



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: July 30, 2024

Effective Date: July 30, 2024

Expiration Date: July 29, 2029

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 17-00001

Federal Tax Id - Plant Code: 84-1833714-1

Owner Information

Name: SHAWVILLE POWER LLC
Mailing Address: PO BOX F
250 POWER PLANT DR
SHAWVILLE, PA 16873-0403

Plant Information

Plant: SHAWVILLE POWER LLC/SHAWVILLE GEN STA
Location: 17 Clearfield County 17909 Bradford Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: JOHN KENNEDY
Title: VP
Phone: (312) 766 - 8514 Email: jkennedy@mrpgenco.com

Permit Contact Person

Name: JOHN TELFORD
Title: SAFETY SPECIALIST
Phone: (814) 768 - 4283 Email: john.telford@naes.com

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



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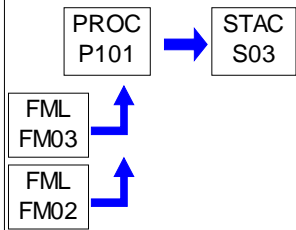
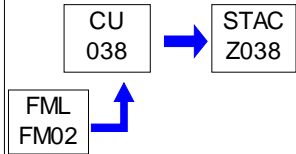
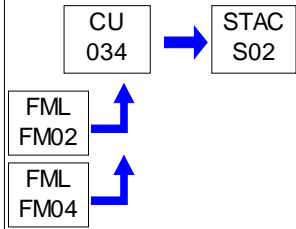
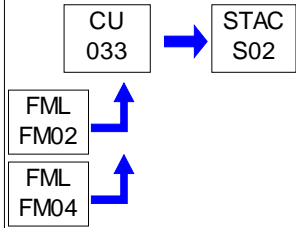
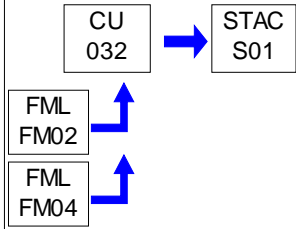
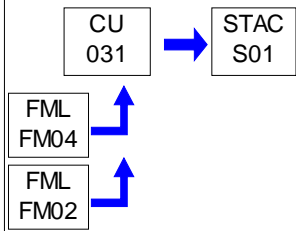
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	UTILITY BOILER - UNIT 1	1,345.000	MMBTU/HR	
		1.319	MMCF/HR	Natural Gas
		1,500.000	Gal/HR	#2 Oil
032	UTILITY BOILER - UNIT 2	1,345.000	MMBTU/HR	
		1,500.000	Gal/HR	#2 Oil
		1.319	MMCF/HR	Natural Gas
033	UTILITY BOILER - UNIT 3	1,790.000	MMBTU/HR	
		1.755	MMCF/HR	Natural Gas
		1,500.000	Gal/HR	#2 Oil
034	UTILITY BOILER - UNIT 4	1,790.000	MMBTU/HR	
		1.755	MMCF/HR	Natural Gas
		1,500.000	Gal/HR	#2 Oil
038	15 SPACE HEATERS	0.600	MMBTU/HR	
P101	STARTUP GENERATOR 5	163.000	Gal/HR	#2 Oil
P102	STARTUP GENERATOR 6	163.000	Gal/HR	#2 Oil
P103	STARTUP GENERATOR 7	163.000	Gal/HR	#2 Oil
P104	EMERGENCY GENERATOR (FOR UNITS 1&2)			
P106	2 FIRE PUMP ENGINES			
P116	WATER TREATMENT OPERATIONS			
P120	EMERGENCY GENERATOR (FOR UNITS 3&4)			
P121	PARTS WASHER			
P201	MECHANICAL DRAFT COOLING TOWER	295.600	Th Gal/HR	
C201	HIGH EFFICIENCY DRIFT ELIMINATORS			
FM02	OIL STORAGE TANKS			
FM03	DIESEL STORAGE			
FM04	PIPELINE NATURAL GAS			
S01	UNITS 1 & 2 STACK			
S02	UNITS 3 & 4 STACK			
S03	GENERATOR 5 STACK			
S06	EMERGENCY GEN 1 STACK			
S08	FIRE PUMP ENGINE STACKS			
S120	GENERATOR STACK			
S13	GENERATOR 6 STACK			
S201	COOLING TOWER CELLS			
S23	GENERATOR 7 STACK			
Z038	SPACE HEATER EMISSIONS			
Z116	WATERTREATMENT EMISSIONS			
Z121	PARTS WASHER EMISSIONS			

PERMIT MAPS

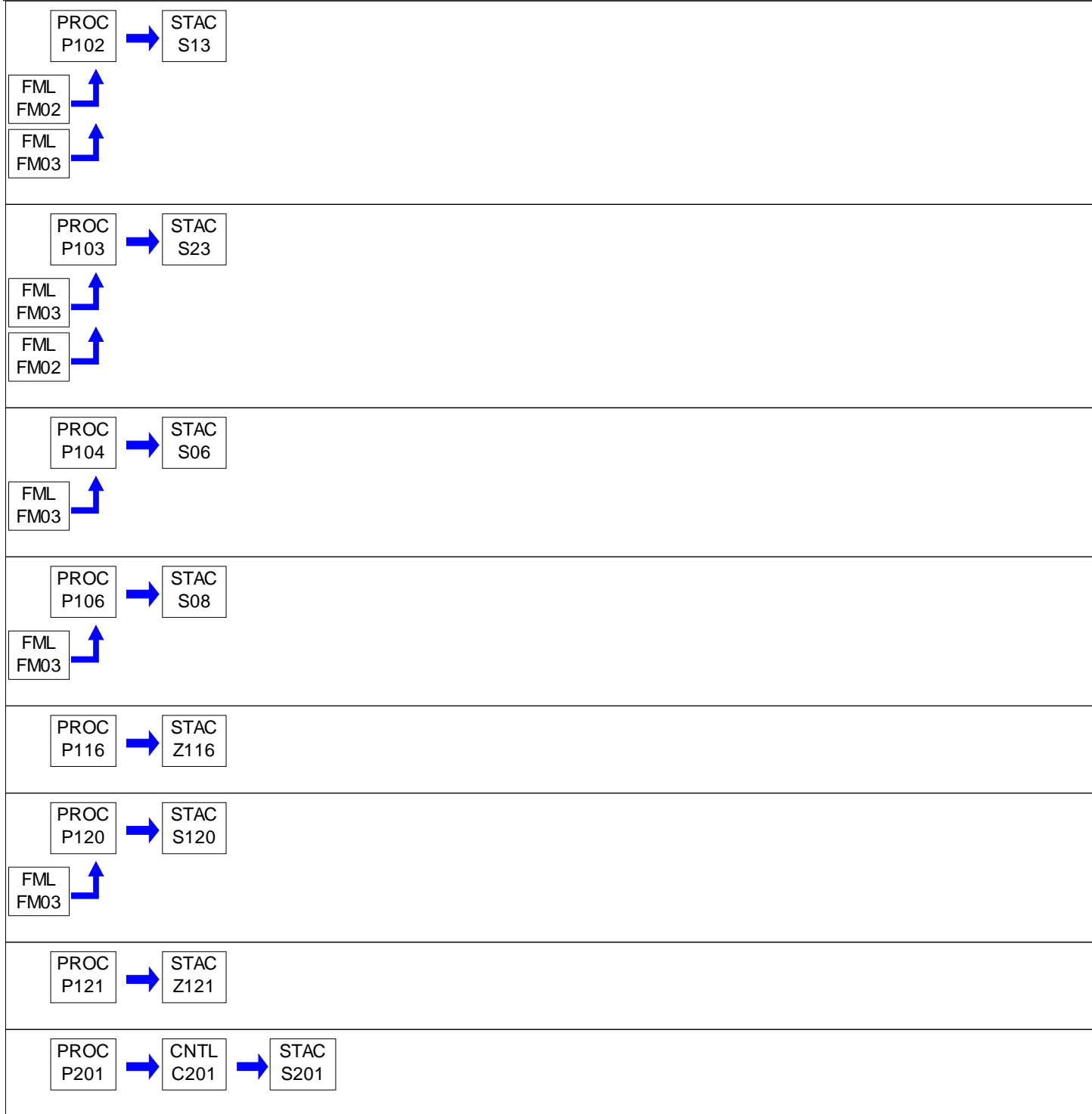


PERMIT MAPS





PERMIT MAPS



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

the Department.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

#024 [25 Pa. Code § 127.513]**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 §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.1 and 123.2]

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminants 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) 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:
 - (i) The emissions are of minor significance with respect to causing air pollution.
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of an ambient air quality standard.

(b) No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in paragraphs (a)(1) through (6), above if the emissions are visible at the point the emissions pass outside the person's property.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.41 and 123.42]

(a) 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.
- (b) The emission limitations specified in (a)(1) and (2), above 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.

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

Pursuant to 25 Pa. Code section 123.22(a)(2) the sulfur content of all #2 fuel oil shipments for combustion units shall be less than or equal to 500 ppmw or 0.05% by weight through August 31, 2020. Beginning on September 1, 2020, the sulfur content shall be no more than 15 ppm by weight or 0.0015% by weight.

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing an 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 (ra-epncstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (ra-epstacktesting@pa.gov). 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, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided in the paragraph (a), above.
- (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.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 123.43]

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.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 139.1 and 139.16]

**SECTION C. Site Level Requirements**

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 139.11]

(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 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, CO₂, O₂ and N₂), 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.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) The permittee shall conduct an inspection of the plant periphery anytime during daylight hours on a once per every calendar week basis, at least, while the utility boiler(s) are (-is) in operation, to verify compliance and detect for the presence of visible emissions, visible fugitive emissions and malodorous air contaminants in excess of the limitations herein, unless the boiler(s) are (-is) not put into continuous operation for an entire week.

i) The stack inspections are required if the boiler(s) were (-was) in operation for longer than a 8-hour consecutive block period during daylight hours. For each calendar week in which facility operation doesn't meet this 8-hour daylight hour threshold the weekly visual stack observation is waived as long as supporting information is kept by the permittee to verify compliance with this waiver.

(b) In addition, weekly inspections of the plant periphery shall be done anytime during daylight hours on a once per every calendar week basis, at least, to verify compliance and detect for the presence of visible emissions, visible fugitive emissions and malodorous air contaminants from other sources that may be in operation and/or other plant activities occurring at the time of the inspection.

(c) All visible emissions, visible fugitive emissions, or malodors that have the potential to be in excess of the applicable regulatory limits herein shall be reported at once to the manager of the facility.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall maintain and make available, upon request by the Department, records of the weekly inspections done for the presence of visible emissions, visible fugitive emissions and malodors, by the facility, including the dates and times, the initials of representative that conducted each inspection, the results of each inspection performed, a description of the corrective actions, if necessary, as well as the source(s) in operation during the inspections in accordance with the recordkeeping requirements in section B herein.

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

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

The permittee shall obtain and keep record of annual fuel certification reports to verify all shipments of No. 2 oil delivered for use in the combustion units in any calendar year are in compliance with the maximum allowable sulfur content.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 135.5]

The permittee shall maintain records including computerized records that may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21 (relating to reporting and emissions statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

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

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

All records required herein including the supporting information used to derive the reported values shall be kept for a period of five (5) years and shall be made available to the Department upon request.

013 [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 certify all the natural gas supplied to the facility meets pipeline quality specifications.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.442 and 127.511]

(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.

**SECTION C. Site Level Requirements**

(c) The report shall describe the following:

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

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

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The submission of annual or semi-annual reports required in the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 63, shall be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to an applicable subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA e-mail address listed below.

The submission of all other requests, applications submittals and other communications required by the National Emission Standards for Hazardous Air Pollutants shall be made to both the Department of Environmental Protection and the Environmental Protection Agency. The EPA copies may be sent to:

R3_Air_Apps_and_Notices@epa.gov, or

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

016 [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.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in

**SECTION C. Site Level Requirements**

Condition #026 of Section B, General Title V Requirements, no later than September 1 (for the reporting period from July of the previous year through June of the current year). The following email address shall be used to submit the compliance certifications to EPA Region III:

R3_APD_Permits@epa.gov

(b) The permittee shall submit the semi-annual reports of required monitoring to the Department, as specified in Condition #025 of Section B, General Title V Requirements, no later than September 1 (for the reporting period from January through June in the current year) and March 1 (for the reporting period from July through December of the previous year).

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 135.21]

(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 (NOx) and volatile organic compounds (VOCs) from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

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

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

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

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 135.4]

Source reports shall contain sufficient information to enable the Department to complete its emission inventory. Source reports shall be made by the permittee in a format specified by the Department, including electronic submission.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 123.1]

The permittee shall take all reasonable actions for any source specified in condition #001 in section C herein, 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.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 121.7]

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 123.31]

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

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

The following conditions are derived in accordance with the 2018 RFD approval in order to ensure that each of the proposed temporary boiler constructions/operations are meeting the applicable air quality regulatory requirements within 25 Pa. Code Chapters 121 through 145:

1. The proposed boiler (or equivalent as determined by the Department) shall not be operated for a period longer than six (6) months at the Shawville Generating Station facility. After which time, the utilities for the boiler (e.g. fuel, steam lines, etc.) shall be immediately disconnected in order to permanently cease the temporary boiler operation/installation. In addition, the proposed boiler shall not remain on-site for a period longer than 12 consecutive months.

The permittee shall submit notifications informing the Department when the proposed temporary boiler is delivered on-site, when operation of it had commenced, and when it had been removed from the site, and notices shall be submitted by the permittee no later than 5 days after each occurrence.

2. The permittee shall only operate each of the proposed temporary boilers using No. 2 commercial fuel oil that has a sulfur content in accordance with the applicable limit herein or pipeline natural gas. No reclaimed or waste oil or waste materials shall be added.

3. The permittee shall generate and keep monthly records of the total consumption of each fuel used to operate each of the proposed temporary boilers on a calendar month and 12-month rolling basis, as well as the emissions calculations, to monitor for and determine the facility's PALs compliance status, at least, monthly. In addition, the permittee shall keep the background information detailing how the fuel consumption and each pollutant were monitored and recorded to verify PAL compliance.

4. The permittee shall install, maintain and operate each of the proposed temporary boiler in accordance with the manufacturer's specifications and with good operating practices.

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: UTILITY BOILER - UNIT 1

Source Capacity/Throughput: 1,345.000 MMBTU/HR

1.319 MMCF/HR

Natural Gas

1,500.000 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: CSAPR
 PAL CONDITIONS
 RACT UTILITY BOILERS

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from Source ID 031 in excess of the rate of 0.1 pounds per million Btu of heat input.

[Compliance with the fuel restrictions other requirements for Source ID 031 herein will verify compliance with the above limit.]

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.531]

(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 Source ID 031.

(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 a 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.

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

Attached to the Title V operating permit is the Phase II Title IV (Acid Rain) permit in its entirety for Source ID 031. The entire Title IV permit is incorporated into the Title V operating permit by reference. The expiration date of the Title IV permit is the same as the expiration date of the Title V operating permit. Certain requirements from the Acid Rain permit have been reiterated in the body of this Title V operating permit for emphasis.

**SECTION D. Source Level Requirements****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from the applicable provisions pertaining to the modification authorized by Plan Approval No: 17-00001G, as specified under 25 Pa. Code Section 127.203a(a)(5)(iii).]

The permittee shall not permit the combined total emissions of volatile organic compounds (VOCs, expressed as propane) into the atmosphere from Source IDs 031, 032, 033 and 034 to be greater than 23.8 tons in any 12 consecutive month period.

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

[Compliance with the SO₂ emission limit in this condition will assure compliance with the applicable SO₂ emission limit in 25 Pa. Code Section 123.22]

Applying 40 CFR Section 50.4, National primary ambient air quality standards for sulfur oxides (sulfur dioxide, SO₂) in conjunction with 40 CFR Section 51.1204, enforceable emission limit providing for attainment, the combined SO₂ emissions from Source IDs 031 and 032 shall not exceed 2690.0 pounds per hour (lb/hr) 1-hour average (on a clock-hour average basis).

[Compliance with the fuel restrictions other requirements for Source IDs 031 and 032 herein will verify compliance with the above limit.]

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

[Authority is also derived by 25 Pa. Code Section 127.444]

The Source ID 031 utility boiler shall be fired on pipeline natural gas and No. 2 fuel oil only.

i) Natural gas used as fuel to operate Source ID 031 shall meet the specifications for pipeline natural gas as verified by the required, periodic analyses of representative fuel sampling, including total sulfur content and percent methane of the natural gas supplied.

ii) No. 2 oil consumed by the oil igniters associated with Source ID 031 shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added. Additionally, the sulfur content of all #2 fuel oil shipments for Source ID 031 shall be less than or equal to 500 ppmw or 0.05% by weight through August 31, 2020. Beginning on September 1, 2020, the sulfur content shall be no more than 15 ppm by weight or 0.0015% by weight.

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

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

The permittee shall conduct representative oil fuel sampling and analyses and/or obtain fuel supplier certification reports to monitor the gross calorific value (GCV) of the No. 2 oil used to operate Source ID 031 as delivered, using the applicable methods and procedures as specified under Appendix D to 40 CFR Part 75.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.511 and 139.16]

The permittee shall conduct representative oil fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the sulfur content of the No. 2 oil used to operate Source ID 031 as delivered, is less than or equal to 500 Parts per Million (ppm) by weight or 0.05% by weight through August 31, 2020, and shall be no more than 15 ppm by weight or

**SECTION D. Source Level Requirements**

0.0015% by weight beginning on September 1, 2020, using the applicable methods and procedures as specified under 25 Pa. Code Section 139.16 or Appendix D to 40 CFR Part 75.

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

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

The permittee shall conduct at least monthly representative gas fuel sampling and analyses to monitor the gross calorific value (GCV) of the gas used to operate Source ID 031, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

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

The permittee shall conduct at least annual representative gas fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the total sulfur content of the gas used to operate Source ID 031 is within pipeline specifications for natural gas, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

[Authority for this permit condition is also derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv), (2) - (4), (6) - (8), (12), (14) and (15)]

(a) The required Continuous Emission Monitoring (CEMS) for Source ID 031 including the system's components shall be installed, operated, maintained and certified in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001 and the operation and maintenance requirements established in 40 CFR Part 75 Subpart C.

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

The permittee shall comply with the applicable monitoring requirements pertaining to Source ID 031 as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B).

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of No. 2 oil combusted in Source ID 031 using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of natural gas combusted in Source ID 031 by using its gas flowmeter that shall be certified and operated by the permittee according to Appendix D to 40 CFR Part 75.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID 031, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B) & (C).

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

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

(a) The permittee shall generate and keep records of the Source ID 031 representative No. 2 fuel oil sampling and analyses reports and/or fuel supplier certification reports to verify compliance.

(b) The permittee shall generate and keep records of the Source ID 031 representative natural gas fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance.

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

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

(a) The permittee shall generate and keep records of the Source ID 031 representative gas fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance with the total sulfur content limit.

(b) The permittee shall generate and keep records of the Source ID 031 representative gas fuel sampling and analyses data to verify assumed GCV value(s) are valid.

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

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

The permittee shall generate and keep records of the stack test reports and emission calculations and the monitoring data to verify compliance with the particulate matter limitations for Source ID 031.

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

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

(a) The permittee shall generate and keep records that demonstrate the Source ID 031 gas fuel flowmeter is continually certified and operated according to Appendix D to 40 CFR Part 75.

(b) The permittee shall generate and keep records that demonstrate the methods and procedures used to derive Source ID 031 startup fuel usage (monthly total gallons of No. 2 oil burned) are in accordance with the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and record the quarterly and year-to-date heat input (mmBtu) to Source ID 031 as derived from No. 2 oil combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (mmBtu) to Source ID 031 from No. 2 oil combustion on a monthly and 12-month rolling basis.

Assumed GCV value for the total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the fuel supplier and/or representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

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

[Additional authority for this permit condition is derived from 40 CFR Section 75.2, and 25 Pa. Code section 139.101(5)]

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the recordkeeping requirements established in 40 CFR Part 75 Subpart F.

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

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the hourly heat input rate (mmBtu/hr), the quarterly heat input (mmBtu) and the year-to-date heat input (mmBtu) to Source ID 031 as derived from gas combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (mmBtu) to Source ID 031 from gas combustion on a daily, monthly and 12-month rolling basis.

Assumed GCV value for the heat input rate and total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of No. 2 oil burned (gallon) in Source ID 031 on a monthly, quarterly and 12-month rolling basis.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of natural gas burned (CF) in Source ID 031 on an hourly, daily, monthly, quarterly and 12-month rolling basis using its gas flowmeter monitoring data.

V. REPORTING REQUIREMENTS.**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Within 60 days after the end of each calendar year, the permittee shall comply with the applicable reporting requirements pertaining to Source ID 031, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(D).

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv) and (10)]

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for

**SECTION D. Source Level Requirements**

stationary sources), (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the reporting requirements established in 40 CFR Part 75 Subpart G.

The permittee shall report emissions for all periods of Source ID 031 operation, including startups, shutdowns and malfunctions.

Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

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

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

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

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

(a) The required NOx Continuous Emission Monitoring (CEM) for Source ID 031 shall meet the following minimum data availability requirements:

(1) In accordance with 25 Pa. Code Sections 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(i) In each calendar month, at least 90% of the time periods for which the emission standard applies, shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001, or

(ii) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

Source ID 031 is a 1954 vintage, Babcock Wilcox, dry bottom, front wall-fired, balanced draft, divided furnace drum type utility boiler with a rated heat input capacity of 1,345 MMBtu/hr. The boiler shall be fueled with natural gas, and No. 2 oil may also be used during a startup period for natural gas burner ignition. The air contaminant emissions from the boiler while the permittee is using natural gas as fuel to operate shall be controlled by Riley Power Inc.'s Low NOx Natural Gas Burners. Additionally, flue gas recirculation (FGR) may be utilized, if necessary for good combustion.

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

The permittee shall comply with all applicable requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act, including all applicable provisions pertaining to Source ID 031 from the following: 40 CFR Part 72 Permit Regulation

**SECTION D. Source Level Requirements**

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

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

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: UTILITY BOILER - UNIT 2

Source Capacity/Throughput: 1,345.000 MMBTU/HR

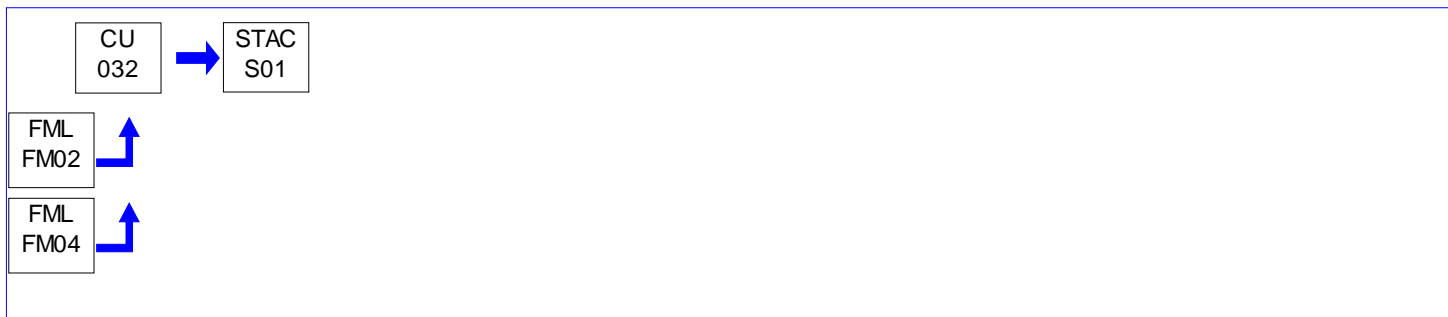
1,500.000 Gal/HR

#2 Oil

1.319 MMCF/HR

Natural Gas

Conditions for this source occur in the following groups: CSAPR
PAL CONDITIONS
RACT UTILITY BOILERS

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from Source ID 032 in excess of the rate of 0.1 pounds per million Btu of heat input.

[Compliance with the fuel restrictions other requirements for Source ID 032 herein will verify compliance with the above limit.]

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

[Compliance with the SO₂ emission limit in this condition will assure compliance with the applicable SO₂ emission limit in 25 Pa. Code Section 123.22]

Applying 40 CFR Section 50.4, National primary ambient air quality standards for sulfur oxides (sulfur dioxide, SO₂) in conjunction with 40 CFR Section 51.1204, enforceable emission limit providing for attainment, the combined SO₂ emissions from Source IDs 031 and 032 shall not exceed 2690.0 pounds per hour (lb/hr) 1-hour average (on a clock-hour average basis).

[Compliance with the fuel restrictions other requirements for Source IDs 031 and 032 herein will verify compliance with the above limit.]

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

[Authority for this permit condition is also derived from the applicable provisions pertaining to the modification authorized by Plan Approval No: 17-00001G, as specified under 25 Pa. Code Section 127.203a(a)(5)(iii).]

The permittee shall not permit the combined total emissions of volatile organic compounds (VOCs, expressed as propane) into the atmosphere from Source IDs 031, 032, 033 and 034 to be greater than 23.8 tons in any 12 consecutive month period.

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

Attached to the Title V operating permit is the Phase II Title IV (Acid Rain) permit in its entirety for Source ID 032. The entire Title IV permit is incorporated into the Title V operating permit by reference. The expiration date of the Title IV permit is the same as the expiration date of the Title V operating permit. Certain requirements from the Acid Rain permit have been

**SECTION D. Source Level Requirements**

reiterated in the body of this Title V operating permit for emphasis.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.531]

- (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 Source ID 032.
- (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 a 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.

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

[Authority is also derived by 25 Pa. Code Section 127.444]

The Source ID 032 utility boiler shall be fired on pipeline natural gas and No. 2 fuel oil only.

- i) Natural gas used as fuel to operate Source ID 032 shall meet the specifications for pipeline natural gas as verified by the required, periodic analyses of representative fuel sampling, including total sulfur content and percent methane of the natural gas supplied.
- ii) No. 2 oil consumed by the oil igniters associated with Source ID 032 shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added. Additionally, the sulfur content of all #2 fuel oil shipments for Source ID 032 shall be less than or equal to 500 ppmw or 0.05% by weight through August 31, 2020. Beginning on September 1, 2020, the sulfur content shall be no more than 15 ppm by weight or 0.0015% by weight.

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

[Authority for this permit condition is also derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv), (2) - (4), (6) - (8), (12), (14) and (15)]

- (a) The required Continuous Emission Monitoring (CEMS) for Source ID 032 including the system's components shall be installed, operated, maintained and certified in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001 and the operation and maintenance requirements established in 40 CFR Part 75 Subpart C.
- (b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

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

The permittee shall conduct at least annual representative gas fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the total sulfur content and percent methane of the natural gas used to operate Source ID 032 is within pipeline specifications, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

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

The permittee shall conduct at least monthly representative gas fuel sampling and analyses to monitor the gross calorific value (GCV) of the gas used to operate Source ID 032, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.511 and 139.16]

The permittee shall conduct representative oil fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the sulfur content of the No. 2 oil used to operate Source ID 032 as delivered, is less than or equal to 500 Parts per Million (ppm) by weight or 0.05% by weight through August 31, 2020, and shall be no more than 15 ppm by weight or 0.0015% by weight beginning on September 1, 2020, using the applicable methods and procedures as specified under 25 Pa. Code Section 139.16 or Appendix D to 40 CFR Part 75.

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

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

The permittee shall conduct at least annual representative gas fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the total sulfur content of the gas used to operate Source ID 032 is within pipeline specifications for natural gas, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of natural gas combusted in Source ID 032 by using its gas flowmeter that shall be certified and operated by the permittee according to Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of No. 2 oil combusted in Source ID 032 using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

The permittee shall comply with the applicable monitoring requirements pertaining to Source ID 032 as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B).

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

[Additional authority for this permit condition is derived from 40 CFR section 75.2, and 25 Pa. Code section 139.101(5)]

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the recordkeeping requirements established in 40 CFR Part 75 Subpart F.

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

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of natural gas burned (CF) in Source ID 032 on an hourly, daily, monthly, quarterly and 12-month rolling basis using its gas flowmeter monitoring data.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the hourly heat input rate (mmBtu/hr), the quarterly heat input (mmBtu) and the year-to-date heat input (mmBtu) to Source ID 032 as derived from gas combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (mmBtu) to Source ID 032 from gas combustion on a daily, monthly and 12-month rolling basis.

Assumed GCV value for the heat input rate and total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of No. 2 oil burned (gallon) in Source ID 032 on a monthly, quarterly and 12-month rolling basis.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and record the quarterly and year-to-date heat input (mmBtu) to Source ID 032 as derived from No. 2 oil combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (mmBtu) to Source ID 032 from No. 2 oil combustion on a monthly and 12-month rolling basis.

Assumed GCV value for the total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the fuel supplier and/or representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

**SECTION D. Source Level Requirements****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) The permittee shall generate and keep records that demonstrate the Source ID 032 gas fuel flowmeter is continually certified and operated according to Appendix D to 40 CFR Part 75.

(b) The permittee shall generate and keep records that demonstrate the methods and procedures used to derive Source ID 032 startup fuel usage (monthly total gallons of No. 2 oil burned) are in accordance with the applicable methods and procedures under Appendix D to 40 CFR Part 75.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

The permittee shall generate and keep records of the stack test reports and emission calculations and the monitoring data to verify compliance with the particulate matter emission limitations for Source ID 032.

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

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

(a) The permittee shall generate and keep records of the Source ID 032 representative gas fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance with the total sulfur content limit.

(b) The permittee shall generate and keep records of the Source ID 032 representative gas fuel sampling and analyses data to verify assumed GCV value(s) are valid.

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

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

(a) The permittee shall generate and keep records of the Source ID 032 representative oil fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance with the total sulfur content limit.

(b) The permittee shall generate and keep records of the Source ID 032 representative oil fuel sampling and analyses reports and/or fuel supplier certification reports to verify assumed GCV value(s) are valid.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID 032, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B) & (C).

V. REPORTING REQUIREMENTS.**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv) and (10)]

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the reporting requirements established in 40 CFR Part 75 Subpart G.

**SECTION D. Source Level Requirements**

The permittee shall report emissions for all periods of Source ID 032 operation, including startup, shutdown and malfunction.

Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

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

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

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

026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Within 60 days after the end of each calendar year, the permittee shall comply with the applicable reporting requirements pertaining to Source ID 032, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(D).

VI. WORK PRACTICE REQUIREMENTS.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The required NOx Continuous Emission Monitoring System for Source ID 032 shall meet the following minimum data availability requirements:

(1) In accordance with 25 Pa. Code section 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(i) In each calendar month, at least 90% of the time periods for which the emission standard applies, shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001, or

(ii) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

VII. ADDITIONAL REQUIREMENTS.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with all applicable requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act, including all applicable provisions pertaining to Source ID 032 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

**SECTION D. Source Level Requirements****# 029 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 032 is a 1954 vintage, Babcock Wilcox, dry bottom, front wall-fired, balanced draft, divided furnace drum type utility boiler with a rated heat input capacity of 1,345 MMBtu/hr. The boiler shall be fueled with natural gas, and No. 2 oil may also be used during a startup period for natural gas burner ignition. The air contaminant emissions from the boiler while the permittee is using natural gas as fuel to operate shall be controlled by Riley Power Inc.'s Low NOx Natural Gas Burners. Additionally, flue gas recirculation (FGR) may be utilized, if necessary for good combustion.

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

**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: UTILITY BOILER - UNIT 3

Source Capacity/Throughput: 1,790.000 MMBTU/HR

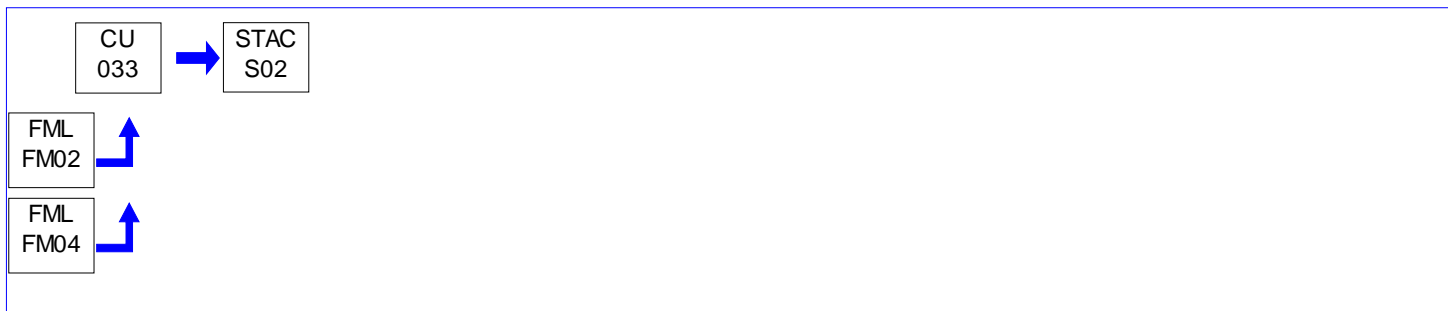
1.755 MMCF/HR

Natural Gas

1,500.000 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: CSAPR
PAL CONDITIONS
RACT UTILITY BOILERS

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from Source ID 033 in excess of the rate of 0.1 pounds per million Btu of heat input.

[Compliance with the fuel restrictions other requirements for Source ID 033 herein will verify compliance with the above limit.]

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

[Compliance with the SO₂ emission limit in this condition will assure compliance with the applicable SO₂ emission limit in 25 Pa. Code Section 123.22]

Applying 40 CFR Section 50.4, National primary ambient air quality standards for sulfur oxides (sulfur dioxide, SO₂) in conjunction with 40 CFR Section 51.1204, enforceable emission limit providing for attainment, the combined SO₂ emissions from Source IDs 033 and 034 shall not exceed 3580.0 pounds per hour (lb/hr) 1-hour average (on a clock-hour average basis).

[Compliance with the fuel restrictions other requirements for Source IDs 033 and 034 herein will verify compliance with the above limit.]

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

Attached to the Title V operating permit is the Phase II Title IV (Acid Rain) permit in its entirety for Source ID 033. The entire Title IV permit is incorporated into the Title V operating permit by reference. The expiration date of the Title IV permit is the same as the expiration date of the Title V operating permit. Certain requirements from the Acid Rain permit have been reiterated in the body of this Title V operating permit for emphasis.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.531]

(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 Source ID 033.

**SECTION D. Source Level Requirements**

- (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 a 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.

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived by 25 Pa. Code Section 127.444]

The Source ID 033 utility boiler shall be fired on pipeline natural gas and No. 2 fuel oil only.

- i) Natural gas used as fuel to operate Source ID 033 shall meet the specifications for pipeline natural gas as verified by the required, periodic analyses of representative fuel sampling, including total sulfur content and percent methane of the natural gas supplied.
- ii) No. 2 oil consumed by the oil igniters associated with Source ID 033 shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added. Additionally, the sulfur content of all #2 fuel oil shipments for Source ID 033 shall be less than or equal to 500 ppmw or 0.05% by weight through August 31, 2020. Beginning on September 1, 2020, the sulfur content shall be no more than 15 ppm by weight or 0.0015% by weight.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv), (2) - (4), (6) - (8), (12), (14) and (15)]

(a) The required Continuous Emission Monitoring (CEMS) for Source ID 033 including the system's components shall be installed, operated, maintained and certified in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001 and the operation and maintenance requirements established in 40 CFR Part 75 Subpart C.

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall conduct at least annual representative gas fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the total sulfur content of the gas used to operate Source ID 033 is within pipeline specifications for natural gas, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall conduct at least monthly representative gas fuel sampling and analyses to monitor the gross calorific

**SECTION D. Source Level Requirements**

value (GCV) of the gas used to operate Source ID 033, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.511 and 139.16]

The permittee shall conduct representative oil fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the sulfur content of the No. 2 oil used to operate Source ID 033 as delivered, is less than or equal to 500 Parts per Million (ppm) by weight or 0.05% by weight through August 31, 2020, and shall be no more than 15 ppm by weight or 0.0015% by weight beginning on September 1, 2020, using the applicable methods and procedures as specified under 25 Pa. Code Section 139.16 or Appendix D to 40 CFR Part 75.

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

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

The permittee shall conduct representative oil fuel sampling and analyses and/or obtain fuel supplier certification reports to monitor the gross calorific value (GCV) of the No. 2 oil used to operate Source ID 033 as delivered, using the applicable methods and procedures as specified under Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of natural gas combusted in Source ID 033 by using its gas flowmeter that shall be certified and operated by the permittee according to Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of No. 2 oil combusted in Source ID 033 using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

The permittee shall comply with the applicable monitoring requirements pertaining to Source ID 033 as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B).

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

[Additional authority for this permit condition is derived from 40 CFR section 75.2, and 25 Pa. Code section 139.101(5)]

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the recordkeeping requirements established in 40 CFR Part 75 Subpart F.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance

**SECTION D. Source Level Requirements**

with this permit condition.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of natural gas burned (CF) in Source ID 033 on an hourly, daily, monthly, quarterly and 12-month rolling basis using its gas flowmeter monitoring data.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and record the quarterly and year-to-date heat input (m mBtu) to Source ID 033 as derived from No. 2 oil combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (m mBtu) to Source ID 033 from No. 2 oil combustion on a monthly and 12-month rolling basis.

Assumed GCV value for the total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the fuel supplier and/or representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

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

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

(a) The permittee shall generate and keep records that demonstrate the Source ID 033 gas fuel flowmeter is continually certified and operated according to Appendix D to 40 CFR Part 75.

(b) The permittee shall generate and keep records that demonstrate the methods and procedures used to derive Source ID 033 startup fuel usage (monthly total gallons of No. 2 oil burned) are in accordance with the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

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

The permittee shall generate and keep records of the stack test reports and emission calculations and the monitoring data to verify compliance with the particulate matter emission limitation for Source ID 033.

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

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

(a) The permittee shall generate and keep records of the Source ID 033 representative gas fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance with the total sulfur content limit.

(b) The permittee shall generate and keep records of the Source ID 033 representative gas fuel sampling and analyses data to verify assumed GCV value(s) are valid.

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

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

**SECTION D. Source Level Requirements**

(a) The permittee shall generate and keep records of the Source ID 033 representative oil fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance with the total sulfur content limit.

(b) The permittee shall generate and keep records of the Source ID 033 representative oil fuel sampling and analyses reports and/or fuel supplier certification reports to verify assumed GCV value(s) are valid.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID 033, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B) & (C).

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the hourly heat input rate (mmBtu/hr), the quarterly heat input (mmBtu) and the year-to-date heat input (mmBtu) to Source ID 033 as derived from gas combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (mmBtu) to Source ID 033 from gas combustion on a daily, monthly and 12-month rolling basis.

Assumed GCV value for the heat input rate and total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of No. 2 oil burned (gallon) in Source ID 033 on a monthly, quarterly and 12-month rolling basis.

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

[Additional authority for this permit condition is derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv) and (10)]

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the reporting requirements established in 40 CFR Part 75 Subpart G.

The permittee shall report emissions for all periods of Source ID 033 operation, including startup, shutdown and malfunction.

Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

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

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

**SECTION D. Source Level Requirements**

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

025 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Within 60 days after the end of each calendar year, the permittee shall comply with the applicable reporting requirements pertaining to Source ID 033, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(D).

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

(a) The required NOx Continuous Emission Monitoring System for Source ID 033 shall meet the following minimum data availability requirements:

(1) In accordance with 25 Pa. Code section 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(i) In each calendar month, at least 90% of the time periods for which the emission standard applies, shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001, or

(ii) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

The permittee shall comply with all applicable requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act, including all applicable provisions pertaining to Source ID 033 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

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

Source ID 033 is a 1959 vintage, Combustion Engineering, tangential fired, balanced draft, divided furnace, with a combined circulation, radiant, reheat boiler with a rated heat input capacity of 1,790 MMBtu/hr. The boiler shall be fueled with natural gas, and No. 2 oil may also be used during a startup period for natural gas burner ignition. The air contaminant emissions from the boiler while the permittee is using natural gas as fuel to operate shall be controlled by Riley Power Inc.'s Low NOx Natural Gas Burners with over-fire air.

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

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: UTILITY BOILER - UNIT 4

Source Capacity/Throughput: 1,790.000 MMBTU/HR

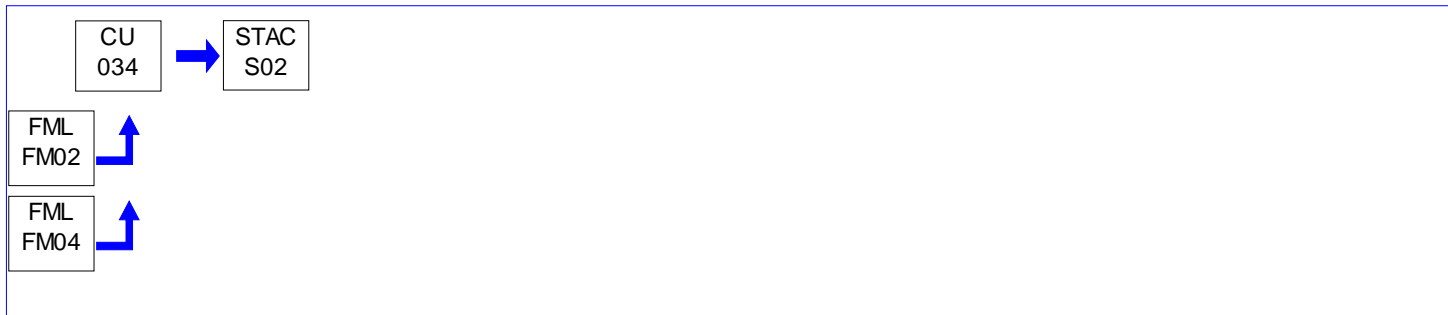
1.755 MMCF/HR

Natural Gas

1,500.000 Gal/HR

#2 Oil

Conditions for this source occur in the following groups: CSAPR
 PAL CONDITIONS
 RACT UTILITY BOILERS

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from Source ID 034 in excess of the rate of 0.1 pounds per million Btu of heat input.

[Compliance with the fuel restrictions other requirements for Source ID 034 herein will verify compliance with the above limit.]

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

[Compliance with the SO₂ emission limit in this condition will assure compliance with the applicable SO₂ emission limit in 25 Pa. Code Section 123.22]

Applying 40 CFR Section 50.4, National primary ambient air quality standards for sulfur oxides (sulfur dioxide, SO₂) in conjunction with 40 CFR Section 51.1204, enforceable emission limit providing for attainment, the combined SO₂ emissions from Source IDs 033 and 034 shall not exceed 3580.0 pounds per hour (lb/hr) 1-hour average (on a clock-hour average basis).

[Compliance with the fuel restrictions other requirements for Source IDs 033 and 034 herein will verify compliance with the above limit.]

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

[Authority for this permit condition is also derived from the applicable provisions pertaining to the modification authorized by Plan Approval No: 17-00001G, as specified under 25 Pa. Code Section 127.203a(a)(5)(iii).]

The permittee shall not permit the combined total emissions of volatile organic compounds (VOCs, expressed as propane) into the atmosphere from Source IDs 031, 032, 033 and 034 to be greater than 23.8 tons in any 12 consecutive month period.

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

Attached to the Title V operating permit is the Phase II Title IV (Acid Rain) permit in its entirety for Source ID 034. The entire Title IV permit is incorporated into the Title V operating permit by reference. The expiration date of the Title IV permit is the same as the expiration date of the Title V operating permit. Certain requirements from the Acid Rain permit have been

**SECTION D. Source Level Requirements**

reiterated in the body of this Title V operating permit for emphasis.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.531]

- (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 Source ID 034.
- (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 a 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.

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

[Authority is also derived by 25 Pa. Code Section 127.444]

The Source ID 034 utility boiler shall be fired on pipeline natural gas and No. 2 fuel oil only.

- i) Natural gas used as fuel to operate Source ID 034 shall meet the specifications for pipeline natural gas as verified by the required, periodic analyses of representative fuel sampling, including total sulfur content and percent methane of the natural gas supplied.
- ii) No. 2 oil consumed by the oil igniters associated with Source ID 034 shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added. Additionally, the sulfur content of all #2 fuel oil shipments for Source ID 034 shall be less than or equal to 500 ppmw or 0.05% by weight through August 31, 2020. Beginning on September 1, 2020, the sulfur content shall be no more than 15 ppm by weight or 0.0015% by weight.

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

[Authority for this permit condition is also derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv), (2) - (4), (6) - (8), (12), (14) and (15)]

- (a) The required Continuous Emission Monitoring (CEMS) for Source ID 031 including the system's components shall be installed, operated, maintained and certified in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001 and the operation and maintenance requirements established in 40 CFR Part 75 Subpart C.
- (b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

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

The permittee shall conduct at least annual representative gas fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the total sulfur content of the gas used to operate Source ID 034 is within pipeline specifications for natural gas, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

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

The permittee shall conduct at least monthly representative gas fuel sampling and analyses to monitor the gross calorific value (GCV) of the gas used to operate Source ID 034, using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.511 and 139.16]

The permittee shall conduct representative oil fuel sampling and analyses and/or obtain fuel supplier certification reports to verify that the sulfur content of the No. 2 oil used to operate Source ID 034 as delivered, is less than or equal to 500 Parts per Million (ppm) by weight or 0.05% by weight through August 31, 2020, and shall be no more than 15 ppm by weight or 0.0015% by weight beginning on September 1, 2020, using the applicable methods and procedures as specified under 25 Pa. Code Section 139.16 or Appendix D to 40 CFR Part 75.

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

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

The permittee shall conduct representative oil fuel sampling and analyses and/or obtain fuel supplier certification reports to monitor the gross calorific value (GCV) of the No. 2 oil used to operate Source ID 034 as delivered, using the applicable methods and procedures as specified under Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of natural gas combusted in Source ID 034 by using its gas flowmeter that shall be certified and operated by the permittee according to Appendix D to 40 CFR Part 75.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall continuously monitor the amount of No. 2 oil combusted in Source ID 034 using the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

The permittee shall comply with the applicable monitoring requirements pertaining to Source ID 034 as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B).

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

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

(a) The permittee shall generate and keep records of the Source ID 034 representative oil fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance with the total sulfur content limit.

(b) The permittee shall generate and keep records of the Source ID 034 representative oil fuel sampling and analyses reports and/or fuel supplier certification reports to verify assumed GCV value(s) are valid.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID 034, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(B) & (C).

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

[Additional authority for this permit condition is derived from 40 CFR section 75.2, and 25 Pa. Code section 139.101(5)]

The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the recordkeeping requirements established in 40 CFR Part 75 Subpart F.

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

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of natural gas burned (CF) in Source ID 034 on an hourly, daily, monthly, quarterly and 12-month rolling basis using its gas flowmeter monitoring data.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the hourly heat input rate (mmBtu/hr), the quarterly heat input (mmBtu) and the year-to-date heat input (mmBtu) to Source ID 034 as derived from gas combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (mmBtu) to Source ID 034 from gas combustion on a daily, monthly and 12-month rolling basis.

Assumed GCV value for the heat input rate and total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and keep records of the consumption of No. 2 oil burned (gallon) in Source ID 034 on a monthly, quarterly and 12-month rolling basis.

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

[Authority for the requirements in this permit condition are also derived from 40 CFR Part 75 and Section 52.21(aa)(7), and 25 Pa. Code Section 127.218]

The permittee shall generate and record the quarterly and year-to-date heat input (mmBtu) to Source ID 034 as derived from No. 2 oil combustion, in accordance with the applicable procedures as specified in Appendix D to 40 CFR Part 75. The permittee shall also generate and keep records of the total heat input (mmBtu) to Source ID 034 from No. 2 oil combustion on a monthly and 12-month rolling basis.

Assumed GCV value for the total heat input calculations, above may only be used if the GCV value is greater than the value as determined by the fuel supplier and/or representative sampling and analyses. If a higher value is obtained, the permittee shall use it as the new assumed value.

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

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

(a) The permittee shall generate and keep records that demonstrate the Source ID 034 gas fuel flowmeter is continually certified and operated according to Appendix D to 40 CFR Part 75.

(b) The permittee shall generate and keep records that demonstrate the methods and procedures used to derive Source ID 034 startup fuel usage (monthly total gallons of No. 2 oil burned) are in accordance with the applicable methods and procedures under Appendix D to 40 CFR Part 75.

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

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

The permittee shall generate and keep records of the stack test reports and emission calculations and the monitoring data to verify compliance with the particulate matter emission limitation for Source ID 034.

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

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

(a) The permittee shall generate and keep records of the Source ID 034 representative gas fuel sampling and analyses reports and/or fuel supplier certification reports to verify compliance with the total sulfur content limit.

(b) The permittee shall generate and keep records of the Source ID 034 representative gas fuel sampling and analyses data to verify assumed GCV value(s) are valid.

V. REPORTING REQUIREMENTS.**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR section 75.2, and 25 Pa. Code sections 139.101(1)(iv) and (10)]

The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 7, 274-0300-001, and the reporting requirements established in 40 CFR Part 75 Subpart G.

The permittee shall report emissions for all periods of Source ID 034 operation, including startup, shutdown and

**SECTION D. Source Level Requirements**

malfunction.

Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

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

Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

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

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Within 60 days after the end of each calendar year, the permittee shall comply with the applicable reporting requirements pertaining to Source ID 034, as specified in 25 Pa. Code Section 127.203a(a)(5)(iii)(D).

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

(a) The required NOx Continuous Emission Monitoring System for Source ID 034 shall meet the following minimum data availability requirements:

(1) In accordance with 25 Pa. Code section 139.101(12), required monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(i) In each calendar month, at least 90% of the time periods for which the emission standard applies, shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001, or

(ii) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

The permittee shall comply with all applicable requirements and procedures established in regulations promulgated under Title IV of the Clean Air Act, including all applicable provisions pertaining to Source ID 034 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

**SECTION D. Source Level Requirements****# 029 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 034 is a 1960 vintage, Combustion Engineering, tangential fired, balanced draft, divided furnace, with a combined circulation, radiant, reheat boiler with a rated heat input capacity of 1,790 MMBtu/hr. The boiler shall be fueled with natural gas, and No. 2 oil may also be used during a startup period for natural gas burner ignition. The air contaminant emissions from the boiler while the permittee is using natural gas as fuel to operate shall be controlled by Riley Power Inc.'s Low NOx Natural Gas Burners with over-fire air.

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

**SECTION D. Source Level Requirements**

Source ID: 038

Source Name: 15 SPACE HEATERS

Source Capacity/Throughput: 0.600 MMBTU/HR

Conditions for this source occur in the following groups: PAL CONDITIONS

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 038 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID 038 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The permittee shall only use virgin No. 2 or lighter oil as fuel to operate any of the space heaters associated with Source ID 038 to which no reclaimed or waste oil or other waste materials have been added.

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

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

The permittee shall generate and keep records of the potential SO₂ emission calculations for Source ID 038, in units of ppmvd, to verify compliance with the applicable SO_x emission limitation, as well as the representative fuel sampling data and other supporting information. These records shall be retained for a period of five (5) years and shall be made available to the Department upon request.

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

Authority for this permit condition is also derived from 25 Pa. Code Section 127.511]

The permittee shall generate and keep records of the potential PM emission calculations for Source ID 038, in units of grain per dscf, to verify compliance with the applicable PM emission limitation, as well as the supporting documentation. These records shall be retained for a period of five (5) years and shall be made available to the Department upon request.

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

[Authority for this permit condition is also derived from 25 Pa. Code section 129.100]

The permittee shall generate and keep records of information that is sufficient to demonstrate that Source ID 038 is installed, operated and maintained in accordance with manufacturer's specifications and with good operating practices.

V. REPORTING REQUIREMENTS.

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

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

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

The permittee shall install, maintain and operate Source ID 038 in accordance with manufacturer's specifications and with good operating practices.

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

Source ID 038 consists of fifteen space heaters.

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

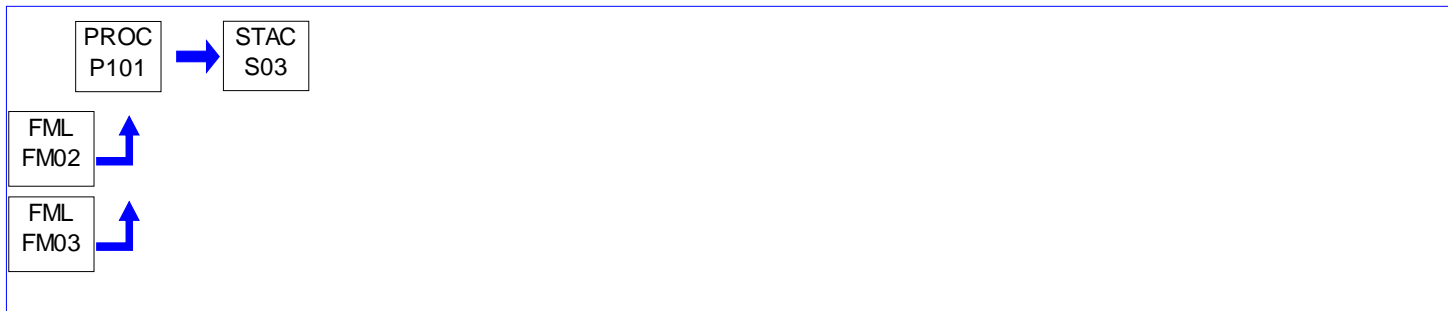
**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: STARTUP GENERATOR 5

Source Capacity/Throughput: 163.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: MACT SUBPART ZZZZ
PAL CONDITIONS
RACT ENGINES

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P101 in a manner that the concentration of particulate matter in the exhaust gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P101 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the exhaust gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use diesel or No. 2 as fuel to operate Source ID P101 to which no reclaimed or waste oil or other waste materials have been added.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

**SECTION D. Source Level Requirements**

The permittee shall generate and keep records of the potential SO₂ emission calculations for Source ID P101, in units of ppmvd, to verify compliance with the applicable SO_x emission limitation, as well as the representative fuel sampling data and other supporting information.

The permittee shall generate and keep records of the potential PM emission calculations for Source ID P101, in units of grain per dscf, to verify compliance with the applicable PM emission limitation, as well as the supporting documentation.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit semi-annual reports for Source ID P101 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P101 (Unit 5) is a 2880-hp General Motors diesel engine used to run a generator with a rated capacity of 2 MWe/hr.

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

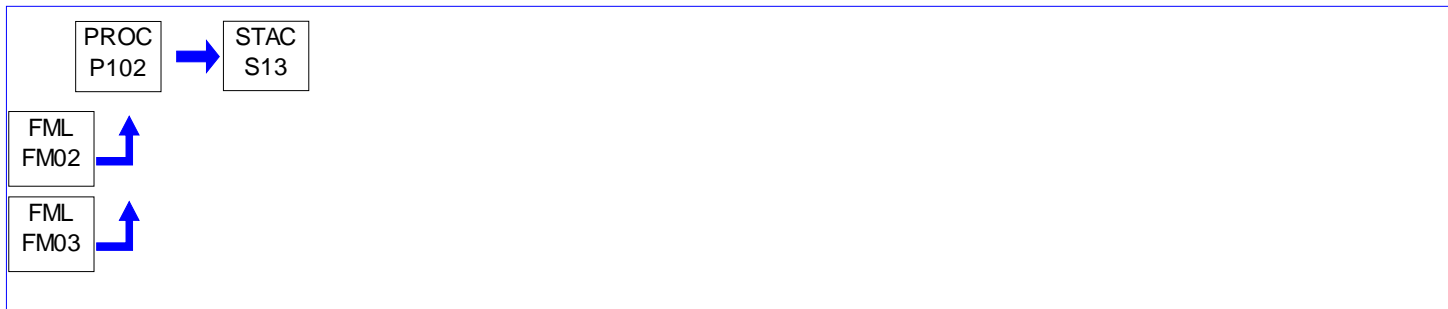
**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: STARTUP GENERATOR 6

Source Capacity/Throughput: 163.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: MACT SUBPART ZZZZ
PAL CONDITIONS
RACT ENGINES

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P102 in a manner that the concentration of particulate matter in the exhaust gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P102 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the exhaust gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use diesel or No. 2 as fuel to operate Source ID P102 to which no reclaimed or waste oil or other waste materials have been added.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

**SECTION D. Source Level Requirements**

The permittee shall generate and keep records of the potential SO₂ emission calculations for Source ID P102, in units of ppmvd, to verify compliance with the applicable SO_x emission limitation, as well as the representative fuel sampling data and other supporting information.

The permittee shall generate and keep records of the potential PM emission calculations for Source ID P102, in units of grain per dscf, to verify compliance with the applicable PM emission limitation, as well as the supporting documentation.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit semi-annual reports for Source ID P102 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P102 (Unit 6) is a 2880-hp General Motors diesel engine used to run a generator with a rated capacity of 2 MWe/hr.

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

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: STARTUP GENERATOR 7

Source Capacity/Throughput: 163.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: MACT SUBPART ZZZZ
PAL CONDITIONS
RACT ENGINES

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P103 in a manner that the concentration of particulate matter in the exhaust gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P103 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the exhaust gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use diesel or No. 2 as fuel to operate Source ID P103 to which no reclaimed or waste oil or other waste materials have been added.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

**SECTION D. Source Level Requirements**

The permittee shall generate and keep records of the potential SO₂ emission calculations for Source ID P103, in units of ppmvd, to verify compliance with the applicable SO_x emission limitation, as well as the representative fuel sampling data and other supporting information.

The permittee shall generate and keep records of the potential PM emission calculations for Source ID P103, in units of grain per dscf, to verify compliance with the applicable PM emission limitation, as well as the supporting documentation.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit semi-annual reports for Source ID P103 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 (Unit 7) is a 2880-hp General Motors diesel engine used to run a generator with a rated capacity of 2 MWe/hr.

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

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: EMERGENCY GENERATOR (FOR UNITS 1&2)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MACT SUBPART ZZZZ
PAL CONDITIONS
RACT ENGINES

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P104 in a manner that the concentration of particulate matter in the exhaust gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P104 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the exhaust gas exceeds 500 parts per million, by volume, dry basis.

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

The permittee shall only use diesel as fuel to operate Source ID P104 to which no reclaimed or waste oil or other materials have been added.

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

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

The permittee shall generate and keep records of the potential SO₂ emission calculations for Source ID P104, in units of ppmvd, to verify compliance with the applicable SO_x emission limitation, as well as the representative fuel sampling data and other supporting information.

**SECTION D. Source Level Requirements**

The permittee shall generate and keep records of the potential PM emission calculations for Source ID P104, in units of grain per dscf, to verify compliance with the applicable PM emission limitation, as well as the supporting documentation.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit semi-annual reports for Source ID P104 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P104 (Unit 1-2) consists of a model #62400RA, 254 horsepower, General Motors diesel emergency generator.

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

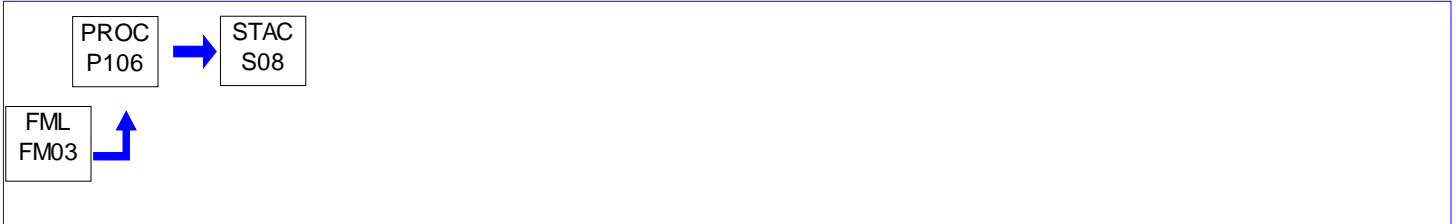
**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: 2 FIRE PUMP ENGINES

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MACT SUBPART ZZZZ
PAL CONDITIONS
RACT ENGINES

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

No person may permit the emission into the outdoor atmosphere of particulate matter from each engine in Source ID P106 in a manner that the concentration of particulate matter in the exhaust gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from each engine in Source ID P106 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the exhaust gas exceeds 500 parts per million, by volume, dry basis.

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

The permittee shall only use diesel as fuel to operate each engine in Source ID P106 to which no reclaimed or waste oil or other materials have been added.

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

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

The permittee shall generate and keep records of the potential SO₂ emission calculations for each engine in Source ID P106, in units of ppmvd, to verify compliance with the applicable SO_x emission limitation, as well as the representative fuel sampling data and other supporting information.

**SECTION D. Source Level Requirements**

The permittee shall generate and keep records of the potential PM emission calculations for each engine in Source ID P106, in units of grain per dscf, to verify compliance with the applicable PM emission limitation, as well as the supporting documentation.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit semi-annual reports for Source ID P106 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P106 consists of two (2) model #NT-380-IF, 283 horsepower, Cummings diesel fire pump engines.

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

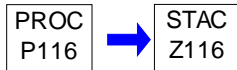
**SECTION D. Source Level Requirements**

Source ID: P116

Source Name: WATER TREATMENT OPERATIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PAL CONDITIONS

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.100 and 129.115]

(a) The permittee claiming that the Source ID P116 air contamination sources are exempt from RACT based on the potential to emit shall maintain records that demonstrate to the Department that the air contamination sources are not subject to the specified emission rate threshold.

(b) The records necessary to determine compliance shall be submitted to the Department within the required semi-annual reporting herein.

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

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

The permittee shall submit semi-annual reports for Source ID P116 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

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

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

The water treatment operations of P116 include all activities and processes associated with treating wastewater at the facility, as follows: the lime silo with fabric filter, clarifying pools, mixing and settling tanks, all pH adjustment procedures and all other wastewater treatment conducted at the facility.



SECTION D. Source Level Requirements

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

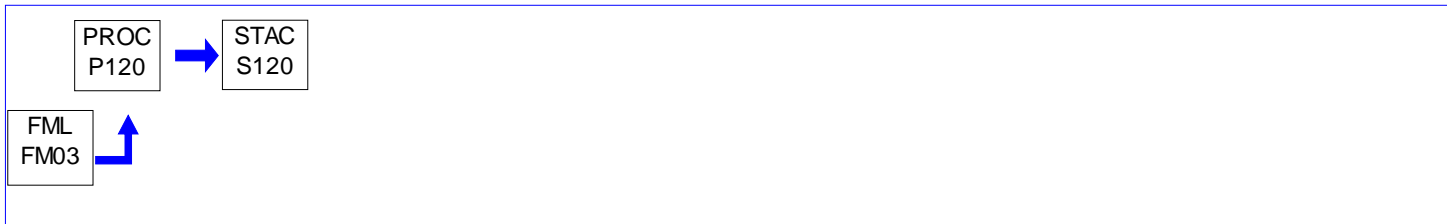
**SECTION D. Source Level Requirements**

Source ID: P120

Source Name: EMERGENCY GENERATOR (FOR UNITS 3&4)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MACT SUBPART ZZZZ
PAL CONDITIONS
RACT ENGINES

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P120 in a manner that the concentration of particulate matter in the exhaust gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P120 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the exhaust gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use diesel as fuel to operate Source ID P120 to which no reclaimed or waste oil or other materials have been added.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall generate and keep records of the potential SO₂ emission calculations for Source ID P120, in units of ppmvd, to verify compliance with the applicable SO_x emission limitation, as well as the representative fuel sampling data and other supporting information.

**SECTION D. Source Level Requirements**

The permittee shall generate and keep records of the potential PM emission calculations for Source ID P120, in units of grain per dsf, to verify compliance with the applicable PM emission limitation, as well as the supporting documentation.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit semi-annual reports for Source ID P120 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P120 (Unit 3-4) consists of a Caterpillar model D200P3 emergency generator rated at 242 kW.

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

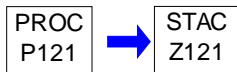
**SECTION D. Source Level Requirements**

Source ID: P121

Source Name: PARTS WASHER

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PAL CONDITIONS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

A person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

Throughput Restriction(s).**# 002 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall not at any time use halogenated solvent cleaners in Source ID P121.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.100 and 129.115]

(a) The permittee claiming that the Source ID P121 air contamination source is exempt from RACT based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department that the air contamination source is not subject to the specified emission rate threshold.

(b) The records necessary to determine compliance shall be submitted to the Department within the required semi-annual reporting herein.

004 [25 Pa. Code §129.63]**Degreasing operations**

(a) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

**SECTION D. Source Level Requirements**

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(b) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (a). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit semi-annual reports for Source ID P121 as required herein.

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §129.63]

Degreasing operations

(1) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (2). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(2) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §129.63]

Degreasing operations

Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

**SECTION D. Source Level Requirements****# 008 [25 Pa. Code §129.63]****Degreasing operations**

Source ID P121 is a parts cleaning station located in the shop area.

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

**SECTION D. Source Level Requirements**

Source ID: P201

Source Name: MECHANICAL DRAFT COOLING TOWER

Source Capacity/Throughput: 295.600 Th Gal/HR

Conditions for this source occur in the following groups: PAL CONDITIONS

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

[Compliance with this permit condition assures compliance with the applicable particulate matter limitation as specified in 25 Pa. Code Section 123.13]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the particulate matter (filterable and condensable) emitted from Source ID P201 shall not exceed 3.0 pounds per hour.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the particulate matter (filterable and condensable) emitted from Source ID P201 shall not exceed 4.9 tons in any 12 consecutive month period.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the PM-10 emitted from Source ID P201 shall not exceed 3.0 pounds per hour.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the PM-10 emitted from Source ID P201 shall not exceed 4.9 tons in any 12 consecutive month period.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the PM_{2.5} emitted from Source ID P201 shall not exceed 3.0 pounds per hour.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the PM_{2.5} emitted from Source ID P201 shall not exceed 4.9 tons in any 12 consecutive month period.

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

[Additional authority for this permit condition is also derived from 40 CFR Section 63.400]

The permittee shall not use any chromium-based water treatment chemicals in Source ID P201.

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

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

**SECTION D. Source Level Requirements**

The Source ID P201 total dissolved solids in parts per million by weight shall not exceed 4000, at any time.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate and maintain non-resettable elapsed operating hour meters or equivalent software to accurately indicate the elapsed operating time of cooling tower circulating pumps.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate, maintain and calibrate in accordance with the manufacturer's recommendations conductivity monitor for the circulating water or blowdown water in Source ID P201.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for the minimum valid data requirement in this permit condition is also derived from 25 Pa. Code Chapter 139]

(a) The permittee shall determine the Source ID P201 total dissolved solids in parts per million by weight using conductivity monitor. The valid data shall be reduced to hourly and monthly averages. In each calendar month, at least 90% of the hourly averages shall be valid. Data shall be used to calculate an hourly average if one valid data reading, at least, is obtained in each 15-minute quadrant during cooling tower operation.

(b) If the total dissolved solids conductivity measurement is approaching the maximum limitation, an alarm is triggered and corrective action shall be taken.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for the minimum valid data requirement in this permit condition is also derived from 25 Pa. Code Chapter 139]

The permittee shall determine the Source ID P201 total circulating water flow rate in gallons per minute using cooling tower circulating pump discharge pressure and speed monitors, and the pump manufacturer's performance curve. The valid data shall be reduced to hourly and monthly averages. In each calendar month, at least 90% of the hourly averages shall be valid. Data shall be used to calculate an hourly average if one valid data reading, at least, is obtained in each 15-minute quadrant during cooling tower operation.

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following information for Source ID P201:

- (1) The hours of operation of each cooling tower circulating pump in each calendar month;
- (2) The total circulating water flow rate data, including the hourly and monthly averages;
- (3) The total dissolved solids data, including the hourly and monthly averages;

**SECTION D. Source Level Requirements**

(4) The particulate matter, PM-10 and PM2.5 emissions based on the monthly total dissolved solids and total circulating water flow rate averages, on a calendar month and 12-month rolling basis to verify compliance with the 12-month rolling limitations of total emissions of these pollutants; and

(5) Monitoring equipment design data, maintenance, and repair information, including dates and times of repairs or maintenance.

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

The permittee shall maintain the following records for the monitoring equipment on Source ID P201, to show compliance with the minimum valid monitoring data requirements specified above.

(1) Periods of monitoring malfunctions including, at a minimum, the date and time the malfunction occurred;

(2) A description of the monitoring malfunction and the corrective action taken;

(3) The date and time corrective action were initiated;

(4) The date and time corrective actions were completed and the repaired equipment was returned to compliance;

(5) Duration of monitoring malfunction periods in each calendar month; and

(6) Hours of operation of Source ID P201 in each calendar month.

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

The permittee shall obtain and keep record of a guarantee from the drift eliminator vendor that shows the drift eliminators (ID C201) installed in Source ID P201 meets a drift rate of 0.0005%.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.100 and 129.115]

(a) The permittee claiming that the Source ID P201 air contamination sources are exempt from RACT based on the potential to emit shall maintain records that demonstrate to the Department that the air contamination sources are not subject to the specified emission rate threshold.

(b) The records necessary to determine compliance shall be submitted to the Department within the required semi-annual reporting herein.

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

The permittee shall submit reports to the Department on a semi-annual basis that include the supporting calculations used to verify compliance with the rolling 12-month emission restrictions. The semi-annual reports shall be submitted to the Department no later than March 1 for the reporting period from July 1 through December 31 of the previous year and no later than September 1 for the reporting period from January 1 through June 30 of the concurrent year.

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

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

The permittee shall submit semi-annual reports for Source ID P201 as required herein.

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

The permittee shall maintain the drift eliminator installed on Source ID P201 in accordance with the manufacturer's specifications.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, Source ID P201 shall be a mechanical draft cooling tower with 16 cells. Source ID P201 shall be equipped with high efficiency drift eliminators (ID C201), and ID C201 shall control the drift rate from Source ID P201 into the outdoor atmosphere, to a level not exceeding 0.0005% of the total circulating water flow rate.

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

**SECTION E. Source Group Restrictions.**

Group Name: CSAPR

Group Description: Transport Rule (TR) Trading Program Title V Requirements

Sources included in this group

ID	Name
031	UTILITY BOILER - UNIT 1
032	UTILITY BOILER - UNIT 2
033	UTILITY BOILER - UNIT 3
034	UTILITY BOILER - UNIT 4

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with all applicable requirements pertaining to each Source ID 031 through 034, as specified in 40 CFR Part 97, subpart GGGGG, §§ 97.1001 through 97.1035.

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.

Source IDs 031 through 034 are subject to the requirements for the TR NOX Annual Trading Program, TR NOX Ozone Season Trading Program and TR SO2 Group 1 Trading Program. While meeting the definition of gas-fired units, the unit-specific monitoring provisions at this source are identified, as follows.

For SO2: Expected monitoring system requirements for gas-fired units pursuant to 40 CFR part 75, appendix D.

For NOx: Continuous emission monitoring system or systems (CEMS) requirements for gas-fired nonpeaking units pursuant to 40 CFR part 75, subpart H (for NOX monitoring). Specifically, NOx-diluent continuous emission monitoring system on each Source ID 031 and 032 and a NOx-diluent continuous emission monitoring system on Source ID 033/034 common stack pursuant to 40 CFR Sections 75.71 and 75.72, respectively.

For Heat Input: Expected monitoring system requirements for gas-fired units pursuant to 40 CFR part 75, appendix D and expected monitoring system requirements for the Units 3/4 common stack pursuant to 40 CFR part 75, appendix F, section 8.1.2.

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 (TR NOX Annual Trading Program), 97.530 through 97.535 (TR NOX Ozone Season Trading Program), and 97.630 through 97.635 (TR SO2 Group 1 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.

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

3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR part 75, subpart E and 40 CFR 75.66 and 97.435 (TR NOX Annual Trading Program), 97.535 (TR NOX Ozone Season Trading Program), and/or 97.635 (TR SO2 Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.

**SECTION E. Source Group Restrictions.**

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 (TR NOX Annual Trading Program), 97.530 through 97.534 (TR NOX Ozone Season Trading Program), and/or 97.630 through 97.634 (TR SO₂ Group 1 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 97.435 (TR NOX Annual Trading Program), 97.535 (TR NOX Ozone Season Trading Program), and/or 97.635 (TR SO₂ Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.

5. The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.430 through 97.434 (TR NOX Annual Trading Program), 97.530 through 97.534 (TR NOX Ozone Season Trading Program), and 97.630 through 97.634 (TR SO₂ Group 1 Trading Program).

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.

**# 003 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO₂ Trading Programs §40 CFR 97.406]
Subpart AAAAA - CSAPR NOX Annual Trading Program
Standard requirements.**

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 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 TR NOX Annual source and each TR 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 TR NOX Annual allowances under 40 CFR 97.411(a)(2) and (b) and 97.412 and to determine compliance with the TR 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) NOX emissions requirements.

(1) TR NOX Annual emissions limitation.

(i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOX Annual source and each TR NOX Annual unit at the source shall hold, in the source's compliance account, TR 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 TR NOX Annual units at the source.

**SECTION E. Source Group Restrictions.**

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

(A). The owners and operators of the source and each TR NOX Annual unit at the source shall hold the TR NOX Annual allowances required for deduction under 40 CFR 97.424(d); and

(B). The owners and operators of the source and each TR 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) TR NOX Annual assurance provisions.

(i). If total NOX emissions during a control period in a given year from all TR NOX Annual units at TR 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) TR 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 TR NOX Annual units at TR NOX Annual sources in the state for such control period exceed the state assurance level.

(ii). The owners and operators shall hold the TR 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 TR NOX Annual units at TR 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 TR NOX Annual units at TR 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 TR NOX Annual units at TR 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 TR 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 TR 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 TR 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 TR 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.

**SECTION E. Source Group Restrictions.**

(4) Vintage of allowances held for compliance.

(i). A TR 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 TR NOX Annual allowance that was allocated for such control period or a control period in a prior year.

(ii). A TR 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 TR 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 TR 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 TR 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 TR 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 TR 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 TR NOX Annual allowances in accordance with 40 CFR part 97, subpart AAAAA.

(2) This permit incorporates the TR 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 TR 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 TR NOX Annual source and each TR 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 TR 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 TR NOX Annual Trading Program.

(2) The designated representative of a TR NOX Annual source and each TR NOX Annual unit at the source shall make all submissions required under the TR 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.

**SECTION E. Source Group Restrictions.**

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

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

(g) Effect on other authorities.

No provision of the TR 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 TR NOX Annual source or TR 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.

**# 004 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.506]
Subpart BBBBB - CSAPR NOx Ozone Season Group 1 Trading Program
Standard requirements.**

(a) Designated representative requirements.

The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.513 through 97.518.

(b) Emissions monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the designated representative, of each TR NOX Ozone Season source and each TR NOX Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.530 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.531 (initial monitoring system certification and recertification procedures), 97.532 (monitoring system out-of-control periods), 97.533 (notifications concerning monitoring), 97.534 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.535 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(2) The emissions data determined in accordance with 40 CFR 97.530 through 97.535 shall be used to calculate allocations of TR NOX Ozone Season allowances under 40 CFR 97.511(a)(2) and (b) and 97.512 and to determine compliance with the TR NOX Ozone Season 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 97.530 through 97.535 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

(c) NOX emissions requirements.

(1) TR NOX Ozone Season emissions limitation.

(i). As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOX Ozone Season source and each TR NOX Ozone Season unit at the source shall hold, in the source's compliance account, TR NOX Ozone Season allowances available for deduction for such control period under 40 CFR 97.524(a) in an amount not less than the tons of total NOX emissions for such control period from all TR NOX Ozone Season units at the source.

(ii). If total NOX emissions during a control period in a given year from the TR NOX Ozone Season units at a TR NOX Ozone Season source are in excess of the TR NOX Ozone Season emissions limitation set forth in paragraph (c)(1)(i) above, then:
(A). The owners and operators of the source and each TR NOX Ozone Season unit at the source shall hold the TR NOX Ozone Season allowances required for deduction under 40 CFR 97.524(d); and

(B). The owners and operators of the source and each TR NOX Ozone Season 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 BBBBB and the Clean Air Act.

(2) TR NOX Ozone Season assurance provisions.

(i). If total NOX emissions during a control period in a given year from all TR NOX Ozone Season units at TR NOX Ozone Season sources in the state exceed the state assurance level, then the owners and operators of such sources and units in

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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) TR NOX Ozone Season allowances available for deduction for such control period under 40 CFR 97.525(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.525(b), of multiplying—

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

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

(ii). The owners and operators shall hold the TR NOX Ozone Season 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 TR NOX Ozone Season units at TR NOX Ozone Season 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 Ozone Season trading budget under 40 CFR 97.510(a) and the state's variability limit under 40 CFR 97.510(b).

(iv). It shall not be a violation of 40 CFR part 97, subpart BBBBB or of the Clean Air Act if total NOX emissions from all TR NOX Ozone Season units at TR NOX Ozone Season 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 TR NOX Ozone Season units at TR NOX Ozone Season 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 TR NOX Ozone Season 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 TR NOX Ozone Season 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 BBBBB and the Clean Air Act.

(3) Compliance periods.

(i). A TR NOX Ozone Season unit shall be subject to the requirements under paragraph (c)(1) above for the control period starting on the later of May 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.

(ii). A TR NOX Ozone Season unit shall be subject to the requirements under paragraph (c)(2) 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 97.530(b) and for each control period thereafter.

(4) Vintage of allowances held for compliance.

(i). A TR NOX Ozone Season allowance held for compliance with the requirements under paragraph (c)(1)(i) above for a control period in a given year must be a TR NOX Ozone Season allowance that was allocated for such control period or a control period in a prior year.

(ii). A TR NOX Ozone Season 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 TR NOX Ozone Season 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.

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(5) Allowance Management System requirements. Each TR NOX Ozone Season 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 BBBBB.

(6) Limited authorization. A TR NOX Ozone Season 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 TR NOX Ozone Season Trading Program; and

(ii). Notwithstanding any other provision of 40 CFR part 97, subpart BBBBB, 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 TR NOX Ozone Season 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 TR NOX Ozone Season allowances in accordance with 40 CFR part 97, subpart BBBBB.

(2) This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.530 through 97.535, 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 TR 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 97.506(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 TR NOX Ozone Season source and each TR NOX Ozone Season 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 97.516 for the designated representative for the source and each TR NOX Ozone Season 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 97.516 changing the designated representative.

(ii). All emissions monitoring information, in accordance with 40 CFR part 97, subpart BBBBB.

(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 TR NOX Ozone Season Trading Program.

(2) The designated representative of a TR NOX Ozone Season source and each TR NOX Ozone Season unit at the source shall make all submissions required under the TR NOX Ozone Season Trading Program, except as provided in 40 CFR 97.518. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.

(f) Liability.

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

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

(g) Effect on other authorities.

No provision of the TR NOX Ozone Season Trading Program or exemption under 40 CFR 97.505 shall be construed as

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exempting or excluding the owners and operators, and the designated representative, of a TR NOx Ozone Season source or TR NOx Ozone Season 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 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 TR SO2 Group 1 source and each TR 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 TR SO2 Group 1 allowances under 40 CFR 97.611(a)(2) and (b) and 97.612 and to determine compliance with the TR 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) TR 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 TR SO2 Group 1 source and each TR SO2 Group 1 unit at the source shall hold, in the source's compliance account, TR 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 TR SO2 Group 1 units at the source.

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

(A). The owners and operators of the source and each TR SO2 Group 1 unit at the source shall hold the TR SO2 Group 1 allowances required for deduction under 40 CFR 97.624(d); and

(B). The owners and operators of the source and each TR 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) TR SO2 Group 1 assurance provisions.

(i). If total SO2 emissions during a control period in a given year from all TR SO2 Group 1 units at TR 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) TR 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 for such control period, by which each common

**SECTION E. Source Group Restrictions.**

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 TR SO₂ Group 1 units at TR SO₂ Group 1 sources in the state for such control period exceed the state assurance level.

(ii). The owners and operators shall hold the TR 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 TR SO₂ Group 1 units at TR SO₂ Group 1 sources in the state during a control period in a given year exceed the state assurance level if such total SO₂ emissions exceed the sum, for such control period, of the state SO₂ Group 1 trading budget under 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 SO₂ emissions from all TR SO₂ Group 1 units at TR SO₂ 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 SO₂ emissions from the TR SO₂ Group 1 units at TR SO₂ 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 TR SO₂ 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 TR SO₂ Group 1 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (c)(2)(i) through (iii) 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 TR SO₂ 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 TR SO₂ 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 TR SO₂ 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 TR SO₂ Group 1 allowance that was allocated for such control period or a control period in a prior year.

(ii). A TR SO₂ 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 TR SO₂ 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 TR SO₂ 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 TR SO₂ Group 1 allowance is a limited authorization to emit one ton of SO₂ during the control period in one year. Such authorization is limited in its use and duration as follows:

(i). Such authorization shall only be used in accordance with the TR SO₂ 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.

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(7) Property right. A TR SO₂ 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 TR SO₂ Group 1 allowances in accordance with 40 CFR part 97, subpart CCCCC.

(2) This permit incorporates the TR 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 TR 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 97.606(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 TR SO₂ Group 1 source and each TR SO₂ Group 1 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(i). The certificate of representation under 40 CFR 97.616 for the designated representative for the source and each TR SO₂ Group 1 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 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 TR SO₂ Group 1 Trading Program.

(2) The designated representative of a TR SO₂ Group 1 source and each TR SO₂ Group 1 unit at the source shall make all submissions required under the TR SO₂ 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 TR SO₂ Group 1 Trading Program that applies to a TR SO₂ Group 1 source or the designated representative of a TR SO₂ Group 1 source shall also apply to the owners and operators of such source and of the TR SO₂ Group 1 units at the source.

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

(g) Effect on other authorities.

No provision of the TR SO₂ 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 TR SO₂ Group 1 source or TR SO₂ Group 1 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

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

**SECTION E. Source Group Restrictions.**

Group Name: MACT SUBPART ZZZZ

Group Description: These conditions are for applicable MACT to Source IDs P101 through P104, P106 & P120.

Sources included in this group

ID	Name
P101	STARTUP GENERATOR 5
P102	STARTUP GENERATOR 6
P103	STARTUP GENERATOR 7
P104	EMERGENCY GENERATOR (FOR UNITS 1&2)
P106	2 FIRE PUMP ENGINES
P120	EMERGENCY GENERATOR (FOR UNITS 3&4)

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

[Compliance with this streamlined permit condition will assure compliance with 40 CFR Part 63 Subpart ZZZZ (MACT) pursuant to 40 CFR section 63.6590(b)(3)(iv)]

In accordance with the definition of limited use stationary RICE under 40 CFR section 63.6675, the permittee shall operate each Source ID P101, P102 and P103 less than 100 hours per year to comply with MACT.

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

[Authority for this permit condition is also derived from 40 CFR section 63.6640]

(a) The permittee shall operate each engine of Source ID P104, P106 and P120 as an emergency stationary RICE as defined in 40 CFR Section 63.6675. Accordingly, the permittee may operate each engine incorporated in Source IDs P104, P106 and P120 for non-emergency situations but only for a maximum of 100 hours per calendar year as permitted below. There is no time limit on the use of an emergency stationary RICE in emergency situations unless otherwise specified herein.

(b) Each engine incorporated in Source IDs P104, P106 and P120 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.

(c) Each engine incorporated in Source IDs P104, P106 and P120 may be operated 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. 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.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall monitor the hours of operation of each Source ID P101, P102 and P103 using a non-resettable hour meter.

**SECTION E. Source Group Restrictions.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.6625]

The permittee shall monitor the hours of operation of each engine of Source ID P104, P106 and P120 using a non-resettable hour meter.

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

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

The permittee shall generate and keep records of the hours of operation for each Source ID P101, P102 and P103 on a monthly and 12-month rolling sum basis.

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

[Authority for this permit condition is also derived from 40 CFR section 63.6655(e)]

The permittee shall generate and keep records of the required monitoring data, calculations and other supporting information to demonstrate that each engine of Source ID P104, P106 and P120 has operated 100 hours per calendar year or less in non-emergency situations, as well as a description of all maintenance conducted on each engine of Source ID P104, P106 and P120, including dates of each oil and filter change, dates of each hose, belt and air cleaner inspection and/or replacement, and each oil sampling and analysis used to extend an oil and filter change.

V. REPORTING REQUIREMENTS.

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

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

[Authority for this permit condition is also derived from 40 CFR section 63.6602]

The permittee shall minimize each Source ID P104, P106 and P120 engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

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

[Authority for this permit condition is also derived from 40 CFR section 63.6602]

(a) Except as specified below in (b) of this permit condition, the permittee shall perform the following work practices and maintenance on engine of Source ID P104, P106 and P120:

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

(b) In accordance with the provisions from 40 CFR § 63.6625(i), the permittee may utilize an oil sampling and analysis program to extend the oil and filter change requirement as specified above for any engine of Source ID P104, P106 and P120, if:

- (1) The oil sampling and analysis is performed at the same frequency specified for changing the oil (i.e. every 500 hours of operation or annually, whichever comes first); and

**SECTION E. Source Group Restrictions.**

(2) The program includes at a minimum analysis of the parameters, as follows: Total Base Number, Viscosity, and Percent Water Content;

(c) If all of the condemning parameter limits as specified below in (d) of this permit condition are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee shall change the oil within 2 days of receiving the results of the oil sample analysis.

(d) The condemning parameter limits are as follows:

(1) Total Base Number is less than 30 percent of the Total Base Number of the oil when new;

(2) Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or

(3) Percent water content (by volume) is greater than 0.5.

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Each engine of Source IDs P101 through P104, P106 and P120 is subject to 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all of the applicable requirements pertaining to each engine of Source IDs P101 through P104, P106 and P120, as specified in 40 CFR Sections 63.6580 through 63.6675.

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

**SECTION E. Source Group Restrictions.**

Group Name: PAL CONDITIONS

Group Description: These conditions were derived from the PAL Permit Issued via Plan Approval No: 17-00001F.

Sources included in this group

ID	Name
031	UTILITY BOILER - UNIT 1
032	UTILITY BOILER - UNIT 2
033	UTILITY BOILER - UNIT 3
034	UTILITY BOILER - UNIT 4
038	15 SPACE HEATERS
P101	STARTUP GENERATOR 5
P102	STARTUP GENERATOR 6
P103	STARTUP GENERATOR 7
P104	EMERGENCY GENERATOR (FOR UNITS 1&2)
P106	2 FIRE PUMP ENGINES
P116	WATER TREATMENT OPERATIONS
P120	EMERGENCY GENERATOR (FOR UNITS 3&4)
P121	PARTS WASHER
P201	MECHANICAL DRAFT COOLING TOWER

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Pursuant to 40 CFR 52.21(aa) and 25 PA Code 127.218, each of the following Plantwide Applicability Limits (PALs) in (a)(1) through (a)(10) of this permit condition is effective on the issuance date of Plan Approval 17-00001F, August 25, 2017:

- (1) The emissions of PM_{2.5}, including fugitive emissions, from all emissions units shall be less than 1,180.7 tons in any 12 consecutive month period.
- (2) The emissions of PM₁₀, including fugitive emissions, from all emissions units shall be less than 1,273.2 tons in any 12 consecutive month period.
- (3) The emissions of sulfur dioxide (SO₂), including fugitive emissions, from all emissions units shall be less than 27,462.6 tons in any 12 consecutive month period.
- (4) The emissions of NO_x (expressed as NO₂), including fugitive emissions, from all emissions units shall be less than 7,427.7 tons in any 12 consecutive month period.
- (5) The emissions of CO, including fugitive emissions, from all emissions units shall be less than 472.7 tons in any 12 consecutive month period.
- (6) The emissions of VOCs, including fugitive emissions, from all emissions units shall be less than 46.0 tons in any 12 consecutive month period.
- (7) The emissions of lead, including fugitive emissions, from all emissions units shall be less than 1.3 ton in any 12 consecutive month period.
- (8) The emissions of particulate matter (filterable fraction only), including fugitive emissions, from all emissions units shall be less than 957.2 tons in any 12 consecutive month period.
- (9) The emissions of sulfuric acid mist, including fugitive emissions, from all emissions units shall be less than 154.2 tons in any 12 consecutive month period.

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(10) The emissions of GHGs (expressed as CO₂e), including fugitive emissions, from all emissions units shall be less than 3,682,115 tons in any 12 consecutive month period.

(b) The PALs shall have an effective period of 10 years from the issuance date of Plan Approval No: 17-00001F through August 25, 2027. Each PAL expires on August 26, 2027, unless a complete application according to 25 Pa. Code Section 127.218(k)(3) and 40 CFR Section 52.21(aa)(10)(iii) is submitted to the Department at least 6 months prior to, but not earlier than 18 months prior to the expiration date.

Upon expiration of a PAL, the permittee is subject to the requirements specified in 25 Pa. Code Section 127.218(j) and 40 CFR Section 52.21(aa)(9) for that pollutant.

(c) If an application to renew each PAL is submitted according to the requirements in 25 Pa. Code Section 127.218(k) and 40 CFR Section 52.21(aa)(10) then the PALs shall continue to be effective until the revised permit with the renewed PALs is issued.

(d) For each month during the first 11 months from the PAL effective date, the permittee shall show that the sum of the preceding monthly emissions of each PAL pollutant from the PAL effective date for each emissions unit is less than the applicable PAL. For each month during the PAL effective period after the first 12 months of establishing a PAL, the permittee shall show that the sum of the monthly emissions of each PAL pollutant from each emissions unit for the previous 12 consecutive months, expressed as a 12-month rolling total, is less than the applicable PAL. The calculations of monthly emissions for each emissions unit shall include emissions from all periods of operation including startups, shutdowns and malfunctions, as well as fugitive emissions if any. All emissions units at the facility are under the PAL.

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

[Authority for the requirements in this permit condition is also derived from 25 Pa. Code Section 127.218(m)(9) and (12) and 40 CFR Section 52.21(aa)(12)(vi) and (ix)]

(a) The permittee shall conduct stack testing on each Source ID 031, 032, 033 and 034 for particulate matter (filterable fraction only), PM_{2.5} (filterable and condensable fractions), PM-10 (filterable and condensable fractions), CO, and VOCs while each source combusts natural gas at maximum routine operating conditions, to determine site-specific emissions factors for these PAL pollutants. All stack sampling and testing shall be conducted using methods and procedures acceptable to the Department in accordance with the testing requirements in Section C, herein.

The emission factors established in the Gas Addition Plan Approval test programs except for the ones for CO and VOCs emissions from Source IDs 033 and 034 may be used to meet the requirements in (a) of this condition, unless the stack testing is not approved/accepted by the Department. The Department shall notify the permittee if the stack testing is not accepted.

(b) The permittee shall conduct stack testing either 180 days or 720 operating hours, whichever comes later, after August 25, 2017, on Source IDs 033 and 034 for CO and VOCs while each source combusts natural gas at maximum routine operating conditions, to determine site-specific emissions factors for these PAL pollutants. All stack sampling and testing shall be conducted using methods and procedures acceptable to the Department in accordance with the testing requirements in Section C, herein.

In addition to (b), stack testing may also be required for filterable and condensable particulate matter, if the Gas Addition Plan Approval test program is not approved/accepted by the Department. The Department shall notify the permittee if the stack testing is not accepted.

(c) After the completion/approval of the stack testing required above in paragraphs (a) and (b) of this permit condition, subsequent Department-approved stack testing shall be conducted at least one time in each 5-year calendar period in accordance with these provisions.

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7), as well as 25 Pa. Code Section 123.51]

The permittee shall install, maintain, and operate Department- and Part 75-certified continuous monitoring systems on each Source ID 031, 032, 033 and 034, to continuously monitor and keep records of the NOx emissions from each boiler on an hourly, daily, monthly and 12-month rolling total basis, in units of lb/mmBtu, pounds and tons. The monitoring systems shall sample, analyze and record the emissions data at least every 15 minutes while each boiler is in operation including periods of startup, shutdown and malfunction.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7), as well as 25 Pa. Code Section 123.25]

For all periods of operation, the permittee shall install, maintain, and operate a Part 75-certified continuous monitoring systems on each Source ID 031, 032, 033 and 034, to continuously monitor and keep records of the SO2 emissions from each boiler on an hourly, daily, monthly and 12-month rolling total basis, in units of pounds and tons. The monitoring systems shall sample, analyze and record the emissions data at least every 15 minutes while each boiler is in operation including periods of startup, shutdown and malfunction.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.218(g) and 40 CFR Sections 52.21(aa)(7)]

The permittee shall monitor the amount of fuel combusted in each Source ID P101, P102, P103, P104, P106 and P120 to generate and keep records of each engine's fuel volume consumption in any calendar month.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

The permittee shall monitor the volume of Source ID P121 parts cleaning solvent(s) volatized.

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

[Authority for the requirements in this permit condition are also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

The permittee shall monitor the amount of each fuel combusted in each Source ID 031, 032, 033 and 034, as required herein.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

The permittee shall monitor the amount of No. 2 or lighter oil combusted in the combustion sources associated with Source ID 038 to generate and keep records of the total fuel volume consumption in any calendar month.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

The permittee shall monitor for No. 2 oil and diesel fuel deliveries accepted for the emission units associated with the Shawville Generating Station.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

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(a) The permittee shall install, maintain, and operate Department- and Part 75-certified continuous monitoring systems on each Source ID 031, 032, 033 and 034, to continuously monitor and keep records of the CO₂ emissions from each boiler on an hourly, daily, monthly and 12-month rolling total basis, in units of pounds and tons. The monitoring systems shall sample, analyze and record the emissions data at least every 15 minutes while each boiler is in operation including periods of startup, shutdown and malfunction. In addition, the permittee shall generate and keep records of the CH₄ and N₂O emissions as calculated according to the applicable procedures under 40 CFR Section 98.33(c) on a monthly and 12-month rolling total basis, at least, in units of pounds and tons.

(b) The greenhouse gas (GHG) mass emissions including CO₂, CH₄ and N₂O emissions, expressed as CO₂e, shall be calculated in accordance with the Global Warming Potentials figures as specified in Table A-1 to Subpart A of 40 CFR Part 98. The permittee shall generate and keep records of the emission of CO₂e in units of tons (short tons) from each Source ID 031, 032, 033 and 034 in any calendar month and the 12-month rolling totals.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep monthly records of the emissions of PM_{2.5}, PM₁₀, and particulate matter from Source ID P201 on a calendar month basis. The emission calculations shall be performed in accordance with the monitoring and recordkeeping requirements under Section D., Source ID P201, herein.

(b) The permittee shall generate and keep records of the 12-month rolling total emissions of particulate matter, PM₁₀ and PM_{2.5} from Source ID P201, in units of tons, to verify compliance with these PALs, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep monthly records of all PAL pollutant emissions from the combustion sources associated with Source ID 038 in any calendar month. Each PAL pollutant emission calculations shall be determined monthly using the fuel consumption in the previous calendar month and the emission factor and methodology as specified in the application for Plan Approval No: 17-00001F. The application is incorporated by reference, herein, and a copy of it including all supplemental information shall be kept by the permittee as required herein.

(b) The permittee shall generate and keep records of the 12-month rolling total emissions of each PAL pollutant emissions from the combustion sources associated with Source ID 038, in units of tons, to verify compliance with the PALs, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from the applicable requirements under 25 Pa. Code Section 127.218 and 40 CFR Section 52.21(aa)]

For each storage tank containing volatile organic compounds (VOCs), the permittee shall keep records of the calculations used to determine the tank's potential emissions of VOCs, in units of tons per year, as well as the supporting calculations and monitoring data. These calculations shall be included in the 12-month rolling facility-wide VOCs emission calculations to verify compliance with the VOCs PAL.

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

Pursuant to 25 Pa. Code Section 127.218(n) and 40 CFR Section 52.21(aa)(13), the permittee shall comply with the following recordkeeping requirements as specified in (a) and (b) of this permit condition. These records shall be retrievable onsite.

(a) The permittee shall retain a copy of the records necessary to determine compliance with a requirement in 25 Pa. Code Section 127.218 and 40 CFR Section 52.21(aa) and of each PAL, including a determination of the 12-month rolling total

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emissions for each emissions unit, for 5 years.

(b) The permittee shall retain a copy of the following records for the duration of the PAL effective period and 5 years after the PAL permit expires:

(1) A copy of the PAL permit application (application for Plan Approval No: 17-00001F) and applications for revisions to the PAL permit; and

(2) Each annual certification of compliance and the data relied on in certifying the compliance.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep records of the PM_{2.5} emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting natural gas, in units of pounds and tons. The PM_{2.5} emission calculations shall be determined monthly using the heat input to the boiler in the previous calendar month as derived from the combustion of natural gas and the appropriate emission factor, as follows: 0.005-pound PM_{2.5} per mmBtu for Source ID 031; 0.011-pound PM_{2.5} per mmBtu for Source ID 032; 0.007-pound PM_{2.5} per mmBtu for Source ID 033; and 0.007-pound PM_{2.5} per mmBtu for Source ID 034.

(b) The permittee shall generate and keep records of the PM_{2.5} emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting No. 2 oil, in units of pounds and tons. The PM_{2.5} emission calculations shall be determined monthly using the 0.011-pound PM_{2.5} per mmBtu emission factor and the heat input to the boiler in the previous calendar month as derived from combustion of No. 2 oil.

(c) The permittee shall generate and keep monthly records of the emissions of PM_{2.5} from each Source ID 031, 032, 033 and 034 in any calendar month by summing their PM_{2.5} emission calculations for all fuels.

(d) The permittee shall generate and keep records of the 12-month rolling total emissions of PM_{2.5} from each Source ID 031, 032, 033 and 034, in units of tons, to verify compliance with the PM_{2.5} PAL, as well as the supporting information and monitoring data.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep monthly records of each PAL pollutant emissions from each of the engines associated with Source IDs P101, P102, P103, P104, P106 and P120 on a calendar month basis. Each of the PAL pollutant emission calculations shall be determined monthly using each engine's fuel consumption in the previous calendar month and the emission factors and methodologies as specified in the application for Plan Approval No: 17-00001F. The application is incorporated by reference, herein, and a copy of it including all supplemental information shall be kept by the permittee as required herein.

(b) The permittee shall generate and keep records of the 12-month rolling total emissions of each PAL pollutant from Source IDs P101, P102, P103, P104, P106 and P120, in units of tons, to verify compliance with the PALs, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

The permittee shall generate and keep records of the supporting documentation that demonstrates the potential to emit VOCs from the wastewater treatment operations/Source ID P116 is negligible (less than 0.1 tpy VOCs), as well as copies of the manufacturer data and parameters for all of the wastewater treatment chemicals used in the operations.

**SECTION E. Source Group Restrictions.****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep monthly records of the emissions of VOCs from Source ID P121 on a calendar month basis. The emission calculations shall be determined monthly using the total consumption of solvent(s) in the previous calendar month and the emission factor(s) and methodologies as specified in the application for Plan Approval No: 17-00001F. The application is incorporated by reference, herein, and a copy of it including all supplemental information shall be kept by the permittee as required herein.

(b) The permittee shall generate and keep records of the 12-month rolling total emissions of VOCs from Source ID P121, in units of tons, to verify compliance with the VOCs PAL, as well as the supporting information and monitoring data.

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

Pursuant to 25 Pa. Code Section 127.218(m)(10) and 40 CFR Section 52.21(aa)(12)(vii), the permittee shall record maximum potential emissions without considering enforceable emissions limitations or operational restrictions for an emissions unit during a period of time that there is no monitoring data, unless another method for determining emissions during these periods is incorporated herein.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) For each Source ID 031, 032, 033 and 034, the permittee shall generate and keep monthly records of the total heat input as derived from the combustion of natural gas on a hourly, daily, monthly and 12-month rolling basis, including the supporting monitoring data.

(b) For each Source ID 031, 032, 033 and 034, the permittee shall generate and keep monthly records of the total heat input as derived from the combustion of No. 2 oil on a hourly, daily, monthly and 12-month rolling basis, including the supporting monitoring data.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep monthly records of the emissions of particulate matter, PM-10 and PM2.5 from each Source ID F01 and F03 on a calendar month basis. These emission calculations shall be determined monthly using the monitoring data recorded in the previous calendar month and the site-specific emission factors and methodologies as specified in the application for Plan Approval No: 17-00001F. The application is incorporated by reference, herein, and a copy of it including all supplemental information shall be kept by the permittee as required herein.

(b) The permittee shall generate and keep records of the 12-month rolling total emissions of particulate matter, PM-10 and PM2.5 from each Source ID F01 and F03, in units of tons, to verify compliance with these PALs, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.218(g) and 40 CFR Sections 52.21(aa)(7)]

The permittee shall generate and keep monthly records of the No. 2 oil consumption in any calendar month for Source ID 038, including the supporting calculations and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.218(g) and 40 CFR Sections 52.21(aa)(7)]

For each Source ID P101, P102, P103, P104, P106 and P120, the permittee shall generate and keep monthly records of its fuel consumption on a calendar month and 12-month rolling basis, including the supporting calculations and monitoring

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data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.218(g) and 40 CFR Sections 52.21(aa)(7)]

The permittee shall generate and keep monthly records of the total gallons of all solvent(s) volatilized in Source ID P121.

025 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep records of the PM-10 emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting natural gas, in units of pounds and tons. The PM-10 emission calculations shall be determined monthly using the heat input to the boiler in the previous calendar month as derived from the combustion of natural gas and the appropriate emission factor, as follows: 0.005-pound PM-10 per mmBtu for Source ID 031; 0.011-pound PM-10 per mmBtu for Source ID 032; 0.007-pound PM-10 per mmBtu for Source ID 033; and 0.007-pound PM-10 per mmBtu for Source ID 034.

(b) The permittee shall generate and keep records of the PM-10 emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting No. 2 oil, in units of pounds and tons. The PM-10 emission calculations shall be determined monthly using the 0.024-pound PM-10 per mmBtu emission factor and the heat input to the boiler in the previous calendar month as derived from combustion of No. 2 oil.

(c) The permittee shall generate and keep monthly records of the emissions of PM-10 from each Source ID 031, 032, 033 and 034 in any calendar month by summing their PM-10 emission calculations for all fuels.

(d) The permittee shall generate and keep records of the 12-month rolling total emissions of PM-10 from each Source ID 031, 032, 033 and 034, in units of tons, to verify compliance with the PM-10 PAL, as well as the supporting information and monitoring data.

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep records of the particulate matter emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting natural gas, in units of pounds and tons. The particulate matter emission calculations shall be determined monthly using the heat input to the boiler in the previous calendar month as derived from the combustion of natural gas and the appropriate emission factor, as follows: 0.003-pound particulate matter per mmBtu for Source ID 031; 0.009-pound particulate matter per mmBtu for Source ID 032; 0.005-pound particulate matter per mmBtu for Source ID 033; and 0.005-pound particulate matter per mmBtu for Source ID 034.

(b) The permittee shall generate and keep records of the particulate matter emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting No. 2 oil, in units of pounds and tons. The particulate matter emission calculations shall be determined monthly using the 0.014-pound particulate matter per mmBtu emission factor and the heat input to the boiler in the previous calendar month as derived from combustion of No. 2 oil.

(c) The permittee shall generate and keep monthly records of the emissions of particulate matter from each Source ID 031, 032, 033 and 034 in any calendar month by summing their particulate matter emission calculations for all fuels.

(d) The permittee shall generate and keep records of the 12-month rolling total emissions of particulate matter from each Source ID 031, 032, 033 and 034, in units of tons, to verify compliance with the particulate matter PAL, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

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(a) The permittee shall generate and keep records of the CO emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting natural gas, in units of pounds and tons. The CO emission calculations shall be determined monthly using the heat input to the boiler in the previous calendar month as derived from the combustion of natural gas and the appropriate emission factor, as follows:

0.021-pound CO per mmBtu for Source ID 031;

0.033-pound CO per mmBtu for Source ID 032;

0.08-pound CO per mmBtu for Source ID 033 until such time that the required stack testing is conducted and site-specific emission factor(s) is (-are) developed that is (-are) representative of highest potential emission rate(s) at all operating conditions; and

0.08-pound CO per mmBtu for Source ID 034 until such time that the required stack testing is conducted and site-specific emission factor(s) is (-are) developed that is (-are) representative of highest potential emission rate(s) at all operating conditions.

(b) The permittee shall generate and keep records of the CO emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting No. 2 oil, in units of pounds and tons. The CO emission calculations shall be determined monthly using the 0.08-pound CO per mmBtu emission factor and the heat input to the boiler in the previous calendar month as derived from combustion of No. 2 oil.

(c) The permittee shall generate and keep monthly records of the emissions of CO from each Source ID 031, 032, 033 and 034 in any calendar month by summing their CO emission calculations for all fuels.

(d) The permittee shall generate and keep records of the 12-month rolling total emissions of CO from each Source ID 031, 032, 033 and 034, in units of tons, to verify compliance with the CO PAL, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep records of the lead emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting natural gas, in units of pounds and tons. The lead emission calculations shall be determined monthly using the 0.00000049 (4.9E-7)-pound lead per mmBtu emission factor and the heat input to the boiler in the previous calendar month as derived from combustion of natural gas.

(b) The permittee shall generate and keep records of the lead emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting No. 2 oil, in units of pounds and tons. The lead emission calculations shall be determined monthly using the 0.000009 (9.0E-6)-pound lead per mmBtu emission factor and the heat input to the boiler in the previous calendar month as derived from combustion of No. 2 oil.

(c) The permittee shall generate and keep monthly records of the emissions of lead from each Source ID 031, 032, 033 and 034 in any calendar month by summing their lead emission calculations for all fuels.

(d) The permittee shall generate and keep records of the 12-month rolling total emissions of lead from each Source ID 031, 032, 033 and 034, in units of tons, to verify compliance with the lead PAL, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep records of the VOCs emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting natural gas, in units of pounds and tons. The VOCs emission calculations shall be determined monthly using the heat input to the boiler in the previous calendar month as derived from the combustion of natural gas and the appropriate emission factor, as follows:

0.001-pound VOCs per mmBtu for Source ID 031;

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0.0003-pound VOCs per mmBtu for Source ID 032;

0.0054-pound VOCs per mmBtu for Source ID 033 until such time that the required stack testing is conducted and site-specific emission factor(s) is (-are) developed that is (-are) representative of highest potential emission rate(s) at all operating conditions; and

0.0054-pound VOCs per mmBtu for Source ID 034 until such time that the required stack testing is conducted and site-specific emission factor(s) is (-are) developed that is (-are) representative of highest potential emission rate(s) at all operating conditions.

(b) The permittee shall generate and keep records of the VOCs emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting No. 2 oil, in units of pounds and tons. The VOCs emission calculations shall be determined monthly using the 0.0015-pound VOCs per mmBtu emission factor and the heat input to the boiler in the previous calendar month as derived from combustion of No. 2 oil.

(c) The permittee shall generate and keep monthly records of the emissions of VOCs from each Source ID 031, 032, 033 and 034 in any calendar month by summing their VOCs emission calculations for all fuels.

(d) The permittee shall generate and keep records of the 12-month rolling total emissions of VOCs from each Source ID 031, 032, 033 and 034, in units of tons, to verify compliance with the VOCs PAL, as well as the supporting information and monitoring data.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g) and 40 CFR Section 52.21(aa)(7)]

(a) The permittee shall generate and keep records of the sulfuric acid mist emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting natural gas. The sulfuric acid mist emissions shall be calculated monthly using the conversion constant equal to 3063, the fuel impact factor equal to 0.01, and the SO₂ emissions (in units of tons) from the boiler in the previous calendar month.

(b) The permittee shall generate and keep records of the sulfuric acid mist emissions from each Source ID 031, 032, 033 and 034 in any calendar month, while each source was combusting No. 2 oil. The sulfuric acid mist emission calculations shall be determined monthly using the 0.000006 (6.0E-6)-pound sulfuric acid mist per MMBtu emission factor and the heat input to the boiler in the previous calendar month as derived from the combustion of No. 2 oil.

(c) The permittee shall generate and keep monthly records of the emissions of sulfuric acid mist emissions from each Source ID 031, 032, 033 and 034 in any calendar month by summing their sulfuric acid mist emission calculations for all fuels.

(d) The permittee shall generate and keep records of the 12-month rolling total emissions of sulfuric acid mist emissions from each Source ID 031, 032, 033 and 034, in units of tons, to verify compliance with the sulfuric acid mist PAL, as well as the supporting information and monitoring data.

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

(a) The permittee shall submit semiannual reports to the Department. The reports shall contain for each PAL a determination of the 12-month rolling total emissions for each emissions unit as well as the data relied upon, including the quality assurance and quality control data, in calculating the monthly and annual PAL pollutant emissions.

(b) The semiannual reports shall also contain all the following information as required in 25 Pa. Code Section 127.218(ii)(A) and (D) through (G) and 40 CFR Section 52.21(aa)(14)(a) and (d) through (g):

(1) The identification of owner and operator and the permit number;

(2) A list of any emissions units modified or added to the major stationary source during the 6-month period;

**SECTION E. Source Group Restrictions.**

(3) The number, duration, and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks), and any corrective action taken;

(4) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of each PAL pollutant or the number determined by method, as approved by the Department;

(5) A signed statement by the responsible official (as defined by 25 Pa. Code Section 121.1) certifying the truth, accuracy, and completeness of the information provided in the report.

(c) The semiannual reports for the July 1 through December 31 reporting period shall be submitted on or before March 1st of the following year and the semiannual reports for the January 1 through June 30 reporting period shall be submitted on or before September 1st of the concurrent year.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.218(g)]

The emissions from a new source that requires a plan approval shall be the minimum attainable through the use of Best Available Technology (BAT). A physical change or change in method of operation at an existing emissions unit will not be subject to BAT requirements of 25 Pa. Code Chapter 127 unless the emissions unit is modified so that the fixed capital cost of new components exceeds 50% of the fixed capital cost that would be required to construct a comparable entirely new emissions unit.

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

In accordance with the plantwide applicability limit (PAL) provisions of 25 Pa. Code Section 127.218(k)(2), if the owner or operator of the facility submits a timely and complete application to renew the PAL permit, the PAL will continue to be effective until the revised permit with the renewed PAL is issued. Pursuant to 25 Pa. Code Section 127.218(k)(4), the Department may renew the PAL unchanged if the emissions are below 80% of the PAL level solely due to reduced utilization. The Department may reopen the PAL in accordance with 25 Pa. Code Section 127.218(i)(1) or 25 Pa. Code Section 127.218(i)(2), as necessary.

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

An increase to a PAL during the PAL effective period is subject the requirements in 25 Pa. Code Section 127.218(l) and 40 CFR Section 52.21(aa)(11).

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT ENGINES

Group Description: These conditions are for applicable RACT on each Source ID P101 through P104, P106 & P120.

Sources included in this group

ID	Name
P101	STARTUP GENERATOR 5
P102	STARTUP GENERATOR 6
P103	STARTUP GENERATOR 7
P104	EMERGENCY GENERATOR (FOR UNITS 1&2)
P106	2 FIRE PUMP ENGINES
P120	EMERGENCY GENERATOR (FOR UNITS 3&4)

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.97 and 129.112]

The permittee shall limit the operation of each Source ID P101, P102 and P103 to less than a 5% capacity factor in any 12 consecutive month period.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.97 and 129.112]

The permittee shall limit the operation of each engine of Source ID P104, P106 and P120 to less than 500 hours in a 12-month rolling period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.100 and 129.115]

(a) The permittee shall generate and keep records of the required monitoring data and calculations to demonstrate that each Source ID P101, P102 and P103 has operated less than a 5% capacity factor during a period of 12 consecutive calendar months, as well as information that is sufficient to demonstrate that each Source ID P101, P102 and P103 is installed, operated and maintained in accordance with manufacturer's specifications and with good operating practices.

(b) The records necessary to determine compliance shall be reported to the Department within the required semi-annual reporting herein.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.100 and 129.115]

(a) The permittee shall generate and keep records of the required monitoring data, calculations and other supporting

**SECTION E. Source Group Restrictions.**

information to demonstrate that each engine of Source ID P104, P106 and P120 has operated less than 500 hours in a 12-month rolling period, as well as information that is sufficient to demonstrate that each engine of Source ID P104, P106 and P120 is installed, operated and maintained in accordance with manufacturer's specifications and with good operating practices.

(b) The records necessary to determine compliance shall be reported to the Department within the required semi-annual reporting herein.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.97 and 129.112]

The permittee shall install, maintain and operate each engine incorporated into Source IDs P101, P102, P103, P104, P106 and P120 in accordance with manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT UTILITY BOILERS

Group Description: These conditions are for applicable RACT on each Source ID 031 through 034.

Sources included in this group

ID	Name
031	UTILITY BOILER - UNIT 1
032	UTILITY BOILER - UNIT 2
033	UTILITY BOILER - UNIT 3
034	UTILITY BOILER - UNIT 4

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.97, 129.112, 129.114 and 129.115]

(a) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boiler associated with Source ID 031 in such a manner that the NO_x emission rate exceeds 0.10 lb per million Btu heat input (lb/MMBtu) based on the 30-day operating hour averaging, rolling by 1 day, as monitored by the Department-approved continuous emissions monitoring (CEMS).

(b) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boiler associated with Source ID 031 in such a manner that the mass total NO_x emissions exceed 3,228 lb/day (1-day sum) as monitored by the Department-approved continuous emissions monitoring (CEMS).

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.112, 129.114 and 129.115]

(a) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boilers associated with Source IDs 031 through 034 in such a manner that the NO_x emission rate exceeds 0.10 lb/MMBtu, on a daily average, across all boilers, as monitored by the Department-approved continuous emissions monitoring (CEMS). This aggregated limit on Source IDs 031, 032, 033 and 034 is applicable for days when all boilers operate 18-24 hours/day.

(b) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boilers associated with Source IDs 031 through 034 in such a manner that the NO_x emission rate exceeds 0.18 lb/MMBtu, on a daily average, across all boilers, as monitored by the Department-approved continuous emissions monitoring (CEMS). This aggregated limit on Source IDs 031, 032, 033 and 034 is applicable for days when all boilers operate 0-17 hours/day.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.97, 129.112, 129.114 and 129.115]

(a) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boiler associated with Source ID 032 in such a manner that the NO_x emission rate exceeds 0.10 lb per million Btu heat input (lb/MMBtu) based on the 30-day operating hour averaging, rolling by 1 day, as monitored by the Department-approved continuous emissions monitoring (CEMS).

(b) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boiler associated with Source ID 032 in such a manner that the mass total NO_x emissions exceed 3,228 lb/day (1-day sum) as monitored by the Department-approved continuous emissions monitoring (CEMS).

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.97, 129.112, 129.114 and 129.115]

**SECTION E. Source Group Restrictions.**

(a) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boilers associated with Source ID 033 and 034 in such a manner that the NO_x emission rate exceeds 0.10 lb per million Btu heat input (lb/MMBtu) based on the 30-day operating hour averaging, rolling by 1 day, as monitored by the Department-approved continuous emissions monitoring (CEMS).

(b) The permittee shall not permit emission into the outdoor atmosphere of NO_x from the utility boilers associated with Source ID 033 and 034 in such a manner that the mass total combined NO_x emissions exceed 8,592 lb/day (1-day sum) as monitored by the Department-approved continuous emissions monitoring (CEMS).

Throughput Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code Sections 129.114 and 129.115]

The permittee shall limit the operation of the utility boilers associated with Source IDs 031 through 034 to less than the 65% capacity factor restriction, on a sum total calculation basis, in accordance with the ratio of the utility boilers' combined sum total actual electric output, expressed as MWe/yr, to their potential combined sum total annual capacity equal to 5,256,000 MWe/yr, on a 12-month rolling average basis.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.100, 129.114 and 129.115]

(a) A 30-day rolling average NO_x emission rate for the applicable RACT2 emission limitation shall be calculated by the permittee for each consecutive operating day for each Source ID 031, 032 and 033/034.

(b) The RACT3 emission limitations are based on 1) the Department-approved NO_x CEMS monitoring (lb/MMBtu) aggregated for all Source IDs 031, 032 and 033/034, 1-day average, block, and 2) the daily total NO_x emissions (lb/day) from each Source ID 031, 032 and 033/034, 1-day sum.

(c) The required Department-approved continuous monitoring system (CEMS) shall monitor for all NO_x emissions that occur during the entire day from each Source ID 031, 032 and 033/034.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code Sections 129.114 and 129.115]

(a) The permittee shall continuously monitor and record the total combined gross megawatt load associated with the utility boilers associated with Source IDs 031 through 034 to verify compliance with the 65% capacity factor limitation on the 12-month rolling average basis.

(b) The records and other info used to derive the reported values shall be maintained and made available, upon request by the Department, as required in accordance with the recordkeeping requirements in section B herein.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.51, 129.97, 129.112, 129.114 and 129.115]

(A) The required Continuous Emission Monitoring (CEMS) for Source ID 031 shall be approved by the Department,

**SECTION E. Source Group Restrictions.**

installed, certified, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Unit 1 NOx

a. Source Combination to be Monitored: Source ID 031

b. Parameter to be Reported: NOx

c. Units of Measurement to be Reported: pounds (lb) per million Btu heat input (RACT2) and pounds/day (RACT3)

d. Moisture Basis of Measurement to be Reported: Dry

e. Correction basis of Measurements to be Reported: None

f. Data Substitution: As applicable per the CSM Manual

g. Emission Standard (RACT2):

(i) Emission Standard Averaging Period Description: 30-Operating Day operating hour average, rolling by 1 day

(ii) Emission Standard Value: 0.10

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: No

h. Emission Standard (RACT3):

(i) Emission Standard Averaging Period Description: 1-day sum

(ii) Emission Standard Value: 3,228

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: No

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.51, 129.97, 129.112, 129.114 and 129.115]

(A) The required Continuous Emission Monitoring (CEMS) for Source ID 032 shall be approved by the Department, installed, certified, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Unit 2 NOx

a. Source Combination to be Monitored: Source ID 032

b. Parameter to be Reported: NOx

c. Units of Measurement to be Reported: pounds (lb) per million Btu heat input (RACT2) and pounds/day (RACT3)

**SECTION E. Source Group Restrictions.**

d. Moisture Basis of Measurement to be Reported: Dry

e. Correction basis of Measurements to be Reported: None

f. Data Substitution: As applicable per the CSM Manual

g. Emission Standard (RACT2):

(i) Emission Standard Averaging Period Description: 30-Operating Day operating hour average, rolling by 1 day

(ii) Emission Standard Value: 0.10

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: No

h. Emission Standard (RACT3):

(i) Emission Standard Averaging Period Description: 1-day sum

(ii) Emission Standard Value: 3,228

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: No

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.51, 129.97, 129.112, 129.114 and 129.115]

(A) The required Continuous Emission Monitoring (CEMS) for Source ID 033 and 034 shall be approved by the Department, installed, certified, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Unit 3 & 4 NOx

a. Source Combination to be Monitored: Source IDs 033 and 034

b. Parameter to be Reported: NOx

c. Units of Measurement to be Reported: pounds (lb) per million Btu heat input (RACT2) and pounds/day (RACT3)

d. Moisture Basis of Measurement to be Reported: Dry

e. Correction basis of Measurements to be Reported: None

f. Data Substitution: As applicable per the CSM Manual

g. Emission Standard (RACT2):

(i) Emission Standard Averaging Period Description: 30-Operating Day operating hour average, rolling by 1 day

(ii) Emission Standard Value: 0.10

**SECTION E. Source Group Restrictions.**

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: No

h. Emission Standard (RACT3):

(i) Emission Standard Averaging Period Description: 1-day sum (combined)

(ii) Emission Standard Value: 8,592

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: No

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.51, 129.97, 129.112, 129.114 and 129.115]

(A) The required Continuous Emission Monitoring (CEMS) for Source IDs 031, 032 033 and 034 shall be approved by the Department, installed, certified, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Unit 1, 2, 3 & 4 NOx

a. Source Combination to be Monitored: Source IDs 031, 032, 033 and 034

b. Parameter to be Reported: NOx

c. Units of Measurement to be Reported: pounds (lb) per million Btu heat input (RACT3 Aggregate)

d. Moisture Basis of Measurement to be Reported: Dry

e. Correction basis of Measurements to be Reported: None

f. Data Substitution: As applicable per the CSM Manual

g. Emission Standards (RACT3 Aggregate):

h. RACT3 Aggregate Limit #1

(i) Emission Standard Averaging Period Description: 1-day average, block

(ii) Emission Standard Value: 0.10

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: Yes, the RACT3 Aggregate Limit #1 established for the days when all boilers operate 18-24 hours.

RACT3 Aggregate Limit #2

(i) Emission Standard Averaging Period Description: 1-day average, block

(ii) Emission Standard Value: 0.18

**SECTION E. Source Group Restrictions.**

(iii) Emission Standard Direction: Violation if greater than emission standard value

(iv) Variable Emission Standard: Yes, the RACT3 Aggregate Limit #2 established for the days when all boilers operate 0-17 hours.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.100 and 129.115]

(a) The permittee shall keep records using the Department-approved CEMS for each of the utility boilers associated with Source IDs 031 through 034 to demonstrate compliance with the NO_x emissions limitations in the following manner:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements are met.

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

(3) The records necessary to determine compliance shall be submitted to the Department within the required reporting herein.

(b) The records as well as the continuous NO_x data and other monitoring information shall be maintained and made available upon request by the Department in accordance with the recordkeeping requirements in section B herein.

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

[Authority is also derived from 25 Pa. Code Sections 129.114 and 129.115]

The permittee shall keep accurate and comprehensive records including the monthly and 12-month rolling totals of each of the Source ID 031, 032, 033 and 034 utility boiler's actual electrical output, in units of MWe, and the other supporting calculations, data and information in accordance with the recordkeeping requirements in section B herein to verify compliance with the 65%-capacity-factor limitation herein.

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

[Authority is also derived from 25 Pa. Code Section 129.115]

The permittee shall generate and keep records of the information that is sufficient to demonstrate that each of the utility boilers and No. 2 oil igniters associated with Source IDs 031 through 034 is installed, operated and maintained in accordance with manufacturer's specifications and with good operating practices.

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

[Authority is also derived from 25 Pa. Code Sections 127.511 and 129.115]

(a) The permittee shall submit semi-annual reports as required herein for each of the Source ID 031, 032, 033 and 034 utility boilers to verify compliance with the 65% capacity factor and other RACT requirements herein.

(b) In addition, the utility boilers associated with Source IDs 031 through 034 shall be subject to quarterly reporting as required herein to verify compliance with the NO_x RACT2&3 emissions limitations using the Department-approved CEMS.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.91]

**SECTION E. Source Group Restrictions.**

The permittee shall maintain and operate each Source ID 031, 032, 033 and 034 in accordance with the manufacturer's specifications. This requirement shall be considered as VOC RACT for each of the utility boilers associated with Source IDs 031 through 034.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code Section 129.112]

The permittee shall install, maintain and operate the No. 2 oil-fired igniters associated with Source IDs 031, 032, 033 and 034 herein in accordance with manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

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

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



SECTION 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.**

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) There are multiple storage tanks at this facility that have a capacity that is less than 2000 gallons. They include:

- 1 - 6. Reserved
7. 5 day-tanks for generators - 100 gallons each

(b) There are 15 storage tanks at this facility that have a capacity that is greater than 2000 gallons used to store liquids having vapor pressures less than 1.5 psia. They include:

1. #2 oil storage tank - 500,000 gallons
2. 2 startup diesel (a blend of #1 and #2 fuel oil) fuel storage tanks - 20,000 gallons each
3. 2 waste oil storage tanks - 3,000 gallons each
4. 3 lube oil storage tanks - 5,000 gallons each
5. an ethylene glycol storage tank - 5,000 gallons
- 6 - 11. Reserved



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