**Plant Information**

Plant: MONTOUR LLC/MONTOUR SES  
Location: 47 Montour County 47904 Derry Township  
SIC Code: 4911 Trans. & Utilities - Electric Services

**Responsible Official**

Name: CHRISTOPHER J RINALDI  
Title: PLANT MANAGER  
Phone: (570) 437 - 1244 Email: christopher.rinaldi@talenenergy.com

**Permit Contact Person**

Name: KATHLEEN A POTTER  
Title: PRINCIPAL ENV PROF  
Phone: (610) 601 - 0305 Email: kathleen.potter@talenenergy.com

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



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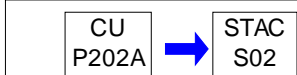
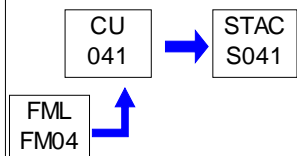
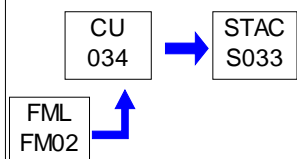
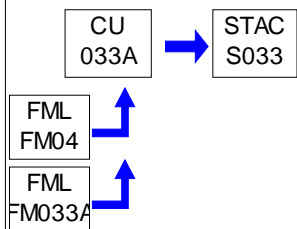
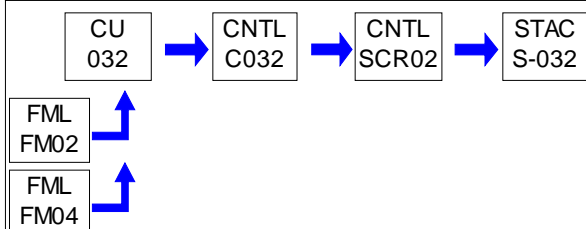
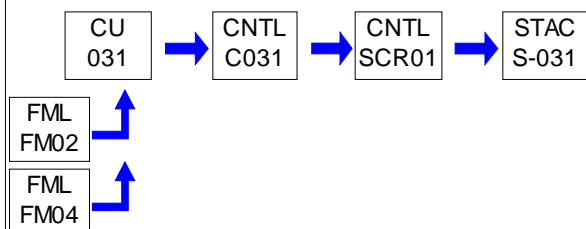
### Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	CE BOILER - UNIT 1	7,317.000	MMBTU/HR	
		7.170	MMCF/HR	Natural Gas
		8,930.000	Gal/HR	#2 Oil
032	CE BOILER - UNIT 2	7,239.000	MMBTU/HR	
		7.100	MMCF/HR	Natural Gas
		8,930.000	Gal/HR	#2 Oil
033A	AUXILIARY BOILER 11A	249.900	MMBTU/HR	
		0.245	MMCF/HR	Natural Gas
		1,800.000	Gal/HR	#2 OIL (0.0015% SULFUR)
034	AUX CE BOILER 2 (UNIT 11B)	269.000	MMBTU/HR	
		1,910.000	Gal/HR	#2 Oil
041	THREE FUEL GAS HEATERS			
P201A	EMERGENCY GENERATOR 1A D398	5.800	MMBTU/HR	
		44.900	Gal/HR	#2 Oil
P202A	EMERGENCY GENERATOR 1B D398	5.800	MMBTU/HR	
		44.900	Gal/HR	#2 Oil
P203	EMERGENCY GENERATOR 2 D343	2.400	MMBTU/HR	
		18.500	Gal/HR	#2 Oil
P101	TWO #2 FUEL OIL STORAGE TANKS			
P106	COAL STORAGE PILE			
P301	TWO (2) DIESEL-FIRED ENGINE-PUMPS			
P302	EMERGENCY SERVICE WATER PUMP 1A			
P401	NATURAL GAS PIPELINE AND ANCILLARY EQUIPMENT			
P402	267 BHP CAT DG175 GC GAS CONDITIONING YARD EMER GEN			
C031	ABB LNCFS LEVEL III LOW NOX BURNERS			
C032	ABB LNCFS LEVEL III LOW NOX BURNERS			
SCR01	UNIT 1 SCR			
SCR02	UNIT 2 SCR			
FM02	#2 OIL STORAGE TANK			
FM033A	NO. 2 OIL (0.0015% SULFUR) SUPPLY FOR 033A			
FM04	NATURAL GAS PIPELINE			
FM301	NO. 2 OIL/DIESEL FUEL SUPPLY			
S-031	UNIT 1 NEW STACK			
S-032	UNIT 2 NEW STACK			
S01	EMER DIESEL GEN 1A STACK			
S02	EMER DIESEL GEN 1B STACK			
S03	EMER DIESEL GEN 2 STACK			
S033	AUX BOILERS COMMON STACK			
S041	FUEL GAS HEATERS STACKS			
S101	OIL TANK VENT			

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S301	DIESEL-FIRED ENGINE STACKS		
S302	EMERGENCY SERVICE WATER PUMP STACK		
S402	GAS CONDITIONING YARD EMER GEN STACK		
Z106	COAL PILE EMISSIONS		
Z401	NATURAL GAS PIPELINE FUGITIVES		

**PERMIT MAPS**

**PERMIT MAPS**

CU  
P203 → STAC  
S03

PROC  
P101 → STAC  
S101

PROC  
P106 → STAC  
Z106

PROC  
P301 → STAC  
S301

FML  
FM301 →

PROC  
P302 → STAC  
S302

FML  
FM301 →

PROC  
P401 → STAC  
Z401

PROC  
P402 → STAC  
S402

**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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

the Department.

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

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

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

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

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

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

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

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

(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 § 127.513]****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

**SECTION B. General Title V Requirements**

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.

**#025 [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.
- (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.

**#026 [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.

**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**

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

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

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) of Condition #001 above if the emissions are visible at the point the emissions pass outside the person's property.

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

No person may permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

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

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

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

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 005 [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 perform tests or obtain a fuel certification report of the percent sulfur by weight of each delivery of #2 oil for all stationary air contaminant sources at the facility that combust this type of fuel. OR The permittee shall keep records of fuel certification reports obtained yearly from the #2 fuel oil supplier containing the name of the supplier and stating that the sulfur percentage for each shipment of fuel delivered to the facility for the stationary air contaminant sources during the year shall not exceed 0.0015% by weight.

(b) Commercial fuel oil that was stored by the permittee prior to September 1, 2020, which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 at the time it was stored, may be used by the permittee on and after September 1, 2020.

(c) All testing and certification reports shall be in accordance with the provisions of 25 Pa. Code Chapter 139.

**# 006 [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) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one electronic copy shall be sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.

(d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

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

(e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(g) Pursuant to 25 Pa. Code § § 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided on the PA DEP website.

**SECTION C. Site Level Requirements**

(h) The permittee shall insure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

**# 007 [25 Pa. Code §139.1]****Sampling facilities.**

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

**# 008 [25 Pa. Code §139.11]****General requirements.**

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

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

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

**III. MONITORING REQUIREMENTS.****# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

**# 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 conduct a daily inspection during regular business workdays (defined as Mondays through Fridays, except for national holidays) around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants. Daily inspections are

**SECTION C. Site Level Requirements**

necessary to determine:

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

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

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [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 test analyses or fuel oil certifications to verify compliance with the 0.0015% by weight sulfur content limitation, of the #2 fuel oil used at the facility.
- (b) Commercial fuel oil that was stored by the permittee prior to September 1, 2020, which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 at the time it was stored, may be used by the permittee on and after September 1, 2020.
- (c) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

**# 013 [25 Pa. Code §135.5]****Recordkeeping**

- (a) The permittee shall maintain such records, including computerized records, as may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, equipment maintenance or other information determined by the Department to be necessary for identification and quantification of air contaminant emissions.
- (b) Any records maintained pursuant to this condition shall be retained for at least 5 years and shall be shown to the Department upon request.

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

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

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

The permittee shall forward the annual compliance certification and semi-annual (if required) Title V reports to U.S. EPA electronically, in lieu of a hard copy version, to the following email address: 'R3\_APD\_Permits@epa.gov'. Please place the following in the subject line: TV [permit number], [Facility Name].

**SECTION C. Site Level Requirements****# 016 [25 Pa. Code §127.442]****Reporting requirements.**

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

**Malfunctions, Emergencies or Incidents of Excess Emissions**

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

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

(d) Except as reported to the Department in accordance with 25 Pa. Code Chapter 139 and the Department's Continuous Source Monitoring Manual, any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

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

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

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

**# 017 [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

**SECTION C. Site Level Requirements**

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.

**# 018 [25 Pa. Code §135.3]****Reporting**

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

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

For any source specified in (1) through (8) in Site Level Condition #001 herein, the permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

(2) Application of asphalt, oil, 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.

**VII. ADDITIONAL REQUIREMENTS.****# 020 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act (The Air Pollution Control Act (35 P.S. §§ 4001-4015)).

**# 021 [25 Pa. Code §123.31]****Limitations**

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

**SECTION C. Site Level Requirements**

# 022 [25 Pa. Code §129.14]

**Open burning operations**

No person may permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: CE BOILER - UNIT 1

Source Capacity/Throughput: 7,317.000 MMBTU/HR

7.170 MMBTU/HR

Natural Gas

8,930.000 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: ACID RAIN  
CEMS  
CSAPR  
GAS CONVERSION RQMTS  
RACT

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §139.12]

No person may permit the emission into the outdoor atmosphere of filterable particulate matter from the exhaust of Source ID 031 after the associated control device(s) in excess of 0.1 pound per million Btu of heat input.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from Source ID 031 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

[Additional authority for this permit condition is also derived from 40 CFR Section 76.5(a)(1)]

[Compliance with the part (a) of this permit condition will assure compliance with part (b) of this permit condition]

(a) The nitrogen oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from Source ID 031 shall not exceed 0.40 pounds per million BTU of heat input on an annual average basis.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

(b) The nitrogen oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from Source ID 031 shall not exceed the following limitations:

(i) 0.45 pounds per million BTU of heat input on an annual average basis.

(ii) 0.50 pounds per million BTU of heat input based on a 30 day rolling average.



**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 004 [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]

Source ID 031 shall only be fired on the following fuels:

- 1) Natural gas
- 2) No. 2 fuel oil

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95 and 127.511]

- (a) The permittee shall keep records in accordance with the recordkeeping requirements of 25 Pa. Code 129.95.
- (b) The permittee shall keep records of all nitrogen oxides emission data generated using the continuous nitrogen oxides emission monitoring systems required by this permit.
- (c) The permittee shall keep records of all stack test data generated for Source ID 031.
- (d) The permittee shall keep records, including data which clearly demonstrates that the NO<sub>x</sub> emissions limits for Source ID 031 are met.
- (e) The permittee shall keep records of the data and calculations used to verify compliance with the particulate matter and sulfur oxides emissions limitations for Source ID 031.
- (f) Records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.97(d) and 129.112(d)]

The permittee shall maintain and operate Source ID 031 in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The nitrogen oxides and sulfur oxides emission monitoring systems shall be capable of monitoring the nitrogen oxides and sulfur oxides emission rates expressed in pounds per million Btu of heat input as well as in pounds per hour. They shall also be capable of monitoring the total emissions of the respective air contaminant from the CE boiler associated with Source ID 031 in any 12 consecutive month period (expressed in tons per year).

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

Source ID 031 is a 1971 vintage model SCRRDP Combustion Engineering tangentially-fired boiler equipped with separated overfire air (Unit 1). Source ID 031 shall be equipped with 48 ABB LNCFS Level III low NOx burners (ID C031) and a D.B. Reilly selective catalytic reduction system (ID SCR01) to control NOx emissions.

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

Boiler tube cleaning wastes may be incinerated/evaporated in Source ID 031 provided that the wastes result only from the use of non-hazardous (HAP) and non-VOC containing cleaning rinses or solutions (HCL cleaning wastes shall not be incinerated/evaporated).

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

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: CE BOILER - UNIT 2

Source Capacity/Throughput: 7,239.000 MMBTU/HR

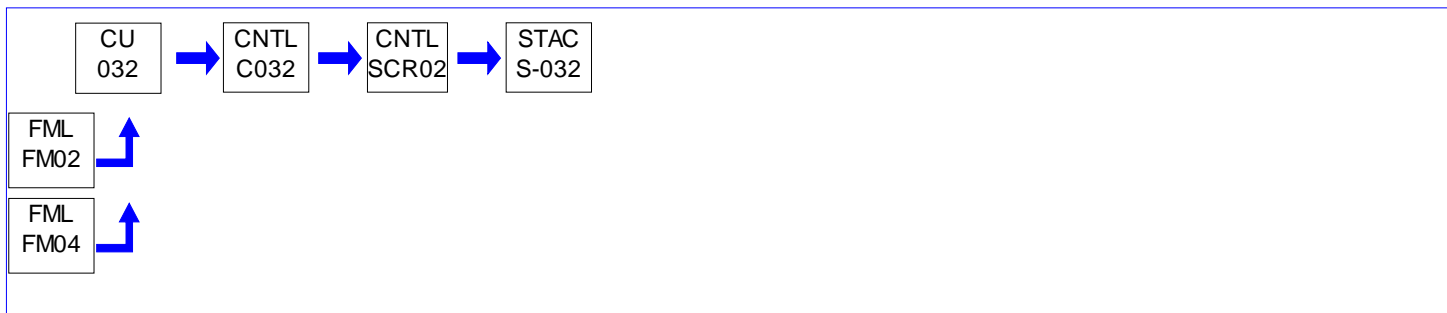
7.100 MMBTU/HR

Natural Gas

8,930.000 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: ACID RAIN  
CEMS  
CSAPR  
GAS CONVERSION RQMTS  
RACT

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §139.12]

No person may permit the emission into the outdoor atmosphere of filterable particulate matter from the exhaust of Source ID 032 after the associated control device(s) in excess of 0.1 pound per million Btu of heat input.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from Source ID 032 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

[Additional authority for this permit condition is also derived from 40 CFR Section 76.5(a)(1)]

[Compliance with the part (a) of this permit condition will assure compliance with part (b) of this permit condition]

(a) The nitrogen oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from Source ID 032 shall not exceed 0.40 pounds per million BTU of heat input on an annual average basis.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95)]

(b) The nitrogen oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from Source ID 032 shall not exceed the following limitations:

(i) 0.45 pounds per million BTU of heat input on an annual average basis.

(ii) 0.50 pounds per million BTU of heat input based on a 30 day rolling average.

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 004 [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]

Source ID 032 may be fired only on the following fuels:

- 1) Natural gas
- 2) No. 2 fuel oil

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95 and 127.511]

- (a) The permittee shall keep records in accordance with the recordkeeping requirements of 25 Pa. Code 129.95.
- (b) The permittee shall keep records of all nitrogen oxides emission data generated using the continuous nitrogen oxides emission monitoring systems required by this permit.
- (c) The permittee shall keep records of all stack test data generated for Source ID 032.
- (d) The permittee shall keep records, including data which clearly demonstrates that the NO<sub>x</sub> emissions limits for Source ID 032 are met.
- (e) The permittee shall keep records of the data and calculations used to verify compliance with the particulate matter and sulfur oxides emissions limitations for Source ID 032.
- (f) Records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.97(d) and 129.112(d)]

The permittee shall maintain and operate Source ID 032 in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from Condition #9 of Plan Approval 47-00001B]

The nitrogen oxides and sulfur oxides emission monitoring systems shall be capable of monitoring the nitrogen oxides and sulfur oxides emission rates expressed in pounds per million Btu of heat input as well as in pound per hour. They shall also be capable of monitoring the total emission of the respective air contaminant from the CE boiler associated with Source ID 032 in any 12 consecutive month period (expressed in tons per year).

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

Source ID 032 is a 1973 vintage model SCRRDP Combustion Engineering tangentially-fired boiler equipped with separated overfire air (Unit #2). Source ID 032 shall be equipped with 48 ABB LNCFS Level III low NOx burners (ID C032) and a D.B Reilly selective catalytic reduction system (ID SCR02) to control NOx emissions.

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

Boiler tube cleaning wastes may be incinerated/evaporated in Source ID 032 provided that the wastes result only from the use of non-hazardous (HAP) and non-VOC containing cleaning rinses or solutions (HCL cleaning wastes shall not be incinerated/evaporated).

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

**SECTION D. Source Level Requirements**

Source ID: 033A

Source Name: AUXILIARY BOILER 11A

Source Capacity/Throughput: 249.900 MMBTU/HR

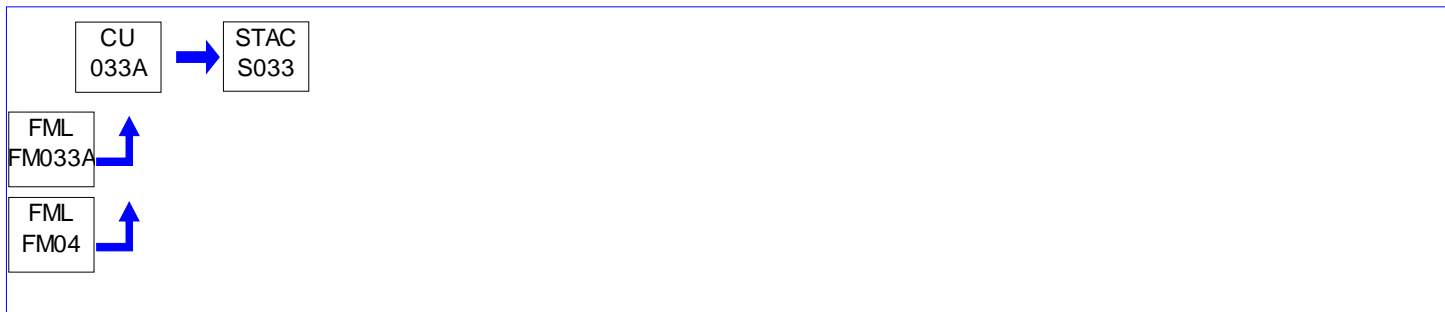
0.245 MMCF/HR

Natural Gas

1,800.000 Gal/HR

#2 OIL (0.0015% SULFUR)

Conditions for this source occur in the following groups: GAS CONVERSION RQMTS

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

[Compliance with this streamlined permit condition will assure compliance with the limitations specified in 40 CFR §60.43b, 40 CFR §60.44b, 25 Pa. Code §§129.97(g)(1)(ii) and 129.112(g)(1)(i)-(ii)]

(a) Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the total emissions from Source ID 033A shall not exceed any of the following limitations, except during the periods specified in paragraph (b) of this condition:

- i) 0.10 lb/MMBtu heat input, 25.0 lb/hr, and 32.8 tons of nitrogen oxides in any 12 consecutive month period;
- ii) 0.10 lb/MMBtu heat input and 32.8 tons of carbon monoxide in any 12 consecutive month period;
- iii) 0.051 lb/MMBtu heat input and 16.7 tons of sulfur dioxide in any 12 consecutive month period;
- iv) 0.030 lb/MMBtu heat input and 9.9 tons of total particulate matter (condensable and filterable), including particulate matter having an aerodynamic diameter equal to or less than 10 micrometers (PM-10) in any 12 consecutive month period;
- v) 0.020 lb/MMBtu heat input and 6.6 tons of PM-2.5
- vi) 0.014 lb/MMBtu heat input and 4.6 tons of volatile organic compounds in any 12 consecutive month period.

(b) The emission limitations specified in paragraph (a) of this condition apply at all times the boiler is operating, except during periods where the warm-up gun is being used, during which time the permittee shall comply with a short-term NOx emission limitation of 0.15 lb/MMBtu heat input. NOx emissions from Source ID 033A, including emissions from use of the warm-up gun, shall not exceed 0.10 lb/MMBtu heat input on a 30 operating day average as specified in 40 CFR §60.44b. Additionally, the hourly and 12-month rolling NOx emission limitations specified in paragraph (a) continue to apply while using the warm-up gun.

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

[Compliance with this streamlined permit condition will assure compliance with the provisions specified in 40 CFR 60.43b(f)]

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

[Additional authority for part (b) of this permit condition is also derived from 25 Pa. Code Section 123.41]

(a) Except during periods of start-up and shutdown, the permittee shall not permit the emission of visible air contaminants into the atmosphere from Source ID 033A in such a manner that the opacity of the emission is equal to or greater than 15% by using EPA reference Method 9 in appendix A-4 of 40 CFR Part 60.

**SECTION D. Source Level Requirements**

(b) The permittee shall not permit the emission of visible air contaminants into the atmosphere from Source ID 033A in such a manner that the opacity of the emission is equal to or greater than the following limitations:

- i 20% for a period or periods aggregating more than 3 minutes in any 1 hour.
- ii 60% at any time.

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

(a) Pursuant to 40 CFR § 63.7500(a), the permittee shall comply with the following emission limitations at all times the auxiliary boiler associated with Source IDs 033A is operating, except during the periods specified in paragraph (b) of this condition:

(1) carbon monoxide (CO) - 130 ppm, dry basis, corrected to 3% oxygen;

(2) filterable particulate matter (PM) - 0.0079 lb/MMBtu of heat input OR total selected metals (TSM) - 6.2 E-05 lb/MMBtu of heat input;

(3) hydrogen chloride (HCl) - 0.0011 lb/MMBtu of heat input;

(4) mercury (Hg) - 2.0 E-06 lb/MMBtu of heat input until 10/5/2025. Beginning on 10/6/2025, the mercury emission limit will be 7.3 E -07 lb/MMBtu of heat input.

(b) Pursuant to 40 CFR § 63.7500(f), the emission limitations specified in part (a) of this condition apply at all times the boiler is operating, except during periods of startup and shutdown during which time the permittee shall comply only with items 5 and 6 of Table 3 of 40 CFR Part 63 Subpart DDDDD.

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

[Compliance with this streamlined permit condition will assure compliance with the provisions of 25 Pa. Code Section 123.22]

(a) Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use No. 2 oil which has a sulfur content no greater than 15 ppm (0.0015%) by weight or natural gas as fuel for Source ID 033A. No waste oil, waste-derived oil, or other waste materials shall be added to the No. 2 oil used by Source ID 033A.

(b) Commercial fuel oil that was stored by the permittee prior to September 1, 2020, which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 at the time it was stored, may be used by the permittee on and after September 1, 2020.

**Throughput Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the permittee's election to limit the capacity factor of Source ID 033A]

The permittee shall operate Source ID 033A with an annual capacity factor of no more than 30% when firing oil.

Annual capacity factor included herein shall be determined by dividing the actual heat input to Source ID 033A for any consecutive 12 month period from the combustion of No. 2 oil by the potential heat input to Source ID 033A if Source ID 033A had been operated for 8,760 hours at the maximum heat input capacity.

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

[Additional authority for this permit condition is derived from the provisions specified in paragraph 40 CFR Section 60.48b(a)]

(a) Within 180 days from the date Source ID 033A commenced operation, the permittee shall conduct a performance test when firing oil using Method 9 in appendix A-4 of 40 CFR Part 60 and the procedures in §60.11 to demonstrate compliance with the visible emissions limit specified herein and shall comply with either paragraphs (a)(1) of this condition or Condition #016 below, as applicable. If during the initial 60 minutes of observation all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent, the observation period may be reduced from 3 hours to 60 minutes.

(1) Except as provided in Condition #016 below, the permittee shall conduct subsequent Method 9 performance tests using the procedures in paragraph (a) of this condition according to the applicable schedule requirements specified in paragraphs (a)(1)(i) through (a)(1)(iv) of this condition, as determined by the most recent Method 9 performance test results.

(i) If no visible emissions are observed, a subsequent Method 9 performance test must be completed within 12 calendar months from the date that the most recent performance test was conducted;

(ii) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted;

(iii) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted; or

(iv) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed within 30 calendar days from the date that the most recent performance test was conducted. If the subsequent Method 9 performance test cannot be completed within such timeframe, the permittee shall notify the Department, shall conduct the subsequent Method 9 performance test at the next available calendar date, and shall notify the Department of the date that such testing was completed.

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

(a) The permittee shall comply with the applicable performance testing requirements specified in 40 CFR § 63.7520 and Table 5 to Subpart DDDDD of 40 CFR Part 63—Performance Testing Requirements.

(b) The permittee shall comply with the applicable performance tests and fuel analyses requirements, as specified in 40 CFR § 63.7515.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.100 and 129.115]

(a) On an approximate 5-year basis, but no less than 54 months and no more than 60 months from the date of the previous test, the permittee shall perform EPA reference method testing for nitrogen oxides emissions from Source ID 033A to verify compliance with the applicable RACT limitations specified in 25 Pa. Code §129.112(g)(1)(i)-(ii).

(b) All testing shall be done using methods and procedures acceptable to the Department.

(c) All testing shall be performed while the source is operating at maximum normal operating conditions.

(d) The testing shall be performed while burning the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the stack test.

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

(a) At least 90 days prior to the performance of any testing required herein, the permittee shall submit two (2) copies of a pretest protocol to the Department for review in accordance with the provisions of 25 Pa. Code Chapter 139. The protocol shall describe the test methods and procedure to be used in the performance of testing, and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also describe how



**SECTION D. Source Level Requirements**

the process rate and heat input will be determined during each test run, and also identify all other process data which will be monitored and recorded during testing including the percentage of oxygen in the flue gas, and any other process data. Additionally, the operational parameters for excess oxygen, atomizing steam pressure and flue gas temperature (after the economizer) of Source ID 033A shall be monitored and recorded during testing. The frequency of recording the process data and operational parameters shall also be proposed in the pretest protocol.

(b) The Department shall be given at least 15 days advance notice of the scheduled dates for the performance of any testing required herein. The Department is under no obligation to accept the results of any testing performed without receipt of proper notification.

(c) Within 60 days of the completion of any stack testing required herein, two (2) copies of a test report shall be submitted to the Department in accordance with the provision of 25 Pa. Code Chapter 139. This test report shall contain the results of the testing, a description of the test methods and procedures actually used in the performance of the tests, copies of all process data collected during the testing, copies of all raw test data and copies of all calculations generated during data analysis. The results of the testing shall be expressed in units which allow for a direct comparison and determination of compliance, with the air contaminant emissions limitations contained herein. The operating parameter ranges established in the monitoring plan, as approved by the Department, will determine if any opacity in excess of the limitations is attributed to Source ID 033A.

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

[Additional authority for this permit condition is also derived from 40 CFR Section 60.46b]

The permittee shall, upon request, determine compliance with the NO<sub>x</sub> standards in 40 CFR Section 60.44b through the use of a 30-day performance test.

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

(a) Pursuant to the applicable requirements at 40 CFR § 63.7530, the permittee shall install, calibrate, maintain and operate an oxygen trim system in accordance with the manufacturer's recommendations and the site-specific monitoring plan for this continuous monitoring system (CMS) as well as the requirements at 40 CFR § 63.7525(b)(7) and set the oxygen trim system no lower than the lowest hourly average oxygen concentration measured during the most recent CO performance test as the operating limit for oxygen.

(i) The oxygen analyzer system shall operate during periods of boiler startup and shutdown, as required by the provisions at 40 CFR § 63.7500(f).

(ii) The oxygen analyzer system shall operate according to the applicable requirements at 40 CFR §§ 63.7535(b) through (d).

(b) Pursuant to the applicable requirements at 40 CFR § 63.7530, the permittee shall install, calibrate, maintain and operate operating load monitors or steam generation monitors in accordance with the site-specific monitoring plan for the selected CMS as well as establish, monitor and maintain the operating load or steam generation rate of Source ID 033A, as applicable, such that it does not exceed 110 percent of the highest hourly average recorded during the most recent CO performance test.

(i) The selected CMS shall operate, monitor and collect data according to the site-specific monitoring plan and the applicable requirements at 40 CFR §§ 63.7535(b) through (d).

(ii) The selected CMS shall monitor and collect data during periods of boiler startup and shutdown, as required by the provisions at 40 CFR § 63.7500(f).

(iii) The permittee shall install, maintain and operate the CMS for operating load or steam generation rate according to the requirements at 40 CFR §§ 63.7525(e) or (f), as applicable.

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from the provisions specified in 40 CFR Sections 60.48b(a)(2) and (a)(3)]

**SECTION D. Source Level Requirements**

(a) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the permittee may, as an alternative to performing subsequent Method 9 performance tests when firing oil, elect to perform subsequent monitoring using Method 22 in appendix A-7 of 40 CFR Part 60 according to the procedures specified in paragraphs (a)(1) and (a)(2) of this condition.

(1) The permittee shall conduct 10 minute observations (during normal operation) each operating day using Method 22 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period (i.e., 30 seconds per 10 minute period). If the sum of the occurrence of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrence of visible emissions is greater than 5 percent of the observation period (i.e., 90 seconds per 30 minute period) the permittee shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30 minute observation (i.e., 90 seconds) or conduct a new Method 9 performance test using the procedures specified in 40 CFR Section 60.48b(a) within 45 calendar days according to the requirements in 40 CFR Section 60.46d(d)(7). If the new Method 9 performance test cannot be completed within such timeframe, the permittee shall notify the Department, shall conduct the new Method 9 performance test at the next available calendar date, and shall notify the Department of the date that such testing was completed.

(2) If no visible emissions are observed for 30 operating days, observations can be reduced to once every 7 operating days during which an opacity standard is applicable. If any visible emissions are observed, daily observations shall be resumed.

(b) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the permittee may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Department or the Administrator. The observations shall be similar, but not necessarily identical, to the requirements specified in (a) of this condition. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

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

(a) The visible emissions from Source ID 033A are determined by:

(1) The provisions specified in 25 Pa. Code Section 123.43.

(2) During operation, continuously monitoring the excess oxygen, atomizing steam pressure and flue gas temperature (after the economizer) of Source ID 033A.

(b) When Source ID 033A and Source ID 034 of Title V Operating Permit 47-00001 simultaneously exhaust through the common stack, the following applies:

(1) Opacity determined to be in excess of the limit specified in Condition #002(a), above, is attributed to Source ID 033A and Source ID 034 if the operating parameters monitored in item (a)(2) of this condition fall outside the respective operating parameter ranges established in the monitoring plan, as approved by the Department, for either excess oxygen or atomizing steam pressure.

(2) Opacity determined to be in excess of the limit specified in Condition #002(a), above, is attributed to Source ID 034 if the operating parameters monitored in item (a)(2) of this condition are within the respective operating parameter ranges established in the monitoring plan, as approved by the Department, for excess oxygen and atomizing steam pressure.

(3) Opacity determined to be in excess of the limits specified in Condition #002(b), above, is attributed to Source ID 034 if the operating parameters monitored in item (a)(2) of this condition are within the respective operating parameter ranges established in the monitoring plan, as approved by the Department, for excess oxygen and atomizing steam pressure.

(4) Opacity determined to be in excess of the limits specified in Condition #002(b), above, is attributed to Source ID 033A and Source ID 034 if the operating parameters monitored in item (a)(2) of this condition fall outside the respective operating parameter ranges established in the monitoring plan, as approved by the Department, for either excess oxygen or atomizing steam pressure.

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

The permittee shall comply with the monitoring requirements specified in 40 CFR Section 60.48b(g)(2).

**SECTION D. Source Level Requirements****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Pursuant to 40 CFR § 63.7505(d), the permittee shall develop and provide with the test protocol required herein, sitespecific monitoring plans pertaining to each of the continuous monitoring systems required to comply with the applicable requirements of 40 CFR Part 63 Subpart DDDDD. The site-specific monitoring plans for the continuous monitoring systems shall be developed according to the requirements in 40 CFR § 63.7505(d)(1) through (4).

(b) Pursuant to 40 CFR § 63.7521(b), the permittee shall develop and provide with the test protocol required herein, site-specific fuel monitoring plans pertaining to each of the fuel analyses used to comply with the applicable requirements of 40 CFR Part 63 Subpart DDDDD. The site-specific fuel monitoring plan for each fuel analysis shall be developed according to the requirements in 40 CFR § 63.7521(b)(1) and (2).

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

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

In accordance with the frequency of the opacity testing and monitoring conditions herein, the permittee shall maintain records of opacity. These records shall be kept for a period of five (5) years and shall be made available to the Department upon request.

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

The permittee shall comply with the applicable recordkeeping requirements, as specified in 40 CFR § 63.7555.

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

All records generated to satisfy the requirements specified herein shall be kept for a period of at least 5 years and shall be made available to the Department upon request. In accordance with 40 CFR § 63.7560, the records shall kept on-site, or they shall 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 40 CFR § 63.10(b)(1). The permittee may keep the records off site for the remaining 3 years.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.100 and 129.115]

(a) The permittee shall keep records to demonstrate compliance with §§ 129.97 and 129.112 for Source ID 033A in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of 25 Pa. Code §§ 129.97 and 129.112 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.

(b) These records shall be retained for a minimum of 5 years and be made available to the Department upon request.

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

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

The permittee shall keep accurate and comprehensive records of the following information for Source ID 033A:

i) A copy of the stack test reports for any testing performed on the source.

ii) The amount of No. 2 oil and natural gas combusted in the source during each day (each day must have a value for the

**SECTION D. Source Level Requirements**

amount of fuel, i.e. if Source ID 033A is not operated, for each day of non-operation, 0 would be the recorded value).

iii) Annual capacity factor of the source for fuel oil (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).

iv) Fuel receipts from the fuel supplier that certify the oil used as fuel in the source meets the definition of No. 2 by the supplier and the sulfur limit herein.

v) Daily inspections for gun leaks; shape, smoke and color of flame-pattern including description of corrective actions needed as specified in the plan approval application; name of individual conducting inspection; date and time of inspection; and the heat input of boiler during the inspection.

vi) Description of annual maintenance performed including date and time of annual maintenance, and name of individual(s) who performed the inspection.

All information generated for this recordkeeping condition shall be kept for a period of five (5) years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115]

The permittee shall submit the emissions of nitrogen oxides, carbon monoxide, sulfur oxides, and total particulate matter (filterable and condensable), and volatile organic compound from Source ID 033A with the supporting calculations/documentation for each month in the reporting period on a semi-annual basis (includes total emissions tons per year based on a 12-consecutive month rolling total for each month in that reporting period).

Semi-annual reports shall be submitted to the Department by March 1 (for the July 1 through December 31 reporting period of the preceding year) and September 1 (for the January 1 through June 30 reporting period of the concurrent year).

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

[Additional authority for this permit condition is also derived from the provision of 40 CFR Section 60.49b(r)]

The permittee shall include in the semi-annual report a statement certifying that only oil meeting the definition and limitation herein was combusted in Source ID 033A during the reporting period

Semi-annual reports shall be submitted to the Department by March 1 (for the July 1 through December 31 reporting period of the preceding year) and September 1 (for the January 1 through June 30 reporting period of the concurrent year).

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

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

(a) In addition to the initial notification requirement specified in Section B herein, the permittee shall submit initial notification in accordance with the provisions of 40 CFR §60.7.

(b) The permittee is required to submit, on a semi-annual basis, excess emission reports for any excess emissions that occurred during the reporting period.

(1) For the purpose of 40 CFR §60.43b, excess emissions are defined as all 6-minute periods during which the average opacity exceeds the opacity standards under 40 CFR §60.43b(f).

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

The permittee shall comply with the applicable reporting requirements, as specified in 40 CFR § 63.7550.

**SECTION D. Source Level Requirements****# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the applicable notification requirements, as specified in 40 CFR § 63.7545.

**VI. WORK PRACTICE REQUIREMENTS.****# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall operate and maintain Source ID 033A in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction events.

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

(a) Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall perform daily inspections and annual maintenance on Source ID 033A. Daily inspections (when Source ID 033A is operating) will include inspection of gun for leaks, and observation of flame-pattern for smoke, color, and shape. Annual maintenance will include inspections of gun assembly, burner tip, refractory, spinners, burner throat, and dampers associated with flue gas recirculation. Any irregularities, repairs, replacement parts, corrective actions, etc. needed as a result of daily inspections and annual maintenance shall be performed as expeditiously as possible.

(b) For every Source ID 033A start-up and operation, each daily inspection shall occur no more than 30 minutes after start-up, and within every 24-hour period from the previous inspection (when Source ID 033A is still in operation).

(c) The initial annual maintenance shall be performed between the first 1800 hours and 2628 hours of operation. Subsequent maintenance shall be performed on an approximate annual basis, but in each case, no less than 1800 hours of operation and no more than 2628 hours of operation following the previous maintenance.

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

Pursuant to 40 CFR § 63.7540, the permittee shall conduct tune-ups of Source ID 033A by following the procedures at 40 CFR §§ 63.7540(a)(10)(i) through (vi) every 5 years from the date of the previous tune-up, except as specified in 40 CFR §§ 63.7540(a)(12) and (13). The tune-up shall be conducted 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 over the 12 months prior to the tune-up.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.97(d) and 129.112(d)]

The permittee shall maintain and operate Source ID 033A in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit.

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

The provision under 40 CFR Section 60.42b(k)(2), which exempts the unit from the SO<sub>2</sub> standard of 40 CFR Section 60.42b, applies to Source ID 033A based on the requirement to only use natural gas or No. 2 oil with maximum 15 ppm (0.0015%) sulfur which meets the definition of very low sulfur oil specified in 40 CFR Section 60.41b.

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

Source ID 033A consists of a natural gas or No. 2 oil-fired, steam generating unit which nominally produces 200K lbs/hr of steam used for Unit 1 and 2 start-up purposes. Source ID 033A shall incorporate a Coen-model, low-NO<sub>x</sub> burner rated at maximum, heat input equal to 249.9 MMBtu/hr and flue gas recirculation.

**SECTION D. Source Level Requirements****# 032 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 033A is subject to Title 40 Part 60 Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units). The permittee shall comply with all applicable provisions specified in 40 CFR Sections 60.40b - 60.49b.

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

[Additional authority for this permit condition is also derived from the provisions specified in 40 CFR § 63.7540(a)(1)]

(a) Pursuant to 40 CFR § 63.7540(a)(1), the operating limits established by the approved site-specific CO monitoring plan(s) shall be confirmed or reestablished only during performance tests.

(b) Operation of Source ID 033A above the established maximum or below the established minimum operating limits shall constitute a deviation of established operating limits except during the periods specified at 40 CFR § 63.7540(a)(1).

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

Source ID 033A is subject to the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with all of the applicable requirements for Source ID 033A, as specified in 40 CFR §§ 63.7480 through 63.7575.

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

**SECTION D. Source Level Requirements**

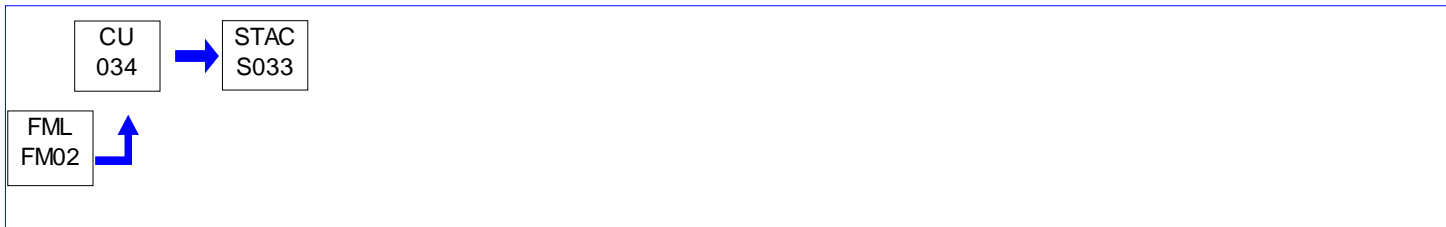
Source ID: 034

Source Name: AUX CE BOILER 2 (UNIT 11B)

Source Capacity/Throughput: 269.000 MMBTU/HR

1,910.000 Gal/HR

#2 Oil

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

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust of Source ID 034 in excess of the rate determined by the following formula:

$$A = 3.6 \times E^{.56}$$

where A = Allowable emissions in pounds per million Btus of heat input, and E = Heat input to the combustion unit in millions of Btus per hour (when E is equal to or greater than 50 but less than 600).

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 52.2020(c)]

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the exhaust of Source ID 034 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.91, 129.97(g)(1)(ii) and 129.112(g)(1)(ii)]

The nitrogen oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from Source ID 034 shall not exceed:

(a) 0.12 pounds per million BTU of heat input.

(b) 34 tons in any 12 consecutive month period.

**Fuel Restriction(s).****# 004 [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 sulfur content of the #2 and lighter fuel oil fired in Source ID 034 shall not exceed 0.0015% (15 ppm) by weight.

(b) Commercial fuel oil that was stored by the permittee prior to September 1, 2020, which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 at the time it was stored, may be used by the permittee on and after September 1, 2020.

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

The permittee shall only fire #2 or lighter fuel oil in Source ID 034.

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this restriction is also derived from the election of the permittee to operate this boiler according to the limited-use boiler designation and avoid being subject to emission and operating limits, among other requirements, of 40 CFR Part 63 Subpart DDDDD in accordance with the provisions specified in 40 CFR § 63.7500(c)]

[Compliance with this streamlined permit condition also assures compliance with the 20% capacity factor established under 25 Pa. Code §129.91]

Operation of Source ID 034 shall be restricted to an annual capacity factor of no more than 10%.

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

[Additional authority for this permit condition is also derived from the provisions of 25 Pa. Code §§ 129.91, 129.100(a)(4), 129.115 and 127.511]

(a) On an approximate 5-year basis, but no less than 54 months and no more than 60 months from the date of the previous test, the permittee shall perform EPA reference method testing for particulate matter and nitrogen oxides emissions from Source ID 034 to verify compliance with the respective limitations in this permit.

(b) All testing shall be done using methods and procedures acceptable to the Department.

(c) All testing shall be performed while the source is operating at maximum normal operating conditions.

**III. MONITORING REQUIREMENTS.****# 008 [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 perform tests or obtain a fuel certification report of the percent sulfur by weight of each delivery of #2 fuel oil for the auxiliary boiler associated with Source ID 034. OR The permittee shall keep records of fuel certification reports obtained yearly from the #2 fuel oil supplier containing the name of the supplier and stating that the sulfur percentage for each shipment of fuel delivered to the facility for the auxiliary boiler associated with Source ID P034 during the year shall not exceed 0.0015% (15 ppm) by weight.

(b) All testing and certification reports shall be in accordance with the provisions of 25 Pa. Code Chapter 139.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.95, 129.100, 129.115 and 127.511]

The permittee shall keep records for Source ID 034 that shall at a minimum, include:

(a) Records demonstrating compliance with 25 Pa. Code Section 129.95, 129.97, and 129.112. Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(b) Data which clearly demonstrates that the annual capacity factor of the auxiliary boiler is equal to or less than 10%.

(c) All stack test data generated for Source ID 034.



**SECTION D. Source Level Requirements**

(d) Records of the NO<sub>x</sub> emissions calculations used to demonstrate compliance with the annual NO<sub>x</sub> emission limitations.

(e) Records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**# 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 supporting documentation and calculations used to verify compliance with the sulfur oxides emissions limitations for Source ID 034.

(b) Records shall be retained for a minimum of five years and shall be made available to the Department upon request.

**# 011 [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 test analyses or fuel oil certifications for FM02 to verify compliance with the 0.0015% (15 ppm) by weight sulfur content limitation, of the #2 fuel oil used to operate the auxiliary boiler associated with Source ID 034.

(b) Commercial fuel oil that was stored by the permittee prior to September 1, 2020, which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 at the time it was stored, may be used by the permittee on and after September 1, 2020.

(c) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Pursuant to 40 CFR § 63.7525(k), the permittee shall keep fuel use records for the days the auxiliary boiler associated with Source ID 034 was operating.

(b) Along with the recordkeeping required in part (a) of this condition, the permittee shall keep data and calculation records for the auxiliary boiler's annual capacity factor.

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

The permittee shall keep record of the information required to be determined in order to comply with the applicable tune-up requirements as specified 40 CFR §§ 63.7540(a)(10)(i) through (vi).

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

All records generated to satisfy the requirements specified herein as well as Subpart DDDDD to 40 CFR Part 63 shall be kept for a period of at least 5 years and shall be made available to the Department upon request. In accordance with 40 CFR § 63.7560, the records shall kept on-site, or they shall 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 40 CFR § 63.10(b)(1). The permittee may keep the records off site for the remaining 3 years.

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

The permittee shall comply with the applicable reporting requirements, as specified in 40 CFR § 63.7550.

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.97(d) and 129.112(d)]

The permittee shall maintain and operate Source ID 034 in accordance with the manufacturer's specifications and with good operating practices for the control of the VOC emissions from the combustion unit.

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

Pursuant to 40 CFR § 63.7540, the permittee shall conduct tune-ups of Source ID 034 by following the procedures at 40 CFR §§ 63.7540(a)(10)(i) through (vi) every 5 years from the date of the previous tune-up, except as specified in 40 CFR §§ 63.7540(a)(12) and (13).

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

Source ID 034 is a 1971 vintage model 31VP-14W Combustion Engineering #2 or lighter fuel oil-fired auxiliary startup boiler #2 (Unit 11B).

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

Source ID 034 is subject to the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with all of the applicable requirements for Source ID 034, as specified in 40 CFR §§ 63.7480 through 63.7575.

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

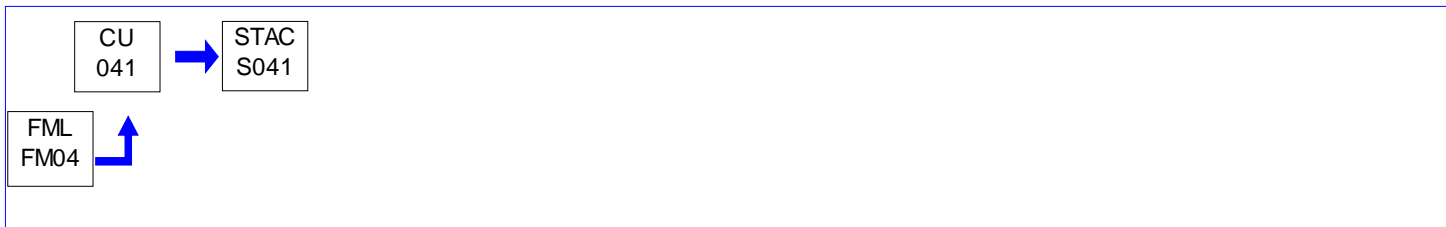
**SECTION D. Source Level Requirements**

Source ID: 041

Source Name: THREE FUEL GAS HEATERS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GAS CONVERSION RQMTS

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 041 in excess of 0.4 pounds per million Btu of heat input in accordance with 25 Pa. Code Section 123.11(a)(1).

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 52.2020(c)(1)]

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from Source ID 041 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period in accordance with 25 Pa. Code Section 123.22(a)(1).

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the emissions from the operation of each individual fuel gas heater included in Source ID 041 shall not exceed any of the following:

- (a) Nitrogen Oxides: 9 ppm<sub>dv</sub> @ 3% Oxygen, 0.18 lb/hr, and 0.77 tons in any 12 consecutive month period.
- (b) Carbon Monoxide: 20 ppm<sub>dv</sub> @ 3% Oxygen, 0.26 lb/hr, and 1.16 tons in any 12 consecutive month period.
- (c) Volatile Organic Compounds: 20 ppm<sub>dv</sub> @ 3% Oxygen, 0.14 lb/hr, and 0.62 tons in any 12 consecutive month period.

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

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

(a) The fuel gas heaters included in Source ID 041 shall only be fired on pipeline-quality natural gas, if available to the facility.

(b) In circumstances where pipeline quality natural gas is not available, the permittee shall utilize gas that meets the definition of "natural gas" as the term is defined in 40 CFR § 72.2.

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

- (a) No later than 5 years from the date of the most recent stack test conducted on any of the fuel gas heaters included in

**SECTION D. Source Level Requirements**

Source ID 041, the permittee shall submit a source testing protocol for EPA reference method testing programs for nitrogen oxides (NOx) for at least one heater included in Source ID 041 to verify compliance with the emission limits established pursuant to BAT.

(b) The permittee shall respond to any request for additional information from BAQ Source Testing within 30 days, or as allowed by the Department.

(c) Within 90 days of receipt of an approved testing protocol from BAQ Source Testing, the permittee shall conduct the approved EPA reference method testing programs on at least one heater included in Source ID 041 while it is operating at maximum routine operating conditions, or under other conditions as approved by the Department.

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

(a) The permittee shall calculate and record the combined monthly VOC emissions from Source ID 041 using methods approved by the Department. The permittee shall maintain records of the monthly VOC emissions.

(b) The permittee shall calculate and record the cumulative VOC emissions from Source ID 041 for each 12-consecutive month period. The permittee shall maintain records of the cumulative VOC emissions from Source ID 041 for each 12-consecutive month period in order to demonstrate compliance with the limit on the VOC emissions.

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

All records generated to verify compliance with the conditions of this plan approval shall be kept for minimum of five (5) years and shall be available upon request by the Department.

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

The permittee shall obtain and maintain records of the current, valid purchase contract, tariff sheet, or transportation contract from the natural gas supplier that provide the necessary Btu heat content and sulfur content of the supplied natural gas to calculate air pollutant emissions on a 12-consecutive month basis.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart DDDDD]

The permittee shall create and maintain records pertaining to the operation of the fuel gas heaters included in Source ID 041 as specified in 40 CFR §§ 63.7555 - 63.7560.

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

[Additional authority for this permit condition is also derived from 40 CFR §60.48c(g)(2)]

The permittee shall record and maintain records of the amount of natural gas combusted in each fuel gas heater of Source ID 041 during each calendar month.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 63 Subpart DDDDD]

**SECTION D. Source Level Requirements**

The permittee shall submit to the Department the notifications and reports pertaining to the operation of the fuel gas heaters included in Source ID 041 as specified in 40 CFR §§ 63.7545 - 63.7550.

**VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.7515(d) and 63.7540(a)(10)]

(a) The permittee shall conduct an annual tune-up of each fuel gas heater included in Source ID 041 to demonstrate continuous compliance as follows:

(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; and

(B) A description of any corrective actions taken as a part of the tune-up.

(b) The permittee shall conduct the first tune-up of each fuel gas heater included in Source ID 041 within 13 months of startup and within 13 months of the previous tune-up thereafter.

(c) If a fuel gas heater included in Source ID 041 is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

**VII. ADDITIONAL REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 041 consists of three (3) Sigma Thermal HDFX natural gas-fired fuel gas heaters each rated at 17.6 MMBtu/hr of heat input.

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

**SECTION D. Source Level Requirements**

The fuel gas heaters included in Source ID 041 are subject to the requirements of 40 CFR Part 60 Subpart Dc - Standards of Performance for Small Industrial - Commercial - Institutional Steam Generating Units. The permittee shall comply with all applicable requirements of 40 CFR §§ 60.40c - 60.48c for Source ID 041.

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The fuel gas heaters included in Source ID 041 are subject to the requirements of 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with all applicable requirements of 40 CFR §§ 63.7480 - 63.7575 for Source ID 041.

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

**SECTION D. Source Level Requirements**

Source ID: P201A

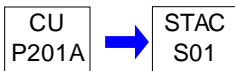
Source Name: EMERGENCY GENERATOR 1A D398

Source Capacity/Throughput:

5.800 MMBTU/HR

44.900 Gal/HR

#2 Oil

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

No person may permit the emission of particulate matter from the exhaust of Source ID P201A into the outdoor atmosphere in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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

No person may permit the emission from the exhaust of Source ID P201A into the outdoor atmosphere in a manner that the concentration of the sulfur oxides (SOX), expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the total emissions from Source ID P201A shall not exceed any of the following limitations:

- (a) 3.20 lb/MMBtu heat input, 18.6 lb/hr, and 4.6 tons of nitrogen oxides in any 12 consecutive month period;
- (b) 0.85 lb/MMBtu heat input, 4.9 lb/hr, and 1.2 tons of carbon monoxide in any 12 consecutive month period;
- (c) 0.07 lb/MMBtu heat input, 0.4 lb/hr, and 0.1 tons of total particulate matter (condensable and filterable), including particulate matter having an aerodynamic diameter equal to or less than 2.5 micrometers (PM-2.5), in any 12 consecutive month period;
- (d) 0.09 lb/MMBtu heat input, 0.5 lb/hr, and 0.1 tons of volatile organic compounds in any 12 consecutive month period.

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

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

- (a) Except as provided in subparagraph (b) below, Source P201A may only be fired on #2 or lighter diesel fuel with a sulfur content of 15 ppm maximum.
- (b) Any existing diesel fuel purchased (or otherwise obtained) by the permittee prior to August 24, 2017 may be used in Source ID P201A until depleted, provided the sulfur content of the fuel does not exceed 0.5% (by weight).

**Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall not operate Source ID P201A equal to or in excess of 500 hours in any 12 consecutive month period.

**SECTION D. Source Level Requirements**

Compliance with this requirement shall additionally be considered as part of RACT for this source.

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

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

Source ID P201A shall comply with the operational restrictions on non-emergency usage specified in 40 CFR §63.6640(f).

(a) The permittee shall operate Source ID P201A according to the requirements in paragraphs (a)(1) through (3). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a)(1) through (3), is prohibited.

(1) There is no time limit on the use of Source ID P201A in emergency situations, except the 500 hour per 12 consecutive month period limitation on total operation of the engine as established under RACT.

(2) The permittee may operate Source ID P201A for the purposes specified in paragraphs (a)(2)(i) and (a)(3) for a combined maximum of 100 hours per calendar year.

(i) Source ID P201A 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 permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P201A beyond 100 hours per calendar year.

(3) Source ID P201A may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2). 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.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.511 and 129.115(f)]

The permittee shall keep records of the following for this source:

(a) The number of hours operated per 12 consecutive month period. The permittee must document how many hours are spent for emergency operation, including what classified the operation as an emergency.



**SECTION D. Source Level Requirements**

(b) Records of the maintenance conducted on Source ID P201A in order to demonstrate that it is operated and maintained according to the maintenance program.

(c) The documentation and calculations used to verify compliance with the nitrogen oxides, carbon monoxide, volatile organic compound and particulate matter emissions limitations.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.511 and 129.115(f)]

(a) The permittee shall annually submit to the Department calculations that will demonstrate compliance with the 12-month rolling nitrogen oxides, carbon monoxide, volatile organic compound and particulate matter emissions limitations for Source ID P201A.

(b) The permittee shall submit the annual hours of operation for Source ID P201A.

The annual report shall be submitted to the Department no later than March 1 for the preceding year.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall maintain and operate Source ID P201A in accordance with its own engine maintenance program which includes monthly visual inspections of the engines, readiness testing, and a semi-annual oil sampling and evaluation program. The maintenance program shall provide to the extent practicable for the maintenance and operation of the source in a manner consistent with good air pollution control practice for minimizing emissions. Compliance with this requirement shall additionally be considered as part of RACT for this source.

**VII. ADDITIONAL REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P201A is a 1971 vintage Model D398 Caterpillar Emergency Generator No. 1A powered by a 970 bhp diesel-fired engine.

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

**SECTION D. Source Level Requirements**

Source ID: P202A

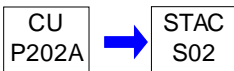
Source Name: EMERGENCY GENERATOR 1B D398

Source Capacity/Throughput:

5.800 MMBTU/HR

44.900 Gal/HR

#2 Oil

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

No person may permit the emission of particulate matter from the exhaust of Source ID P202A into the outdoor atmosphere in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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

No person may permit the emission from the exhaust of Source ID P202A into the outdoor atmosphere in a manner that the concentration of the sulfur oxides (SOX), expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the total emissions from Source ID P202A shall not exceed any of the following limitations:

- (a) 3.20 lb/MMBtu heat input, 18.6 lb/hr, and 4.6 tons of nitrogen oxides in any 12 consecutive month period;
- (b) 0.85 lb/MMBtu heat input, 4.9 lb/hr, and 1.2 tons of carbon monoxide in any 12 consecutive month period;
- (c) 0.07 lb/MMBtu heat input, 0.4 lb/hr, and 0.1 tons of total particulate matter (condensable and filterable), including particulate matter having an aerodynamic diameter equal to or less than 2.5 micrometers (PM-2.5), in any 12 consecutive month period;
- (d) 0.09 lb/MMBtu heat input, 0.5 lb/hr, and 0.1 tons of volatile organic compounds in any 12 consecutive month period.

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

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

- (a) Except as provided in subparagraph (b) below, Source P202A may only be fired on #2 or lighter diesel fuel with a sulfur content of 15 ppm maximum.
- (b) Any existing diesel fuel purchased (or otherwise obtained) by the permittee prior to August 24, 2017 may be used in Source ID P202A until depleted, provided the sulfur content of the fuel does not exceed 0.5% (by weight).

**Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

Source ID P202A shall comply with the operational restrictions on non-emergency usage specified in 40 CFR §63.6640(f).

**SECTION D. Source Level Requirements**

(a) The permittee shall operate Source ID P202A according to the requirements in paragraphs (a)(1) through (3). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (a)(1) through (3), is prohibited.

(1) There is no time limit on the use of Source ID P202A in emergency situations, except the 500 hour per 12 consecutive month period limitation on total operation of the engine as established under RACT.

(2) The permittee may operate Source ID P202A for the purposes specified in paragraphs (a)(2)(i) and (a)(3) for a combined maximum of 100 hours per calendar year.

(i) Source ID P202A 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 permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P202A beyond 100 hours per calendar year.

(3) Source ID P202A may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2). 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.

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

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

The permittee shall not operate Source ID P202A equal to or in excess of 500 hours in any 12 consecutive month period. Compliance with this requirement shall additionally be considered as part of RACT for this source.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.511 and 129.115(f)]

The permittee shall keep records of the following for this source:

(a) The number of hours operated per 12 consecutive month period. The permittee must document how many hours are spent for emergency operation, including what classified the operation as an emergency.

(b) Records of the maintenance conducted on Source ID P202A in order to demonstrate that it is operated and maintained according to the maintenance program.

(c) The documentation and calculations used to verify compliance with the nitrogen oxides, carbon monoxide, volatile

**SECTION D. Source Level Requirements**

organic compound and particulate matter emissions limitations.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

**# 008 [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 and 129.115(f)]

(a) The permittee shall annually submit to the Department calculations that will demonstrate compliance with the 12-month rolling nitrogen oxides, carbon monoxide, volatile organic compound and particulate matter emissions limitations for Source ID P202A.

(b) The permittee shall submit the annual hours of operation for Source ID P202A.

The annual report shall be submitted to the Department no later than March 1 for the preceding year.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall maintain and operate Source ID P202A in accordance with its own engine maintenance program which includes monthly visual inspections of the engines, readiness testing, and a semi-annual oil sampling and evaluation program. The maintenance program shall provide to the extent practicable for the maintenance and operation of the source in a manner consistent with good air pollution control practice for minimizing emissions. Compliance with this requirement shall additionally be considered as part of RACT for this source.

**VII. ADDITIONAL REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P202A is a 1971 vintage Model D398 Caterpillar Emergency Generator No. 1B powered by a 970 bhp diesel-fired engine.

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

**SECTION D. Source Level Requirements**

Source ID: P203

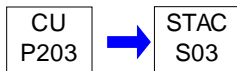
Source Name: EMERGENCY GENERATOR 2 D343

Source Capacity/Throughput:

2.400 MMBTU/HR

18.500 Gal/HR

#2 Oil

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

No person may permit the emission of particulate matter from the exhaust of Source ID P203 into the outdoor atmosphere in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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

No person may permit the emission from the exhaust of Source ID P203 into the outdoor atmosphere in a manner that the concentration of the sulfur oxides (SOX), expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

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

The total volatile organic compound (VOC) emissions from Source ID P203 shall not equal or exceed 3 pounds per hour or 2.7 tons in any 12 consecutive month period.

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

The permittee shall only fire #2 or lighter fuel oil in Source ID P203.

**Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.91, 129.93, 129.97(c)(8), and 129.112(c)(10)]

The permittee shall not operate Source ID P203 equal to or in excess of 500 hours in any 12 consecutive month period. Compliance with this requirement shall additionally be considered as part of RACT for this source.

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

The permittee shall operate Source ID P203 according to the requirements in paragraphs (1) through (3). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3), is prohibited.

(1) There is no time limit on the use of Source ID P203 in emergency situations, except the 500 hour per 12 consecutive month period limitation on total operation of the engine as established under RACT.

**SECTION D. Source Level Requirements**

(2) The permittee may operate Source ID P203 for the purposes specified in paragraphs (2)(i) and (3) for a combined maximum of 100 hours per calendar year.

(i) Source ID P203 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 permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P203 beyond 100 hours per calendar year.

(3) Source ID P203 may be operated for up to 50 hours per calendar year in non-emergency situations. 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.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The sulfur content of the #2 and lighter fuel oil fired in the emergency generator shall not exceed 0.5% (by weight).

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

Source ID P203 shall be equipped with a non-resettable hour meter.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511, 129.95, 129.100, 129.115(f) and 40 CFR § 63.6655]

The permittee shall keep records of the following for this source:

(a) The number of hours operated per month, as recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(b) The calculations used to verify compliance with the sulfur oxides and particulate matter emissions limitations.

(c) The calculations used to verify compliance with the volatile organic compound emissions limitation for Source ID P203.

(d) Records of the maintenance conducted on Source ID P203 in order to demonstrate that it is operated and maintained according to the manufacturers' specifications, the permittee's own maintenance plan and good air pollution control practices.

(e) The occurrence and duration (in hours) of each malfunction of operation (i.e., process equipment) or the air pollution

**SECTION D. Source Level Requirements**

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

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.511 and 129.115(f)]

(a) The permittee shall annually submit to the Department calculations that will demonstrate compliance with the VOC emission limitation for Sources ID P203.

(b) The permittee shall submit the annual hours of operation for Sources ID P203.

The annual report shall be submitted to the Department no later than March 1 for the preceding year.

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

[Additional authority for this permit condition is derived from 40 CFR § 63.6650]

The permittee shall submit each report required by Table 7 of 40 CFR Part 63 Subpart ZZZZ that is applicable to Source ID P203 in accordance with 40 CFR § 63.6650.

**VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91, 129.93, 129.97(c) and 129.112(c)(10)]

The permittee shall maintain and operate this emergency generator in accordance with the manufacturers' specifications and good air pollution control practices. Compliance with this requirement shall additionally be considered as part of RACT for this source.

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

(a) The permittee shall comply with the following maintenance requirements for Source ID P203:

(i) Change oil and filter every 500 hours of operation or one year + 30 days from the previous change, whichever comes first, unless the optional oil analysis indicates the oil does not need to be changed. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in 40 CFR Part 63 Subpart ZZZZ Table 2c or to change the oil filter every 500 hours of operation or one year + 30 days from the previous change. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c. 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

**SECTION D. Source Level Requirements**

analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(ii) Inspect the air cleaner every 1,000 hours of operation or one year + 30 days from the previous change, whichever comes first, and replace as necessary.

(iii) Inspect all hoses and belts every 500 hours of operation or one year + 30 days from the previous change, whichever comes first, and replace as necessary.

(b) If Source ID P203 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 (a) above, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. 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.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall operate and maintain Source ID P203 according to the manufacturer's emission-related written instructions or develop its 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.

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize the time spent at idle during startup of the engine associated with Source ID P203 and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

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

[Additional authority for this permit condition is also derived from 40 CFR 63.6585]

(a) This engine is an affected source subject to the applicable requirements of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63 Subpart ZZZZ).

(b) As the owner/operator of the engine, the permittee shall comply with all applicable requirements of 40 CFR 63.680 through 63.6675, including appendices.

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

Source ID P203 is a 1973 vintage Model D343TA Caterpillar Emergency Generator No. 2 powered by a 415 bhp diesel-fired engine.

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

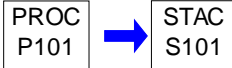


**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: TWO #2 FUEL OIL 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.**

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

The permittee shall keep records of the vapor pressure of the liquid stored in each of the storage tanks of Source ID P101 unless the tank is equipped with pressure relief valves. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.56 and 129.57]

For each above ground storage tank with a capacity equal to or greater than 2000 gallons containing volatile organic compounds with a vapor pressure greater than 1.5 psia under actual storage conditions, the permittee shall install pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

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

Source ID P101 consists of a 500,000 gallon storage tank and a 250,000 gallon storage tank. Both tanks are used for storing #2 fuel oil.

**SECTION D. Source Level Requirements**

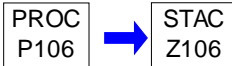
\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: COAL STORAGE PILE

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The former coal storage pile of Source ID P106 is the outdoor area where bituminous coal was kept after being delivered to the facility either by railcar or by truck before being conveyed to processing mills for use in units #1 and #2 (Sources ID 031 and 032).

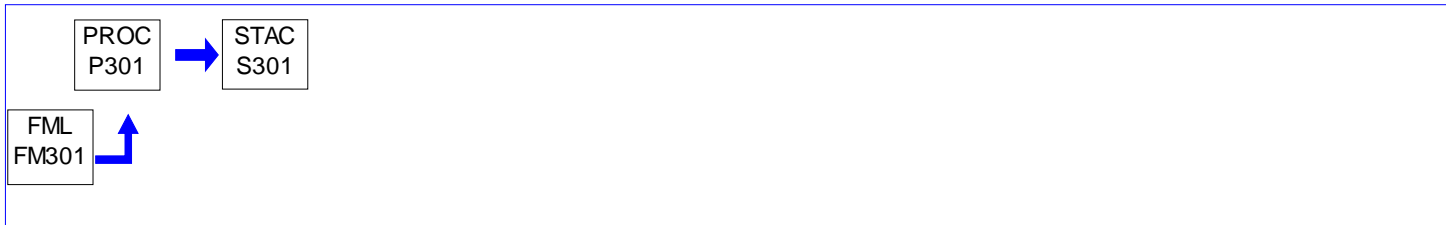
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P301

Source Name: TWO (2) DIESEL-FIRED ENGINE-PUMPS

Source Capacity/Throughput:

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

No person may permit the emission of particulate matter from each engine associated with Source ID P301 into the outdoor atmosphere in a manner that the concentration in the engine's exhaust exceeds 0.04 grain per dry standard cubic foot.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from each engine associated with Source ID P301 in a manner that the concentration of the sulfur oxides in the engine's exhaust exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to the best available technology provision of 25 Pa. Code Sections 127.1 and 127.12, the emissions from each of the diesel-fired engines associated with Source ID P301 shall not exceed:

- a) 6.9 grams of nitrogen oxides (NO<sub>x</sub>) per brake horsepower-hour and 0.7 ton in any 12 consecutive month period
- b) 2.0 grams of carbon monoxide (CO) per brake horsepower-hour and 0.202 ton in any 12 consecutive month period
- c) 1.0 gram of total hydrocarbons per brake horsepower-hour and 0.101 ton in any 12 consecutive month period
- d) 0.4 gram of particulate matter (including particulate matter with an aerodynamic diameter of less than or equal to 10 microns) per brake horsepower-hour and 0.041 ton in any 12 consecutive month period.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal co**

The permittee shall operate Source ID P301 in a manner such that the rate of emissions do not exceed the following limitations:

- (i) Nitrogen Oxide and Non-methane Hydrocarbons (NO<sub>x</sub> + NMHC)- 7.8 grams per horsepower-hour
- (ii) Carbon Monoxide (CO) - 2.6 grams per horsepower-hour
- (iii) Particulate Matter (PM) - 0.40 grams per horsepower-hour

**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Compliance with the requirements of this streamlined permit condition will assure compliance with the provisions of 40 CFR §§ 60.4207 and 1090.305(b)]

(a) Pursuant to the best available technology provision of 25 Pa. Code Sections 127.1 and 127.12, the diesel engines shall only be fired on virgin diesel fuel or #2 fuel oil to which no reclaimed or reporecessed oil or other waste materials have been added. Additionally, the sulfur content shall not, at any time, exceed 0.0015% (by weight).

**SECTION D. Source Level Requirements**

(b) The diesel fuel fired in Source ID P301 shall comply with one of the following per-gallon standards:

- (i) A minimum cetane index of 40; or
- (ii) A maximum aromatic content of 35 volume percent.

**Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

Pursuant to the best available technology provision of 25 Pa. Code Sections 127.1 and 127.12, each diesel-fired engine included in Source ID P301 shall not operate equal to or in excess of 500 hours in any 12 consecutive month period.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall operate Source ID P301 according to the requirements in paragraphs (1) through (3). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3), is prohibited.

(1) There is no time limit on the use of Source ID P301 in emergency situations, except the 500 hour per 12 consecutive month period limitation on total operation of the engine as established under BAT/RACT.

(2) The permittee may operate Source ID P301 for the purposes specified in paragraphs (2)(i) and (3) for a combined maximum of 100 hours per calendar year.

(i) Source ID P301 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 permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P301 beyond 100 hours per calendar year.

(3) Source ID P301 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2). Except as provided in 40 CFR 60.4211(f)(3)(i), 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.

**II. TESTING REQUIREMENTS.****# 008 [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 perform tests or obtain a fuel certification report of the percent sulfur by weight of each delivery of #2 oil or diesel fuel for the engines associated with Source ID 301. OR The permittee shall keep records of fuel certification reports obtained yearly from the #2 fuel oil or diesel fuel supplier containing the name of the supplier and stating that the sulfur percentage for each shipment of fuel delivered to the facility for the engines associated with Source ID P301 during the year shall not exceed 0.0015% by weight.

(b) All testing and certification reports shall be in accordance with the provisions of 25 Pa. Code Chapter 139.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115(f)]

(a) The permittee shall maintain comprehensive and accurate records of the number of hours that each diesel-fired engine associated with Source ID P301 operates each month as well as the amount and type of fuel used in each diesel-fired engine associated with Source ID P301 each month.

(b) The permittee shall create and maintain records of the maintenance conducted on each engine of Source ID P301.

**# 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 test analyses or fuel oil certifications for FML301 to verify compliance with the 0.0015% by weight sulfur content limitation, of the #2 fuel oil or diesel fuel used to operate the engines associated with Source ID P301.

(b) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.511 and 129.115(f)]

(a) The permittee shall submit the annual hours of operation for the engines included in Source ID P301.

The annual report shall be submitted to the Department no later than March 1 for the preceding year.

**VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall maintain and operate the emergency engines in accordance with the manufacturers' specifications and good air pollution control practices. Compliance with this requirement shall additionally be considered as part of RACT for this source.

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

Pursuant to 40 CFR § 60.4211(b), the permittee shall demonstrate compliance with the requirements of NSPS Subpart IIII for Source ID P301 according to one of the following methods:

(1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed

**SECTION D. Source Level Requirements**

correctly.

(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the following for Source ID P301:

(1) Operate and maintain Source ID P301 according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the applicable requirements of 40 CFR parts 89, 94 and/or 1068.

**VII. ADDITIONAL REQUIREMENTS.**

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The reciprocating internal combustion engines included in Source ID P301 are subject to 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The permittee shall comply with all applicable requirements of 40 CFR §§ 60.4200 - 60.4219 for Source ID P301.

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P301 consists of two (2) 210 bhp John Deere Model JU6H-UF50 diesel-fired engines which are certified fire pump engines.

**# 017 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The reciprocating internal combustion engines included in Source ID P301 are subject to 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Pursuant to 40 CFR §63.6590(c)(6), the permittee shall meet the requirements of Subpart ZZZZ through compliance with the requirements of 40 CFR Part 60 Subpart IIII. No further requirements apply for Source ID P301 under Subpart ZZZZ.

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

**SECTION D. Source Level Requirements**

Source ID: P302

Source Name: EMERGENCY SERVICE WATER PUMP 1A

Source Capacity/Throughput:

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

No person may permit the emission of particulate matter from each engine associated with Source ID P302 into the outdoor atmosphere in a manner that the concentration in the engine's exhaust exceeds 0.04 grain per dry standard cubic foot.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from each engine associated with Source ID P302 in a manner that the concentration of the sulfur oxides in the engine's exhaust exceeds 500 parts per million, by volume, dry basis.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall operate Source ID P302 in a manner such that the rate of emissions do not exceed the following limitations:

- (i) Nitrogen Oxide and Non-methane Hydrocarbons (NO<sub>x</sub> + NMHC)- 3.0 grams per horsepower-hour
- (ii) Particulate Matter (PM) - 0.15 grams per horsepower-hour

**Fuel Restriction(s).****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this permit?**

[Compliance with the requirements of this streamlined permit condition will assure compliance with the provisions of 40 CFR 1090.305(b)]

All diesel fuel fired in Source ID P302 shall comply with the following per-gallon standards:

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

**Operation Hours Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall not operate Source ID P302 equal to or in excess of 500 hours in any 12 consecutive month period.



**SECTION D. Source Level Requirements**

Compliance with this requirement shall additionally be considered as part of RACT for this source.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall operate Source ID P302 according to the requirements in paragraphs (1) through (3). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3), is prohibited.

(1) There is no time limit on the use of Source ID P302 in emergency situations, except the 500 hour per 12 consecutive month period limitation on total operation of the engine as established under RACT.

(2) The permittee may operate Source ID P302 for the purposes specified in paragraphs (2)(i) and (3) for a combined maximum of 100 hours per calendar year.

(i) Source ID P302 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 permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P302 beyond 100 hours per calendar year.

(3) Source ID P302 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2). Except as provided in 40 CFR 60.4211(f)(3)(i), 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.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.115(f)]

(a) The permittee shall maintain comprehensive and accurate records of the number of hours that the diesel-fired engine associated with Source ID P302 operates on an annual basis as well as the amount and type of fuel used in the diesel-fired engine associated with Source ID P302 on an annual basis.

(b) The permittee shall create and maintain records of the maintenance conducted on Source ID P302.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.511 and 129.115(f)]

(a) The permittee shall submit the annual hours of operation for the engine included in Source ID P302.

The annual report shall be submitted to the Department no later than March 1 for the preceding year.

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

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

The permittee shall maintain and operate the emergency engine in accordance with the manufacturers' specifications and good air pollution control practices. Compliance with this requirement shall additionally be considered as part of RACT for this source.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall comply with the following for Source ID P302:

- (1) Operate and maintain Source ID P302 according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the applicable requirements of 40 CFR parts 89, 94 and/or 1068.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

Pursuant to 40 CFR § 60.4211(b), the permittee shall demonstrate compliance with the requirements of NSPS Subpart IIII for Source ID P302 according to one of the following methods:

- (1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.
- (2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.
- (3) Keeping records of engine manufacturer data indicating compliance with the standards.
- (4) Keeping records of control device vendor data indicating compliance with the standards.
- (5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

**VII. ADDITIONAL REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The reciprocating internal combustion engine included in Source ID P302 is subject to 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The permittee shall comply with all applicable requirements of 40 CFR §§ 60.4200 - 60.4219 for Source ID P302.

**SECTION D. Source Level Requirements****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P302 consists of one (1) emergency water pump powered by a 525 bhp diesel-fired engine.

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

The reciprocating internal combustion engine included in Source ID P302 is subject to 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Pursuant to 40 CFR §63.6590(b)(1)(i), the permittee shall comply with the initial notification requirement specified in 40 CFR §63.6645(f) for Source ID P302. No further requirements apply for Source ID P302 under Subpart ZZZZ.

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

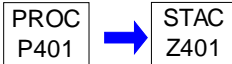
**SECTION D. Source Level Requirements**

Source ID: P401

Source Name: NATURAL GAS PIPELINE AND ANCILLARY EQUIPMENT

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GAS CONVERSION RQMTS

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the total emissions of Volatile Organic Compounds from the equipment included in Source ID P401 shall not exceed 1.36 tons in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

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

(a) The permittee shall conduct a monthly auditory, visual, and olfactory (AVO) inspection during regular business hours around the periphery of the gas metering & regulating yard included in Source ID P401 during daylight hours in order to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants.

(b) The permittee shall conduct an AVO inspection of the gas conditioning yard as part of the inspection of the around the periphery of the Montour Steam Electric Station required by Title V Operating Permit 47-00001.

(c) The frequency of AVO inspections of the equipment included in Source ID P401 may be revised based on a demonstrated history of consistent results or a significant change in the level of natural gas throughput in any equipment included in Source ID P401.

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§123.1, 127.1 and 127.12]

(a) For each aboveground piping component upstream of the gas conditioning yard pressure reduction valve which is under the control of the permittee and that has the potential to emit fugitive emissions of natural gas, the following applies:

(i) No later than 60 days after initial startup, and semiannually thereafter, the permittee shall conduct a Leak Detection and Repair (LDAR) program using either an OGI camera, a gas leak detector that meets the requirements of 40 CFR Part 60, Appendix A-7, Method 21, or other leak detection methods approved by the Division of Source Testing and Monitoring.

(A) The permittee may request, in writing, an extension of the LDAR inspection interval from the Air Program Manager of the appropriate DEP Regional Office.

(B) Any fugitive emissions components that are difficult-to-monitor or unsafe-to-monitor must be identified in the fugitive

**SECTION D. Source Level Requirements**

emissions monitoring plan for the facility.

(ii) The detection devices must be operated and maintained in accordance with manufacturer-recommended procedures, as required by the test method, or a Department-approved method.

(iii) A leak is defined as:

(A) Any positive indication, whether audible, visual, or odorous, determined during an AVO inspection;

(B) Any visible emissions detected by an OGI camera calibrated according to 40 CFR § 60.18 and a detection sensitivity level of 60 grams/hour; or

(C) A concentration of 500 ppm calibrated as methane or greater detected by an instrument reading.

(iv) For semi-annual inspections using a gas leak detector in accordance with 40 CFR Part 60, Appendix A-7, Method 21, the permittee may choose to adjust the detection instrument readings to account for the background organic concentration level as determined according to the procedures in Section 8.3.2.

(v) Any leak detected from a fugitive emission component shall be repaired by the permittee as expeditiously as practicable. A first attempt at repair must be attempted within 5 calendar days of detection, and repair must be completed no later than 15 calendar days after the leak is detected unless:

(A) The permittee must purchase parts, in which case the repair must be completed no later than 10 calendar days after the receipt of the purchased parts; or

(B) The repair or replacement is technically infeasible, would require a facility shutdown, or would be unsafe to repair during operation of the unit, in which case the repair or replacement must be completed during the next scheduled facility shutdown or within 2 years, whichever is earlier.

(vi) Once a fugitive emission component has been repaired or replaced, the permittee must resurvey the component as soon as practicable, but no later than 30 calendar days after the leak is repaired.

(A) For repairs that cannot be made during the monitoring survey when the leak is initially found, either a digital photograph must be taken of the component or the component must be tagged for identification purposes.

(B) A leak is considered repaired if any of the following apply:

(1) There are no detectable emissions consistent with Section 8.3.2 of 40 CFR Part 60, Appendix A-7, Method 21;

(2) A leak concentration of less than 500 ppm as methane is detected when the gas leak detector probe inlet is placed at the surface of the component;

(3) There is no visible leak image when using an OGI camera calibrated at a detection sensitivity level of 60 grams/hour;

(4) There is no bubbling at the leak interface using a soap solution bubble test specified in Section 8.3.3 of 40 CFR Part 60, Appendix A-7, Method 21.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

All records generated to verify compliance with the conditions of this plan approval shall be kept for minimum of five (5) years and shall be available upon request by the Department.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

The permittee shall obtain and maintain records of the current, valid purchase contract, tariff sheet, or transportation contract from the natural gas supplier that provide the necessary Btu heat content and sulfur content of the supplied natural gas to calculate air pollutant emissions on a 12-consecutive month basis.

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

(a) The permittee shall calculate and record the combined monthly VOC emissions from Source ID P401 by using emission factors established by the US EPA (or alternative source with the Department's prior approval) and natural gas composition data. The permittee shall maintain records of the monthly VOC emissions.

(b) The permittee shall calculate and record the combined cumulative VOC emissions from Source ID P401 for each 12-consecutive month period. The permittee shall maintain records of the combined cumulative VOC emissions from Source ID P401 for each 12-consecutive month period in order to demonstrate compliance with the limit on the combined VOC emissions.

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

The permittee shall develop a fugitive emissions monitoring plan that covers the collection of aboveground piping components upstream of the gas conditioning yard pressure reduction valve which are under the control of the permittee and that have the potential to emit fugitive emissions of natural gas in accordance with the following:

(a) The fugitive emissions monitoring plan must include the elements specified in items (a)(1) through (12), at a minimum:

(1) Frequency for conducting surveys.

(2) Technique for determining fugitive emissions (i.e., Method 21 at 40 CFR part 60, appendix A-7, or optical gas imaging).

(3) Manufacturer and model number of fugitive emissions detection equipment to be used.

(4) Procedures and timeframes for identifying and repairing fugitive emissions components from which fugitive emissions are detected, including timeframes for fugitive emission components that are unsafe to repair.

(5) Procedures and timeframes for verifying fugitive emission component repairs.

(6) Records that will be kept and the length of time records will be kept.

(7) If using optical gas imaging, the plan must also include the elements specified in (a)(7)(i) through (vii) below.

(i) Verification that the optical gas imaging equipment meets the specifications of (a)(7)(i)(A) and (a)(7)(i)(B). This verification is an initial verification and may either be performed by the facility, by the manufacturer, or by a third party. For the purposes of complying with the fugitives emissions monitoring program with optical gas imaging, a fugitive emission is defined as any visible emissions observed using optical gas imaging.

(A) The optical gas imaging equipment must be capable of imaging gases in the spectral range for the compound of highest concentration in the potential fugitive emissions.

(B) The optical gas imaging equipment must be capable of imaging a gas that is half methane, half propane at a concentration of 10,000 ppm at a flow rate of =60g/hr from a quarter inch diameter orifice.

(ii) Procedure for a daily verification check.

(iii) Procedure for determining the operator's maximum viewing distance from the equipment and how the operator will ensure that this distance is maintained.

(iv) Procedure for determining maximum wind speed during which monitoring can be performed and how the operator will ensure monitoring occurs only at wind speeds below this threshold.

**SECTION D. Source Level Requirements**

(v) Procedures for conducting surveys, including the items specified in paragraphs (a)(7)(v)(A) through (C) of this section.

(A) How the operator will ensure an adequate thermal background is present in order to view potential fugitive emissions.

(B) How the operator will deal with adverse monitoring conditions, such as wind.

(C) How the operator will deal with interferences (e.g., steam).

(vi) Training and experience needed prior to performing surveys.

(vii) Procedures for calibration and maintenance. At a minimum, procedures must comply with those recommended by the manufacturer.

(8) If using Method 21 of appendix A-7 of 40 CFR Part 60, the plan must also include the elements specified in items (a)(8)(i) and (ii). For the purposes of complying with the fugitive emissions monitoring program using Method 21 a fugitive emission is defined as an instrument reading of 500 ppm or greater.

(i) Verification that the monitoring equipment meets the requirements specified in Section 6.0 of Method 21 at 40 CFR part 60, appendix A-7. For purposes of instrument capability, the fugitive emissions definition shall be 500 ppm or greater methane using a FID-based instrument. If the permittee wishes to use an analyzer other than a FID-based instrument, the permittee shall develop a site-specific fugitive emission definition that would be equivalent to 500 ppm methane using a FID-based instrument (e.g., 10.6 eV PID with a specified isobutylene concentration as the fugitive emission definition would provide equivalent response to your compound of interest).

(ii) Procedures for conducting surveys. At a minimum, the procedures shall ensure that the surveys comply with the relevant sections of Method 21 at 40 CFR part 60, appendix A-7, including Section 8.3.1.

(9) Sitemap.

(10) A defined observation path that ensures that all fugitive emissions components are within sight of the path. The observation path must account for interferences.

(11) If using Method 21, the fugitive emissions monitoring plan must also include a list of fugitive emissions components to be monitored and method for determining location of fugitive emissions components to be monitored in the field (e.g. tagging, identification on a process and instrumentation diagram, etc.).

(12) The plan must also include the written plan developed for all of the fugitive emission components designated as difficult-to-monitor, and the written plan for fugitive emission components designated as unsafe-to-monitor.

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

(a) The permittee shall create and maintain the records pertaining to each fugitive emissions monitoring survey conducted pursuant to the LDAR program which must include:

(i) The facility name and location;

(ii) The permit authorization number;

(iii) The date, start time, and end time of the survey;

(iv) The name of the operator(s) performing the survey;

(v) The monitoring instrument used;

**SECTION D. Source Level Requirements**

- (vi) The ambient temperature, sky conditions, and maximum wind speed at the time of the survey;
- (vii) Any deviations from the monitoring plan or a statement that there were none; and
- (viii) Documentation of each fugitive emission including:
  - (A) The identification of each component from which fugitive emissions were detected;
  - (B) The instrument reading of each fugitive emissions component that meets the definition of a leak;
  - (C) The status of repair of each component including:
    - (1) The repair methods applied in each attempt to repair the component;
    - (2) The tagging or digital photographing of each component not repaired during the monitoring survey in which the fugitive emissions were discovered;
    - (3) The reasons a component was placed on delay of repair;
    - (4) The date of successful repair of the component; and
    - (5) The information on the instrumentation or method used to resurvey the component after repair, if it was not completed during the monitoring survey in which the fugitive emissions were discovered.

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

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

The permittee shall not utilize any continuous bleed natural gas-driven pneumatic controllers in Source ID P401.

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

At all times, the permittee shall maintain and operate all equipment included in Source ID P401 in a manner consistent with good air pollution control practice for minimizing emissions and in compliance with all applicable federal, state, and local laws and regulations pertaining to natural gas transmission equipment.

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

Source ID P401 is a 17-mile natural gas pipeline used to transport natural gas from a main natural gas transmission line to the Montour Steam Electric Station. Source ID P401 also includes a gas metering and regulating (M&R) yard and a gas conditioning yard which contain the following ancillary equipment and sources of emissions:

- (a) One (1) odorant injection system w/ one bulk storage tank
- (b) One (1) 500-gallon natural gas condensate tank
- (c) Approximately five (5) natural gas actuated valves
- (d) Approximately six-hundred eighty (680) piping components
- (e) Periodic pipeline cleanouts



**SECTION D. Source Level Requirements**

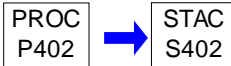
\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P402

Source Name: 267 BHP CAT DG175 GC GAS CONDITIONING YARD EMER GEN

Source Capacity/Throughput:

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

No person may permit the emission of particulate matter from the exhaust of Source ID P402 into the outdoor atmosphere in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

**# 002 [25 Pa. Code §123.31]****Limitations**

No person may permit the emission from the exhaust of Source ID P402 into the outdoor atmosphere in a manner that the concentration of the sulfur oxides (SOX), expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The total combined NO<sub>x</sub> emissions from Source ID P402 shall not equal or exceed 100 pounds per hour, 1000 pounds per day, 2.75 tons per ozone season, or 6.6 tons in any 12 consecutive month period.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

The air contaminant emissions from Source ID P402 shall not exceed the following limitations:

- (1) Nitrogen oxides - 2.0 grams per brake horsepower-hour.
- (2) Carbon monoxide - 4.0 grams per brake horsepower-hour.
- (3) Volatile Organic Compounds (excluding formaldehyde) - 1.0 gram per brake horsepower-hour

**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P402 shall only be fired on natural gas.

**Operation Hours Restriction(s).****# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall operate Source ID P402 according to the requirements in paragraphs (1) through (3). Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3), is prohibited.

- (1) There is no time limit on the use of Source ID P402 in emergency situations.
- (2) The permittee may operate Source ID P402 for the purposes specified in paragraphs (2)(i) and (3) for a combined maximum of 100 hours per calendar year.

**SECTION D. Source Level Requirements**

(i) Source ID P402 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 permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P402 beyond 100 hours per calendar year.

(3) Source ID P402 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2). Except as provided in 40 CFR 60.4243(d)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or nonemergency 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.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?**

Source ID P402 shall be equipped with a non-resettable hour meter.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall keep records pertaining to Source ID P402 as specified in 40 CFR § 60.4245.

**V. REPORTING REQUIREMENTS.**

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall submit notifications and reports pertaining to Source ID P402 as specified in 40 CFR § 60.4245.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall operate and maintain Source ID P402 according to the manufacturer's emission-related written instructions, and also keep records of conducted maintenance to demonstrate compliance.

**VII. ADDITIONAL REQUIREMENTS.**

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P402 consists of one Caterpillar model DG175 GC emergency generator set powered by a 267 bhp natural gas-

**SECTION D. Source Level Requirements**

fired internal combustion engine.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]  
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines  
Am I subject to this subpart?**

Source ID P402 is subject to 40 CFR Part 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. Source ID P402 shall comply with all applicable requirements specified in 40 CFR Sections 60.4230 through 60.4248.

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

**SECTION E. Source Group Restrictions.**

Group Name: ACID RAIN

Group Description: Acid Rain Conditions

Sources included in this group

ID	Name
031	CE BOILER - UNIT 1
032	CE BOILER - UNIT 2

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.531]****Special conditions related to acid rain.**

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

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

**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 §127.531]****Special conditions related to acid rain.**

The permittee shall comply with all applicable record keeping requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act and the Title IV Phase II Acid Rain Permit (TIVOP 47-00001) renewed on April 23, 2025.

**V. REPORTING REQUIREMENTS.****# 003 [25 Pa. Code §127.531]****Special conditions related to acid rain.**

The permittee shall comply with all applicable reporting requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act and the Title IV Phase II Acid Rain Permit (TIVOP 47-00001) renewed on April 23, 2025.

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.531]****Special conditions related to acid rain.**

The permittee shall comply with all applicable requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act and the Title IV Phase II Acid Rain permit (TIVOP 47-00001) renewed on April 23, 2025, including all applicable provisions from the following:

40 CFR Part 72	Permit Regulation
40 CFR Part 73	Sulfur Dioxide Allowance System
40 CFR Part 75	Continuous Emission Monitoring
40 CFR Part 76	Nitrogen Oxides Emission Reduction Program
40 CFR Part 77	Excess Emissions

Attached to this permit (TVOP 47-00001) is the Phase II Title IV (Acid Rain) permit (TIVOP 47-00001) in its entirety, renewed on April 23, 2025. Certain requirements from the Acid Rain permit have been reiterated in the body of the Title V permit for emphasis. The entire Title IV permit is incorporated into this Title V permit by inclusion.

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

**SECTION E. Source Group Restrictions.**

Group Name: CEMS

Group Description: CEMS Testing, Monitoring, Recordkeeping and Reporting Requirements

Sources included in this group

ID	Name
031	CE BOILER - UNIT 1
032	CE BOILER - 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.****# 001 [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 comply with all applicable testing requirements specified in 25 Pa. Code Chapter 139 and the Departments "Continuous Source Monitoring Manual".

**III. MONITORING REQUIREMENTS.****# 002 [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 comply with all applicable monitoring requirements specified in 25 Pa. Code Chapter 139 and the Departments "Continuous Source Monitoring Manual".

**# 003 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.10]****Subpart B--Monitoring Provisions****General operating requirements.**

The requirements in 40 CFR § 75.10 apply.

**# 004 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.11]****Subpart B--Monitoring Provisions****Specific provisions for monitoring SO<sub>2</sub> emissions (SO<sub>2</sub> and flow monitors).**

The requirements in 40 CFR § 75.11 apply except for 40 CFR § 75.11(f).

**# 005 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.12]****Subpart B--Monitoring Provisions****Specific provisions for monitoring NO<sub>x</sub> emissions (NO<sub>x</sub> and diluent gas monitors).**

The requirements in 40 CFR § 75.12(a), (b) and (c) apply.

**# 006 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.13]****Subpart B--Monitoring Provisions****Specific provisions for monitoring CO<sub>2</sub> emissions.**

The requirements in 40 CFR § 75.13(a) apply.

**# 007 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.14]****Subpart B--Monitoring Provisions****Specific provisions for monitoring opacity.**

The requirements in 40 CFR § 75.14(a) and (b) apply.

**# 008 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.2]****Subpart A--General****Applicability.**

The requirements in 40 CFR § 75.2 apply.

**# 009 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.20]****Subpart C--Operation and Maintenance Requirements**

**SECTION E. Source Group Restrictions.****Certification and recertification procedures.**

The requirements in 40 CFR § 75.20 apply except for 40 CFR § 75.20(e), (f) and (g).

**# 010 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.21]****Subpart C--Operation and Maintenance Requirements****Quality assurance and quality control requirements.**

The requirements in 40 CFR § 75.21(a)(1), (a)(2), (a)(3) and (a)(6) through (a)(10) apply.

**# 011 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.22]****Subpart C--Operation and Maintenance Requirements****Reference test methods.**

The requirements in 40 CFR § 75.22 apply.

**# 012 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.24]****Subpart C--Operation and Maintenance Requirements****Out-of-control periods.**

The requirements in 40 CFR § 75.24 apply.

**# 013 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.30]****Subpart D--Missing Data Substitution Procedures****General provisions.**

The requirements in 40 CFR § 75.30 apply.

**# 014 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.4]****Subpart A--General****Compliance dates.**

The requirements in 40 CFR § 75.4(a)(3) apply.

**# 015 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.53]****Subpart F--Recordkeeping Requirements****Monitoring plan.**

The requirements in 40 CFR § 75.53 apply.

**# 016 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.60]****Subpart G--Reporting Requirements****General provisions.**

The requirements in 40 CFR § 75.60 apply.

**# 017 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.62]****Subpart G--Reporting Requirements****Monitoring plan.**

The requirements in 40 CFR § 75.62 apply.

**# 018 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.63]****Subpart G--Reporting Requirements****Initial certification or recertification application.**

The requirements in 40 CFR § 75.63 apply.

**# 019 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.64]****Subpart G--Reporting Requirements****Quarterly reports.**

The requirements in 40 CFR § 75.64 apply.

**# 020 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.65]****Subpart G--Reporting Requirements****Opacity reports.**

The requirements in 40 CFR § 75.65 apply.



**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 021 [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 comply with all applicable recordkeeping requirements specified in 25 Pa. Code Chapter 139 and the Departments "Continuous Source Monitoring Manual".

**V. REPORTING REQUIREMENTS.****# 022 [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 comply with all applicable reporting requirements specified in 25 Pa. Code Chapter 139 and the Departments "Continuous Source Monitoring Manual".

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 123.25, 123.51, 129.95]

(a) The permittee shall install, calibrate, maintain and operate continuous monitoring systems for measuring the sulfur dioxide emissions, nitrogen oxide emissions, either oxygen or carbon dioxide concentration and volumetric flow in accordance with all applicable requirements specified in 25 Pa. Code Chapter 139, the Department's "Continuous Source Monitoring Manual" and 40 CFR Part 75.

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

**SECTION E. Source Group Restrictions.**

Group Name: CSAPR

Group Description: Cross State Air Pollution Rule

**Sources included in this group**

ID	Name
031	CE BOILER - UNIT 1
032	CE BOILER - 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.**

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.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 97.404, 97.604, and 97.804]

The Cross State Air Pollution Rule (CSAPR) subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following. These unit(s) are subject to the requirements for the CSAPR NOX Annual Trading Program, CSAPR SO<sub>2</sub> Group 1 Trading Program, and CSAPR NOX Ozone Season Group 2 Trading Program.

(a) 031 C-E Unit 1 – NOX, SO<sub>2</sub>, and heat input are monitored per Continuous Emission Monitoring System or Systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart B (for SO<sub>2</sub> monitoring) and 40 CFR Part 75, Subpart H (for NOX monitoring).

(b) 032 C-E Unit 2 – NOX, SO<sub>2</sub>, and heat input are monitored per Continuous Emission Monitoring System or Systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart B (for SO<sub>2</sub> monitoring) and 40 CFR Part 75, Subpart H (for NOX monitoring).

1. The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR 97.430 through 97.435 (CSAPR NOX Annual Trading Program), 40 CFR 97.630 through 97.635 (CSAPR SO<sub>2</sub> Group 1 Trading Program), and 40 CFR 97.830 through 97.835 (CSAPR NOX Ozone Season Group 2 Trading Program), as applicable. The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the

**SECTION E. Source Group Restrictions.**

applicable CSAPR trading programs.

2. Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at <https://www.epa.gov/airmarkets/monitoring-plans-part-75-sources>.

3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR part 75, subpart E and 40 CFR 75.66 and 40 CFR 97.435 (CSAPR NOX Annual Trading Program), 40 CFR 97.635 (CSAPR SO<sub>2</sub> Group 1 Trading Program), and 40 CFR 97.835 (CSAPR NOX Ozone Season Group 2 Trading Program), as applicable. The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <https://www.epa.gov/airmarkets/part-75-petition-responses>.

4. Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.430 through 97.434 (CSAPR NOX Annual Trading Program), 40 CFR 97.630 through 97.634 (CSAPR SO<sub>2</sub> Group 1 Trading Program), and 40 CFR 97.830 through 97.834 (CSAPR NOX Ozone Season Group 2 Trading Program), as applicable must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 40 CFR 97.435 (CSAPR NOX Annual Trading Program), 40 CFR 97.635 (CSAPR SO<sub>2</sub> Group 1 Trading Program), and 40 CFR 97.835 (CSAPR NOX Ozone Season Group 2 Trading Program), as applicable. The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at <https://www.epa.gov/airmarkets/part-75-petition-responses>.

5. The descriptions of monitoring applicable to the units included above meet the requirements of 40 CFR 40 CFR 97.430 through 97.434 (CSAPR NOX Annual Trading Program), 40 CFR 97.630 through 97.634 (CSAPR SO<sub>2</sub> Group 1 Trading Program), and 40 CFR 97.830 through 97.834 (CSAPR NOX Ozone Season Group 2 Trading Program), as applicable, and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.

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

Sources within this source group that are subject to 40 CFR Part 97 shall comply with the currently applicable requirements of Part 97.

**# 003 [40 CFR Part 97 NO<sub>x</sub> Budget Trading Program and CAIR NO<sub>x</sub> and SO<sub>2</sub> Trading Programs §40 CFR 97.406]****Subpart AAAAA - CSAPR 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 40 CFR 97.413 through 97.418.

**(b) EMISSIONS MONITORING, REPORTING, AND RECORDKEEPING REQUIREMENTS**

(1) The owners and operators, and the designated representative, of each CSAPR NOX Annual source and each CSAPR NOX Annual unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.430 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.431 (initial monitoring system certification and recertification procedures), 97.432 (monitoring system out-of-control periods), 97.433 (notifications concerning monitoring), 97.434 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.435 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.430 through 97.435 shall be used to calculate allocations of CSAPR NOX Annual allowances under 40 CFR 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) below, 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 40 CFR 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) NO<sub>x</sub> EMISSIONS REQUIREMENTS**

(1) CSAPR NOX Annual emissions limitation.

**SECTION E. Source Group Restrictions.**

(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 40 CFR 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) above, 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 40 CFR 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 40 CFR part 97, subpart AAAAA 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 the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NOX emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NOX Annual allowances available for deduction for such control period under 40 CFR 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 40 CFR 97.425(b), of multiplying—

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

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

(ii) The owners and operators shall hold the CSAPR NOX Annual allowances required under paragraph (c)(2)(i) above, 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 such control period.

(iii) Total NOX emissions from all CSAPR NOX Annual units at CSAPR NOX Annual sources in the 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 40 CFR 97.410(a) and the state's variability limit under 40 CFR 97.410(b).

(iv) It shall not be a violation of 40 CFR part 97, subpart AAAAA or of the Clean Air Act if total NOX emissions from all CSAPR NOX Annual units at CSAPR NOX Annual sources in the 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 the 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) above,

(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) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart AAAAA and the Clean Air Act.

(3) Compliance periods.

(i) A CSAPR NOX Annual unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of January 1, 2015, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 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) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.430(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i) A CSAPR NOX Annual allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a CSAPR NOX Annual allowance that was allocated for such control period or a

**SECTION E. Source Group Restrictions.**

control period in a prior year.

(ii) A CSAPR NOX Annual allowance held for compliance with the requirements under paragraphs (c)(1)(ii)(A) and (2)(i) through (iii) above for a control period in a given year must be a CSAPR NOX Annual allowance that was allocated 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 40 CFR part 97, subpart AAAAA.

(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 40 CFR part 97, 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 REVISION 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 40 CFR part 97, subpart AAAAA.

(2) This permit incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.430 through 97.435, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of CSAPR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.406(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

**(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 40 CFR 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 40 CFR 97.416 changing the designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR part 97, subpart AAAAA.

(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 40 CFR 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 40 CFR parts 70 and 71.

**(f) LIABILITY**

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

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

**(g) EFFECT ON OTHER AUTHORITIES**

No provision of the CSAPR NOX Annual Trading Program or exemption under 40 CFR 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.

**SECTION E. Source Group Restrictions.****# 004 [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 40 CFR 97.613 through 97.618.

**(b) EMISSIONS MONITORING, REPORTING, AND RECORDKEEPING REQUIREMENTS**

(1) The owners and operators, and the designated representative, of each CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.630 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.631 (initial monitoring system certification and recertification procedures), 97.632 (monitoring system out-of-control periods), 97.633 (notifications concerning monitoring), 97.634 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.635 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.630 through 97.635 shall be used to calculate allocations of CSAPR SO2 Group 1 allowances under 40 CFR 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) below, 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 40 CFR 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 emissions limitation.**

(i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR SO2 Group 1 source and each CSAPR SO2 Group 1 unit at the source shall hold, in the source's compliance account, CSAPR SO2 Group 1 allowances available for deduction for such control period under 40 CFR 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) above, 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 40 CFR 97.624(d); and

(B) The owners and operators of the source and each CSAPR SO2 Group 1 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation 40 CFR part 97, subpart CCCCC 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 the 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 40 CFR 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 40 CFR 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 or such control period, by which each common designated representative's share of such SO2 emissions exceeds the respective common designated representative's assurance level; and

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

(ii) The owners and operators shall hold the CSAPR SO2 Group 1 allowances required under paragraph (c)(2)(i) above, 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 such control period.

(iii) Total SO2 emissions from all CSAPR SO2 Group 1 units at CSAPR SO2 Group 1 sources in the state during a



**SECTION E. Source Group Restrictions.**

control period in a given year exceed the state assurance level if such total SO<sub>2</sub> emissions exceed the sum, for such control period, of the state SO<sub>2</sub> Group 1 trading budget under 40 CFR 97.610(a) and the state's variability limit under 40 CFR 97.610(b).

(iv) It shall not be a violation of 40 CFR part 97, subpart CCCCC or of the Clean Air Act if total SO<sub>2</sub> emissions from all CSAPR SO<sub>2</sub> Group 1 units at CSAPR SO<sub>2</sub> Group 1 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total SO<sub>2</sub> emissions from the CSAPR SO<sub>2</sub> Group 1 units at CSAPR SO<sub>2</sub> Group 1 sources in the 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 SO<sub>2</sub> Group 1 allowances for a control period in a given year in accordance with paragraphs (c)(2)(i) through (iii) above,

(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 SO<sub>2</sub> Group 1 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart CCCCC and the Clean Air Act.

(3) Compliance periods.

(i) A CSAPR SO<sub>2</sub> Group 1 unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

(ii) A CSAPR SO<sub>2</sub> Group 1 unit shall be subject to the requirements under paragraph (c)(2) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.630(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

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

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

(5) Allowance Management System requirements. Each CSAPR SO<sub>2</sub> Group 1 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart CCCCC.

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

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

(ii) Notwithstanding any other provision of 40 CFR part 97, subpart CCCCC, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

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

**(d) TITLE V PERMIT REVISION REQUIREMENTS**

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of CSAPR SO<sub>2</sub> Group 1 allowances in accordance with 40 CFR part 97, subpart CCCCC.

(2) This permit incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.630 through 97.635, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR part 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of CSAPR Monitoring Provisions for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.606(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

**(e) ADDITIONAL RECORDKEEPING AND REPORTING REQUIREMENTS**

(1) Unless otherwise provided, the owners and operators of each CSAPR SO<sub>2</sub> Group 1 source and each CSAPR SO<sub>2</sub> 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 40 CFR 97.616 for the designated representative for the source and each

**SECTION E. Source Group Restrictions.**

CSAPR SO<sub>2</sub> 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 40 CFR 97.616 changing the designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR part 97, subpart CCCCC.

(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 SO<sub>2</sub> Group 1 Trading Program.

(2) The designated representative of a CSAPR SO<sub>2</sub> Group 1 source and each CSAPR SO<sub>2</sub> Group 1 unit at the source shall make all submissions required under the CSAPR SO<sub>2</sub> Group 1 Trading Program, except as provided in 40 CFR 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 40 CFR parts 70 and 71.

**(f) LIABILITY**

(1) Any provision of the CSAPR SO<sub>2</sub> Group 1 Trading Program that applies to a CSAPR SO<sub>2</sub> Group 1 source or the designated representative of a CSAPR SO<sub>2</sub> Group 1 source shall also apply to the owners and operators of such source and of the CSAPR SO<sub>2</sub> Group 1 units at the source.

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

**(g) EFFECT ON OTHER AUTHORITIES**

No provision of the CSAPR SO<sub>2</sub> Group 1 Trading Program or exemption under 40 CFR 97.605 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR SO<sub>2</sub> Group 1 source or CSAPR SO<sub>2</sub> 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.

**# 005 [40 CFR Part 97 NO<sub>x</sub> Budget Trading Program and CAIR NO<sub>x</sub> and SO<sub>2</sub> Trading Programs §40 CFR 97.806]  
Subpart EEEEE - CSAPR NO<sub>x</sub> Ozone Season Group 2 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 40 CFR 97.813 through 97.818.

**(b) EMISSIONS MONITORING, REPORTING, AND RECORDKEEPING REQUIREMENTS**

(1) The owners and operators, and the designated representative, of each CSAPR NO<sub>x</sub> Ozone Season Group 2 source and each CSAPR NO<sub>x</sub> Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.831 (initial monitoring system certification and recertification procedures), 97.832 (monitoring system out-of-control periods), 97.833 (notifications concerning monitoring), 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.830 through 97.835 shall be used to calculate allocations of CSAPR NO<sub>x</sub> Ozone Season Group 2 allowances under 40 CFR 97.811(a)(2) and (b) and 97.812 and to determine compliance with the CSAPR NO<sub>x</sub> Ozone Season Group 2 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 40 CFR 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

**(c) NO<sub>x</sub> EMISSIONS REQUIREMENTS**

(1) CSAPR NO<sub>x</sub> Ozone Season Group 2 emissions limitation.

(i) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO<sub>x</sub> Ozone Season Group 2 source and each CSAPR NO<sub>x</sub> Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO<sub>x</sub> Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR 97.824(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for such control period from all CSAPR NO<sub>x</sub> Ozone Season Group 2 units at the source.

(ii) If total NO<sub>x</sub> emissions during a control period in a given year from the CSAPR NO<sub>x</sub> Ozone Season Group 2 units at a



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CSAPR NOX Ozone Season Group 2 source are in excess of the CSAPR NOX Ozone Season Group 2 emissions limitation set forth in paragraph (c)(1)(i) above, then:

(A) The owners and operators of the source and each CSAPR NOX Ozone Season Group 2 unit at the source shall hold the CSAPR NOX Ozone Season Group 2 allowances required for deduction under 40 CFR 97.824(d); and

(B) The owners and operators of the source and each CSAPR NOX Ozone Season Group 2 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 2 assurance provisions.

(i) If total NOX emissions during a control period in a given year from all CSAPR NOX Ozone Season Group 2 units at CSAPR NOX Ozone Season Group 2 sources in the 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 2 allowances available for deduction for such control period under 40 CFR 97.825(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.825(b), of multiplying—

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

(B) The amount by which total NOX emissions from all CSAPR NOX Ozone Season Group 2 units at CSAPR NOX Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.

(ii) The owners and operators shall hold the CSAPR NOX Ozone Season Group 2 allowances required under paragraph (c)(2)(i), 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 2 units at base CSAPR NOx Ozone Season Group 2 sources in a State during a control period in a given year exceed the State assurance level if such total NOx emissions exceed the sum, for such control period, of the State NOx Ozone Season Group 2 trading budget under §97.810(a) and the State's variability limit under §97.810(b).

(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 2 units at base CSAPR NOx Ozone Season Group 2 sources in a State during a control period exceed the State assurance level or if a common designated representative's share of total NOx emissions from the base CSAPR NOx Ozone Season Group 2 units at base CSAPR NOx Ozone Season Group 2 sources in a State during a control period exceeds the common designated representative's assurance level.

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

(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 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) above 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 2 unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.830(b) and for each control period thereafter.

(ii) A base CSAPR NOX Ozone Season Group 2 unit shall be subject to the requirements under paragraph (c)(2) of this section for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under §97.830(b) and for each control period thereafter. Vintage of CSAPR NOX Ozone Season Group 2 allowances held for compliance.

(4) Vintage of CSAPR NOX Ozone Season Group 2 allowances held for compliance.

(i) A CSAPR NOX Ozone Season Group 2 allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a CSAPR NOX Ozone Season Group 2 allowance that was allocated or auctioned for such control period or a control period in a prior year.

(ii) A CSAPR NOX Ozone Season Group 2 allowance held for compliance with the requirements under paragraphs

**SECTION E. Source Group Restrictions.**

(c)(1)(ii)(A) and (c)(2)(i) through (iii) above for a control period in a given year must be a CSAPR NOX Ozone Season Group 2 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 2 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart EEEEE.

(6) Limited authorization. A CSAPR NOX Ozone Season Group 2 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 2 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 2 allowance does not constitute a property right.

**(d) TITLE V PERMIT REVISION REQUIREMENTS**

(1) No title V permit revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NOX Ozone Season Group 2 allowances in accordance with this subpart.

(2) This permit incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR part 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of CSAPR Monitoring Provisions for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.806(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).

**(e) ADDITIONAL RECORDKEEPING AND REPORTING REQUIREMENTS**

(1) Unless otherwise provided, the owners and operators of each CSAPR NOX Ozone Season Group 2 source and each CSAPR NOX Ozone Season Group 2 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 40 CFR 97.816 for the designated representative for the source and each CSAPR NOX Ozone Season Group 2 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 40 CFR 97.816 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 2 Trading Program.

(2) The designated representative of a CSAPR NOX Ozone Season Group 2 source and each CSAPR NOX Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NOX Ozone Season Group 2 Trading Program, except as provided in 40 CFR 97.818. 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 40 CFR parts 70 and 71.

**(f) LIABILITY**

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

(2) Any provision of the CSAPR NOX Ozone Season Group 2 Trading Program that applies to a CSAPR NOX Ozone Season Group 2 unit or the designated representative of a CSAPR NOX Ozone Season Group 2 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 2 Trading Program or exemption under 40 CFR 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NOX Ozone Season Group 2 source or CSAPR NOX Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

**SECTION E. Source Group Restrictions.**

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

**SECTION E. Source Group Restrictions.**

Group Name: GAS CONVERSION RQMTS

Group Description: Sources included in NSR applicability determination for natural gas conversion

**Sources included in this group**

ID	Name
031	CE BOILER - UNIT 1
032	CE BOILER - UNIT 2
033A	AUXILIARY BOILER 11A
041	THREE FUEL GAS HEATERS
P401	NATURAL GAS PIPELINE AND ANCILLARY EQUIPMENT

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

[Additional authority for this permit condition is taken from the applicable provisions as specified under 25 Pa. Code Section 127.203a]

(a) The permittee shall not permit the combined emissions increase of volatile organic compounds (VOC) into the atmosphere from Source IDs 031, 032, 033A, 041, and P401 due to the gas co-fire project to be greater than 39.3 tons above the Baseline Actual Emissions (BAE) in any 12 consecutive month period.

(b) Source IDs 031, 032, 033A, 041, and P401 covered under the VOC emission cap specified in (a) above shall be considered as one emissions unit, as defined in 25 Pa. Code §127.1, for Nonattainment New Source Review (NNSR) permitting applicability purposes for future NNSR applicability determinations for VOCs for any of these boilers.

(c) The annual VOC emission limitation included in this permit condition was required for the gas co-fire project which included modifications to the facility's utility boilers and auxiliary boiler 11A, as well as the construction of a natural gas pipeline and fuel gas heaters, and triggered the scenario and requirements specified under 25 Pa. Code Section 127.203a(a)(5)(iii), based on Projected Actual Emissions (PAE) and Baseline Actual Emissions (BAE) as provided in the applications, including supplemental information, for Plan Approvals 47-00001G and 47-00001H.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall comply with the applicable monitoring requirements specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B) by monitoring the emissions of VOC collectively from Source IDs 031, 032, 033A, 041, and P401 to ensure that the limit on the combined VOC emissions increase is not exceeded. Monitoring shall be conducted as follows:

(a) The permittee shall monitor the fuel consumption rate of each combustion unit and utilize site-specific emission factors in order to calculate and record, on a monthly basis, the combined cumulative VOC emissions from Source IDs 031, 032, 033A, and 041 for each 12-consecutive month period. AP-42 emissions factors or vendor guarantees shall be used, as applicable, until site-specific factors are determined through EPA reference method performance testing.

(b) The permittee shall monitor VOC emissions from Source ID P401 by using fugitive leak emission factors established by the US EPA (or alternative source with the Department's prior approval) and natural gas composition data provided by the natural gas supplier in order to calculate and record, on a monthly basis, the cumulative VOC emissions from Source ID P401 for each 12-consecutive month period.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall obtain and maintain records of the current, valid purchase contract, tariff sheet, or transportation contract from the natural gas supplier that provide the necessary Btu heat content and volatile organic compound content of the supplied natural gas to calculate VOC emissions on a 12-consecutive month basis.

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

The permittee shall calculate and record the combined cumulative VOC emissions from Source IDs 031, 032, 033A, 041, and P401 for each calendar month and each 12-consecutive month period in order to demonstrate compliance with the limit on the combined VOC emissions increase. These records shall be kept for minimum of five (5) years and shall be available upon request by the Department.

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

(a) An annual VOC emissions report of the combined emissions for Source IDs 031, 032, 033A, 041 and P401 for a given calendar year is due within 60 days after the end of each calendar year and shall be submitted to the Department.

(b) The monthly combined VOC emissions from Source IDs 031, 032, 033A, 041, and P401 including the calculation methodology, shall be included in the annual VOC emissions report.

(c) The cumulative VOC emissions from Source IDs 031, 032, 033A, 041 and P401 for each 12-consecutive month period shall be included in the annual VOC emissions report.

**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: RACT

Group Description: Additional RACT Requirements for Utility Boilers

Sources included in this group

ID	Name
031	CE BOILER - UNIT 1
032	CE BOILER - UNIT 2

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.114]

(a) The total combined NO<sub>x</sub> emissions from Source IDs 031 and 032 shall not exceed 0.091 lb/MMBtu on a 30-operating day rolling average. This emission limit may also be referred to as the "Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate".

(b) The Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate applies for any type of fuel combusted in Source IDs 031 and 032.

(c) The total combined NO<sub>x</sub> emissions from Source IDs 031 and 032 shall be calculated in accordance with the following procedure:

Sum the total pounds of NO<sub>x</sub> emitted from all Units during the current Operating Day and the previous (29) Operating Days; sum the total heat input from all Units in MMBtu during the current Unit Operating Day and the previous (29) Operating Days; and divide the total number of pounds of NO<sub>x</sub> emitted from all Units during the (30) Operating Days by the total heat input during the (30) Operating Days. A new Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate shall be calculated for each new Operating Day. Each 30-Day Rolling Average NO<sub>x</sub> Emission Rate shall include all emissions that occur during all periods within any Operating Day, including, but not limited to, emissions from startup, shutdown, and malfunction.

(d) Daily NO<sub>x</sub> emissions from Source ID 031 (Unit 1) shall not exceed 15,981 lb per unit operating day.

(e) Daily NO<sub>x</sub> emissions from Source ID 032 (Unit 2) shall not exceed 15,810 lb per unit operating day.

(f) The lb per operating day limit shall include all emissions that occur during all periods within any Operating Day, including, but not limited to, emissions from startup, shutdown, and malfunction.

(g) The daily limit shall be expressed in lb/day and calculated as the sum of total pounds of NO<sub>x</sub> emitted from each individual source during the Unit Operating Day.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 129.99]

(a) The total combined NO<sub>x</sub> emissions from Source IDs 031 and 032 shall not exceed 0.102 lb/MMBtu on a 30-operating day rolling average. This emission limit may also be referred to as the "Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate".

(b) The Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate applies for any type of fuel combusted in Source IDs 031 and 032.

(c) The total combined NO<sub>x</sub> emissions from Source IDs 031 and 032 shall be calculated in accordance with the following procedure:

Sum the total pounds of NO<sub>x</sub> emitted from all Units during the current Operating Day and the previous (29) Operating Days; sum the total heat input from all Units in MMBtu during the current Unit Operating Day and the previous (29) Operating Days;

**SECTION E. Source Group Restrictions.**

and divide the total number of pounds of NO<sub>x</sub> emitted from all Units during the (30) Operating Days by the total heat input during the (30) Operating Days. A new Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate shall be calculated for each new Operating Day. Each 30-Day Rolling Average NO<sub>x</sub> Emission Rate shall include all emissions that occur during all periods within any Operating Day, including, but not limited to, emissions from startup, shutdown, and malfunction.

(d) Daily NO<sub>x</sub> emissions from Source ID 031 (Unit 1) shall not exceed 17,912 lb per unit operating day.

(e) Daily NO<sub>x</sub> emissions from Source ID 032 (Unit 2) shall not exceed 17,721 lb per unit operating day.

(f) The lb per operating day limit shall include all emissions that occur during all periods within any Operating Day, including, but not limited to, emissions from startup, shutdown, and malfunction.

(g) The daily limit shall be expressed in lb/day and calculated as the sum of total pounds of NO<sub>x</sub> emitted from each individual source during the Unit Operating Day.

**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 §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.100 and 129.115]

The permittee shall utilize the following methods when determining compliance with the NO<sub>x</sub> RACT emission limits:

(a) For the Facility-wide 30-operating day rolling average NO<sub>x</sub> emission limit, 40 CFR parts 60 and 75, appendix F, Procedure 1;

(b) For the Unit-specific Daily NO<sub>x</sub> Mass Emission Limits, 40 CFR part 75; and

(c) All monitoring and testing related to RACT2 and RACT3 shall be conducted in accordance with the applicable requirements of 25 Pa. Code Chapter 139, Subchapter C.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.100 and 129.115]

The permittee shall create and maintain records of the following for Source ID 031 and 032 in order to demonstrate compliance with 25 Pa. Code §§129.99 and 129.114:

(a) The hourly heat input for each unit (MMBtu);

(b) The specific hourly NO<sub>x</sub> emission rate (lb/MMBtu) for each unit;

(c) The specific hourly ammonia injection amounts for each unit;

(d) The Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate; and

(e) The technical justification for periods of operation where the SCR system was not utilized.

Records shall be retained for at least five (5) years from the date of creation of the data and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.100 and 129.115]

**SECTION E. Source Group Restrictions.**

(a) The permittee shall electronically submit to the Department a periodic report, by March 1 (for the July 1 through December 31 reporting period of the preceding year) and September 1 (for the January 1 through June 30 reporting period of the concurrent year). The periodic report shall include an unlocked electronic spreadsheet format, such as Excel or other widely-used software, and contain data for each Operating Day during the reporting period, including, but not limited to: Facility ID (ORISPL); Facility name; Unit ID; Date; Unit-specific total Daily Operating Time (hours); Unit-specific Daily NO<sub>x</sub> Mass Emissions (lbs); Unit-specific total Daily Heat Input (MMBtu); Unit-specific Daily NO<sub>x</sub> Emission Rate (lb/MMBtu); Facility-wide 30-Day Rolling Average NO<sub>x</sub> Emission Rate (lb/MMBtu); Owner; Operator; Representative (Primary); and Representative (Secondary).

(b) For purposes of the periodic reports submitted pursuant to this condition, the permittee may incorporate by reference information previously submitted to the Department under its Title V permitting requirements, so long as that information is adequate to determine compliance with the emission limits and in the same electronic format as required for the periodic report, and provided that the permittee attaches the Title V Permit report (or the pertinent portions of such report) and provides a specific reference to the provisions of the Title V Permit report that are responsive to the information required in this periodic report.

(c) The periodic report shall be certified by the Responsible Official for the facility.

(d) Once the RACT CEMS are approved and certified by the Department, the reports required in paragraph (a) will no longer be required to be submitted to the Department.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.114]

The permittee shall:

(a) Operate the SCR systems associated with Unit 1 and/or 2 at all times the source is in operation and it is technically feasible to do so in accordance with manufacturer specifications for the SCR systems and sound engineering principles. This requirement applies regardless of the fuel type being combusted in the boiler.

(b) Utilize reagent (e.g. ammonia) in the SCR systems at a rate that is optimized for NO<sub>x</sub> control while minimizing ammonia slip.

(c) Operate and maintain the SCR systems in accordance with manufacturer specifications and good operating practices for the control of the NO<sub>x</sub> emissions from Units 1 and 2.

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

Units 1 and 2 (Source IDs 031 and 032) are subject to case-by-case NO<sub>x</sub> requirements pursuant to RACT3, which is codified in 25 Pa. Code §§ 129.111 - 129.115.

The permittee shall comply with all applicable requirements of 25 Pa. Code §§ 129.111 - 129.115 for Units 1 and 2 (Source IDs 031 and 032).

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

Units 1 and 2 (Source IDs 031 and 032) are also subject to a Federal Implementation Plan (FIP) for NO<sub>x</sub> RACT2, which is codified in 40 CFR § 52.2065.

The permittee shall comply with all applicable requirements of 40 CFR § 52.2065(a)-(h). In the event there is a conflict between the FIP requirements and the conditions in TVOP 47-00001, the permittee shall comply with the more stringent provision.

Pursuant to 40 CFR § 52.2065(h)(5), whenever notifications, submissions, or communications to EPA are required by the



**SECTION E. Source Group Restrictions.**

FIP, they shall be made electronically to the attention of the Air Enforcement Manager via email to the following address:  
R3\_ORC\_mailbox@epa.gov

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor CEMS data to demonstrate compliance with this case by case RACT proposal and shall report the data as requested by the Department pending CEMDPS approval.

\*\*\* **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.**

(1) The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

(a) Portable heaters used when needed during winter months.

(b) 1 Zep model parts washer (degreaser) used in the shop area for maintenance purposes utilizing a solvent that does not contain any HAPs that would subject it to 40 CFR 63 Subpart T. Also, the degreaser open surface area is less than 10 square feet excluding it from the requirements of 25 Pa. Code Section 129.63. The potential VOC emissions from the parts washer is less than 1 ton per year.

(c) Water quench systems on S031 and S032 which reduces temperature of the flue gas.

(2) Attached to this permit is the Phase II Title IV (Acid Rain) permit in its entirety renewed April 23, 2025. Certain requirements from the Acid Rain permit have been reiterated in the body of the Title V permit for emphasis. The entire Title IV permit is incorporated into this Title V permit by inclusion. The expiration date of the Title IV permit is the same as the expiration date of the Title V operating permit.

(3) Any reference in this permit to the Department's Continuous Source Monitoring Manual can be viewed by visiting <http://www.dep.state.pa.us/dep/deputate/airwaste/aq/cemspage/cems.htm> and following the link.

(4) Any reference in this permit to the Department's Source Testing Manual can be viewed by visiting <http://www.dep.state.pa.us/dep/deputate/airwaste/aq/source/source.htm> and following the link.

(5) The following individual is also a responsible official for the Montour SES:

Dale Lebsack  
President, Montour LLC  
(281)-203-5327



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

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