



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

TITLE V/STATE OPERATING PERMIT

Issue Date:	September 9, 2020	Effective Date:	October 3, 2023
Revision Date:	October 3, 2023	Expiration Date:	September 8, 2025
Revision Type:	Modification		

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: 53-00002

Federal Tax Id - Plant Code: 74-1079400-2

Owner Information

Name: TRANSCONTINENTAL GAS PIPE LINE CO LLC
Mailing Address: 2800 POST OAK BLVD
HOUSTON, TX 77056-6100

Plant Information

Plant: TRANSCONTINENTAL GAS/WHARTON STATION 535
Location: 53 Potter County 53930 Wharton Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: GLEN JASEK
Title: VP GMEASTERN INTERSTATES
Phone: (713) 215 - 2134 Email: Glen.jasek@williams.com

Permit Contact Person

Name: MICHAEL HAHN
Title: ENVIRONMENTAL SPECIALIST
Phone: (267) 207 - 1778 Email: Michael.Hahn@williams.com

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



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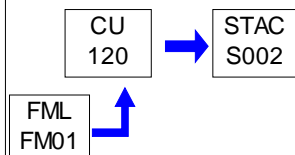
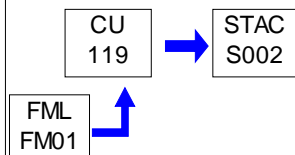
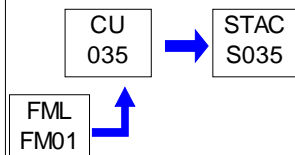
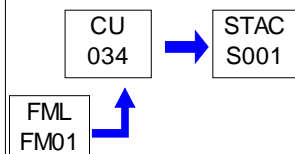
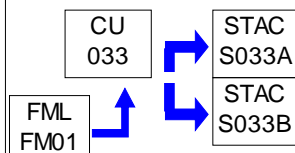
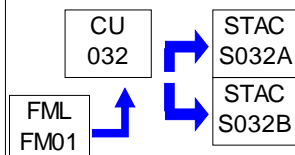
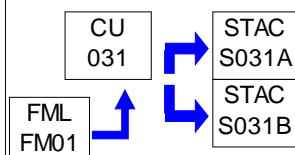
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	FIELD HEATER #3	14.600 MMBTU/HR	
		15.700 MCF/HR	Natural Gas
032	FIELD HEATER #1	13.800 MMBTU/HR	
		14.800 MCF/HR	Natural Gas
033	FIELD HEATER #2	13.800 MMBTU/HR	
		14.800 MCF/HR	Natural Gas
034	SPACE HEATERS	2.700 MCF/HR	Natural Gas
035	CYCLOTHERM BOILER	5.000 MMBTU/HR	
		5.400 MCF/HR	Natural Gas
119	REGEN HEATER A	7.100 MMBTU/HR	
120	REGEN HEATER B	7.100 MMBTU/HR	
P101	1000 HP, 36FT405 ENGINE	8.000 MCF/HR	Natural Gas
P102	1000 HP, 36FT406 ENGINE	8.000 MCF/HR	Natural Gas
P103	2000 HP, 512FT404 ENGINE	16.000 MCF/HR	Natural Gas
P104	2000 HP, 512FT454 ENGINE	16.000 MCF/HR	Natural Gas
P105	2500 HP, 512-KVSR-1-1 ENG	19.000 MCF/HR	Natural Gas
P113	AUXILIARY GENERATOR 738 HP/550 KW	5.900 MCF/HR	Natural Gas
P114	STORAGE TANKS		
P115	FUGITIVES		
P116	PARTS WASHER 35 GALLON		
P215	BLOWDOWNS/VENTING		
FM01	NATURAL GAS PIPELINE		
S001	SPACE HEATER EXHAUST		
S002	REGEN HEATERS STACK		
S031A	FIELD HEATER 3 STACK A		
S031B	FIELD HEATER 3 STACK B		
S032A	FIELD HEATER 1 STACK A		
S032B	FIELD HEATER 1 STACK B		
S033A	FIELD HEATER 2 STACK A		
S033B	FIELD HEATER 2 STACK B		
S035	BOILER STACK		
S101	ENGINE 1 STACK		
S102	ENGINE 2 STACK		
S103A	ENGINE 3 STACK A		
S103B	ENGINE 3 STACK B		
S104A	ENGINE 4 STACK A		
S104B	ENGINE 4 STACK B		
S105A	ENGINE 5 STACK A		
S105B	ENGINE 5 STACK B		
S113	AUX GENERATOR STACK		
Z115	FUGITIVE EMISSIONS		

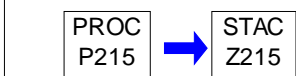
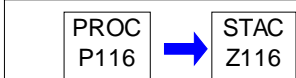
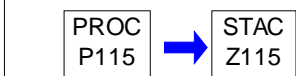
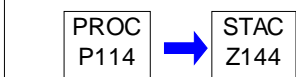
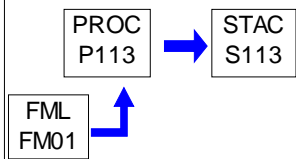
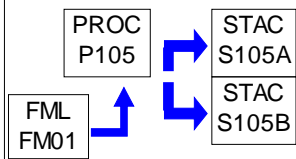
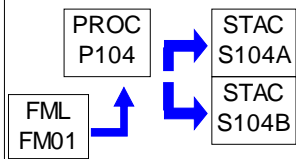
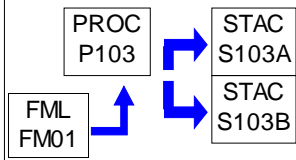
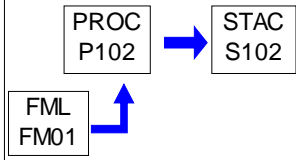
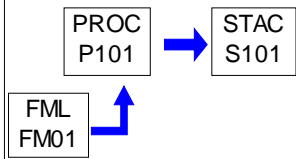
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z116	PARTS WASHER EMISSIONS		
Z144	TANKS EMISSIONS		
Z215	BLOWDOWN/VENTING EMISSIONS		

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 §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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) Open burning operations.
- (7) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (a) The emissions are of minor significance with respect to causing air pollution.
 - (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in condition #001(1)-(7) above if the emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

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

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

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 005 [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. 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, or the Source Testing Section / Frequently Asked Questions (FAQs) document. These can be found online at the following url:

<https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/SourceTesting/Pages/default.aspx>

(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) 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.

006 [25 Pa. Code §139.1]**Sampling facilities.**

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

007 [25 Pa. Code §139.11]**General requirements.**

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

**SECTION C. Site Level Requirements**

(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 materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage 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 §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

[Authority is also derived from 25 Pa. Code section 127.511]

- (a) The permittee shall conduct during daylight hours weekly inspections of the facility to detect for visible emissions, visible fugitive emissions, and malodorous air contaminants while the facility is operating.
- (b) Any visible emission, visible fugitive emission or malodor that has the potential to exceed applicable requirements shall be reported to the manager of the facility at once.

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

[Authority is also derived from 25 Pa. Code section 127.511]

- (a) The permittee shall maintain and make available, upon request by the Department, records of weekly inspection information in a logbook or electronically:
 - (1) The dates and times of weekly inspections or monitoring;
 - (2) The initials of person(s) that conducted the monitoring;

**SECTION C. Site Level Requirements**

- (3) The results of the monitoring;
- (4) The operating conditions as existing at the time of monitoring; and
- (5) Corrective actions and/or preventative measures for any excess visible emission(s), visible fugitive emission(s) or malodors.

(b) The permittee shall retain records of the required information for at least five (5) years from the date of the monitoring.

011 [25 Pa. Code §135.5]**Recordkeeping**

The permittee shall keep and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21 (relating to reporting; and emission statements).

These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by direct means.

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

Pursuant to 40 CFR Sections 60.4 and 63.13, the submission of all requests, reports, applications, submittals and other communications required by 40 CFR Parts 60 or 63 shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to the address below unless otherwise required to be submitted electronically to US EPA:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

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

[Authority is also derived from 25 Pa. Code section 127.511]

(a) The permittee shall submit the annual compliance certifications to the Department and US EPA Region 3, as specified in 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).

(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).

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

[Authority is also derived from 25 Pa. Code section 127.511]

Upon request by the Department, the permittee shall submit all requested reports in accordance with the Department's suggested format.

015 [25 Pa. Code §127.442]**Reporting requirements.**

[Authority is also derived from 25 Pa. Code section 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

**SECTION C. Site Level Requirements**

corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

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

(c) The report shall describe the following:

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

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

016 [25 Pa. Code §135.21]**Emission statements**

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

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

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

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

**SECTION C. Site Level Requirements**

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

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions for any source specified in 25 Pa Code Section 123.1(a)(1-9) to prevent particulate matter from becoming airborne. These actions shall include, but not limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- (2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

VII. ADDITIONAL REQUIREMENTS.**# 018 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

019 [25 Pa. Code §123.31]**Limitations**

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.

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 *****

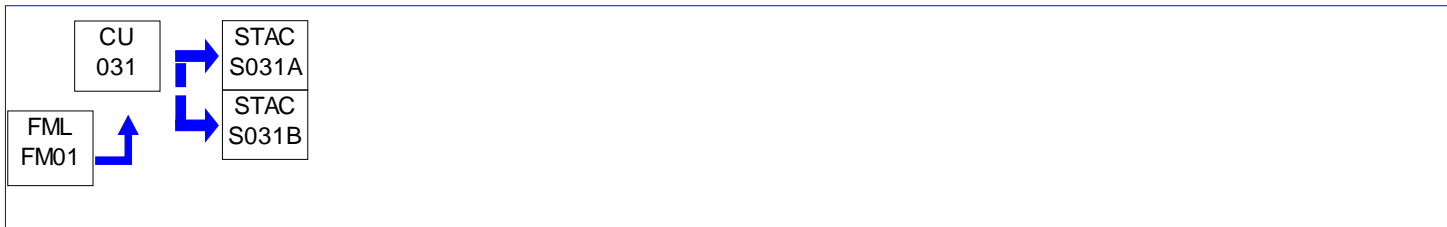
**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: FIELD HEATER #3

Source Capacity/Throughput: 14.600 MMBTU/HR

15.700 MCF/HR Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust of Source ID 031 in excess of the rate of 0.4 pounds per million Btu of heat input.

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

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID 031, in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

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

The permittee shall not permit the emission of nitrogen oxides (NO_x, expressed as NO₂) from Source ID 031 in excess of 1.3 pounds per hour.

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

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID 031.

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

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

The permittee shall not operate Source ID 031 in excess of 3,615 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127.12 and 127.511]

(a) The permittee shall keep records of the following information for Source ID 031:

(1) The supporting calculations used to verify compliance with the particulate matter, sulfur oxide, and nitrogen oxide emission limitations.

(2) The number of hours that Source ID 031 is operated per month and calculations to verify compliance with the operation hour limitation in any 12 consecutive month period.

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

007 [25 Pa. Code §129.115]**Written notification, compliance demonstration and recordkeeping and reporting requirements**

(a) The permittee shall keep sufficient records to demonstrate that this source has been installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

The permittee shall comply with all applicable recordkeeping requirements as specified in 40 CFR Part 60 Subpart Dc Section 60.48c.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 031, as specified in 40 CFR § 63.7555.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 031, as specified in 40 CFR § 40 CFR § 63.7560.

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

(a) The permittee shall submit a semi-annual report to the Department including the number of hours that Source ID 031 is operated on a monthly basis and calculations to verify compliance with the operational hour limitation in any 12 consecutive month period.

(b) The report shall be submitted to the Department no later than March 1 for the reporting period from July 1 through

**SECTION D. Source Level Requirements**

December 31 of the previous year and September 1 for the reporting period from January 1 through June 30.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

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

What notifications must I submit and when?

The permittee shall comply with the applicable Notification of Compliance Status provisions pertaining to Source ID 031 as specified in 40 CFR § 63.7545(e), prior to March 31, 2016.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

The permittee shall comply with the applicable reporting provisions pertaining to Source ID 031, as specified in 40 CFR § 63.7550.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §129.112]**

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

Pursuant to 25 Pa. Code §129.112(c)(4), the permittee shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

(a) Prior to January 31, 2016, the permittee shall demonstrate initial compliance with the applicable work practice provisions pertaining to Source ID 031, by completing initial tune-up of the source in accordance with the procedures described in 40 CFR §§ 63.7540(a)(10)(i) through (vi) and one-time energy assessment according to the following.

(1) A one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this condition, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

(b) After completion of the initial tune-up, the permittee shall perform subsequent tune-ups in accordance with the following:

- (1) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (b)(1)(i)

**SECTION D. Source Level Requirements**

through (vi) of this section.

- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
- (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(1)(vi)(A) through (C) of this section,
 - (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
 - (B) A description of any corrective actions taken as a part of the tune-up; and
 - (C) The type and amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.

(2) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(3) of this section), you must complete a tune-up every 2 years of the boiler or process heater as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance.

(3) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must complete a tune-up of the boiler or process heater every 5 years as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

(4) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

[Authority is also derived from 40 CFR section 63.7540]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain Source ID 031, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 031 is a natural gas fired 14.6 million Btu/hour water bath heater manufactured by NATCO.

**SECTION D. Source Level Requirements****# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units
Reporting and recordkeeping requirements.**

(a) Source ID 031 is subject to 40 CFR Part 60 Subpart Dc Sections 60.40c through 60.48c.

(b) The permittee shall comply with all applicable requirements as specified in 40 CFR Part 60 Subpart Dc Sections 60.40c through 60.48c.

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]
Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial
and Institutional Boilers and Process Heaters.
When do I have to comply with this subpart?**

Source ID 031 is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with the applicable provisions pertaining to Source ID 031, as specified in 40 CFR Sections 63.7480 through 63.7575.

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

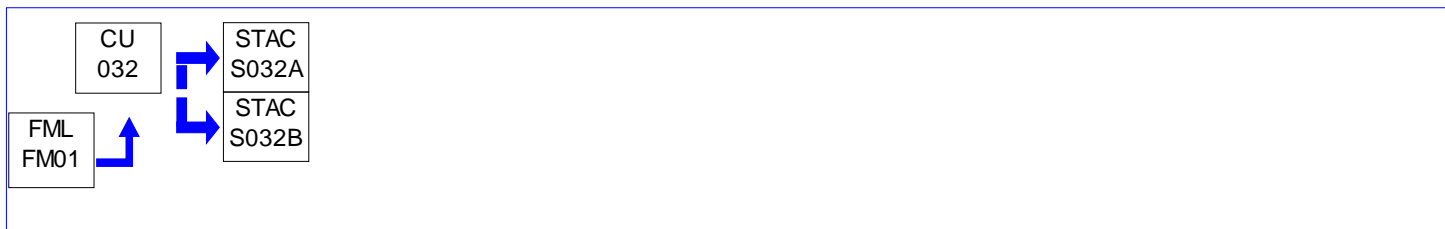
**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: FIELD HEATER #1

Source Capacity/Throughput: 13.800 MMBTU/HR

14.800 MCF/HR Natural Gas

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 032 in excess of the rate of 0.4 pounds per million Btu of heat input.

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

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID 032, in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID 032.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

(a) The permittee shall keep records of the number of hours that Source ID 032 is operated each month.

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

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

(a) The permittee shall keep sufficient records to demonstrate that this source has been installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

The permittee shall comply with all applicable recordkeeping requirements as specified in 40 CFR Part 60 Subpart Dc Section 60.48c.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 032, as specified in 40 CFR § 63.7555.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 032, as specified in 40 CFR § 40 CFR § 63.7560.

V. REPORTING REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

The permittee shall comply with the applicable Notification of Compliance Status provisions pertaining to Source ID 032 as specified in 40 CFR § 63.7545(e), prior to March 31, 2016.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

The permittee shall comply with the applicable reporting provisions pertaining to Source ID 032, as specified in 40 CFR § 63.7550.

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

Pursuant to 25 Pa. Code §129.112(c)(4), the permittee shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

**SECTION D. Source Level Requirements**

(a) Prior to January 31, 2016, the permittee shall demonstrate initial compliance with the applicable work practice provisions pertaining to Source ID 032, by completing initial tune-up of the source in accordance with the procedures described in 40 CFR §§ 63.7540(a)(10)(i) through (vi) and one-time energy assessment according to the following.

(1) A one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this condition, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments

(b) After completion of the initial tune-up, the permittee shall perform subsequent tune-ups in accordance with the following:
(1) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (b)(1)(i) through (vi) of this section.

- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
- (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(1)(vi)(A) through (C) of this section,
 - (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
 - (B) A description of any corrective actions taken as a part of the tune-up; and
 - (C) The type and amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.

(2) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(3) of this section), you must complete a tune-up every 2 years of the boiler or process heater as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance.

(3) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units

**SECTION D. Source Level Requirements**

designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must complete a tune-up of the boiler or process heater every 5 years as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

(4) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

[Authority is also derived from 40 CFR section 63.7540]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain Source ID 032, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 032 is a 13.8 million BTU/hour natural gas fired water bath heater manufactured by NATCO.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

(a) Source ID 032 is subject to 40 CFR Part 60 Subpart Dc Sections 60.40c through 60.48c.

(b) The permittee shall comply with all applicable requirements as specified in 40 CFR Part 60 Subpart Dc Sections 60.40c through 60.48c.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Source ID 032 is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with the applicable provisions pertaining to Source ID 032, as specified in 40 CFR Sections 63.7480 through 63.7575.

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

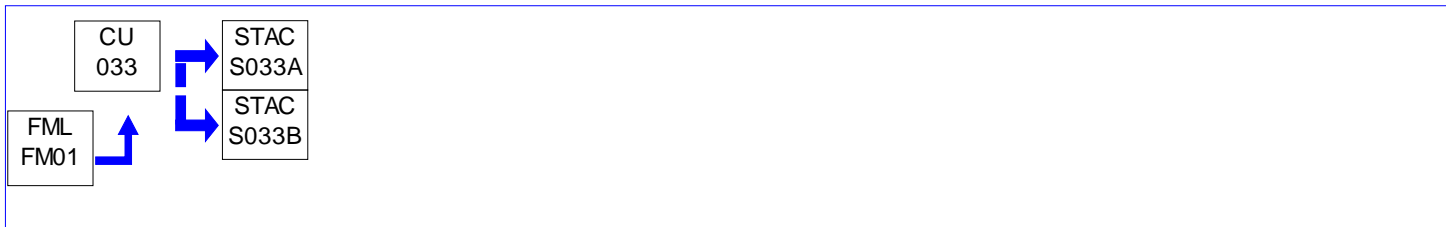
**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: FIELD HEATER #2

Source Capacity/Throughput: 13.800 MMBTU/HR

14.800 MCF/HR Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 033 in excess of the rate of 0.4 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion units

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID 033, in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID 033.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall keep records of the number of hours that Source ID 033 is operated each month.

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

**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

(a) The permittee shall keep sufficient records to demonstrate that this source has been installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.**

The permittee shall comply with all applicable recordkeeping requirements as specified in 40 CFR Part 60 Subpart Dc Section 60.48c.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 033, as specified in 40 CFR § 63.7555.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 033, as specified in 40 CFR § 40 CFR § 63.7560.

V. REPORTING REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

The permittee shall comply with the applicable Notification of Compliance Status provisions pertaining to Source ID 033 as specified in 40 CFR § 63.7545(e), prior to March 31, 2016.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

The permittee shall comply with the applicable reporting provisions pertaining to Source ID 033, as specified in 40 CFR § 63.7550.

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

Pursuant to 25 Pa. Code §129.112(c)(4), the permittee shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) Prior to January 31, 2016, the permittee shall demonstrate initial compliance with the applicable work practice provisions pertaining to Source ID 033, by completing initial tune-up of the source in accordance with the procedures described in 40

**SECTION D. Source Level Requirements**

CFR §§ 63.7540(a)(10)(i) through (vi) and one-time energy assessment according to the following.

(1) A one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this condition, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments

(b) After completion of the initial tune-up, the permittee shall perform subsequent tune-ups in accordance with the following:

(1) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (b)(1)(i) through (vi) of this section.

- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
- (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(1)(vi)(A) through (C) of this section,
 - (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
 - (B) A description of any corrective actions taken as a part of the tune-up; and
 - (C) The type and amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.

(2) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(3) of this section), you must complete a tune-up every 2 years of the boiler or process heater as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance.

(3) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must complete a tune-up of the boiler or process heater every 5 years as specified

**SECTION D. Source Level Requirements**

in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.

(4) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

[Authority is also derived from 40 CFR section 63.7540]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain Source ID 033, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 033 is a 13.8 million BTU/hour natural gas fired water bath heater manufactured by NATCO.

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

(a) Source ID 033 is subject to 40 CFR Part 60 Subpart Dc Sections 60.40c through 60.48c.

(b) The permittee shall comply with all applicable requirement as specified in 40 CFR part 60 Subpart Dc Sections 60.40c through 60.48c.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Source ID 033 is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with the applicable provisions pertaining to Source ID 033, as specified in 40 CFR Sections 63.7480 through 63.7575.

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

**SECTION D. Source Level Requirements**

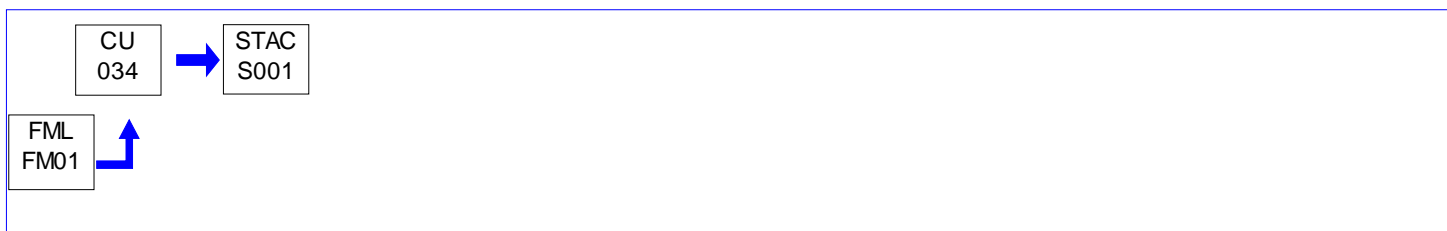
Source ID: 034

Source Name: SPACE HEATERS

Source Capacity/Throughput:

2.700 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.22]

Combustion units

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

No person may permit the emission of sulfur oxides (SO_x), expressed as SO₂ into the outdoor atmosphere from each unit of Source ID 034 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use pipeline quality natural gas as fuel for each unit of Source ID 034.

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 §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

The permittee shall maintain records that demonstrate to the Department that the heaters contained in Source ID 034 are not subject to 25 Pa. Code §129.112 based on the potential to emit not exceeding the specified emission rate threshold of 1 ton per year of NO_x and/or VOCs.

V. REPORTING REQUIREMENTS.

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

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

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

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 034 is comprised of the natural gas fired space heaters within the facility, as follows:

- (a) Six (6) Reznor model XA-175 units, each with a heat rating of 0.175 MMBtu/hour;
- (b) One (1) Reznor model XL75-3 unit with a heat rating of 0.075 MMBtu/hour;
- (c) One (1) Carrier model 48SS unit with a heat rating of 0.0457 MMBtu/hour;
- (d) One (1) Modine model PAE 200 AC unit with a heat rating of 0.18 MMBtu/hour;
- (e) Two (2) Modine model PAE125 units, each with a heat rating of 0.100 MMBtu/hour;
- (f) Two (2) Catalytic Ind. Group model B1236FM units, each with a heat rating of 0.018 MMBtu/hr;
- (g) One (1) Catalytic Ind. Group model HC-160 with a heat rating of 0.1728 MMBtu/hr;
- (h) One (1) Catalytic Ind. Group model HC-56 with a heat rating of 0.0576 MMBtu/hr;
- (i) Four (4) CATCO model 70-1234S2G-40 units, each with a heat rating of 0.012 MMBtu/hr;
- (j) Four (4) CATCO model 90-2460S2G-40 units, each with a heat rating of 0.06 MMBtu/hr;
- (k) Four (4) CATCO model 90-2472S2G-40 units, each with a heat rating of 0.072 MMBtu/hr;
- (l) One (1) Reliance model 630G0RT-300 with a heat rating of 0.0355 MMBtu/hour;
- (m) One (1) Trane model 4TXCB006DS3HCAA with a heat rating of 0.0405 MMBtu/hr; and
- (n) One (1) Carrier model CAPMP3619ACAAAAA with a heat rating of 0.0276 MMBtu/hr.

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

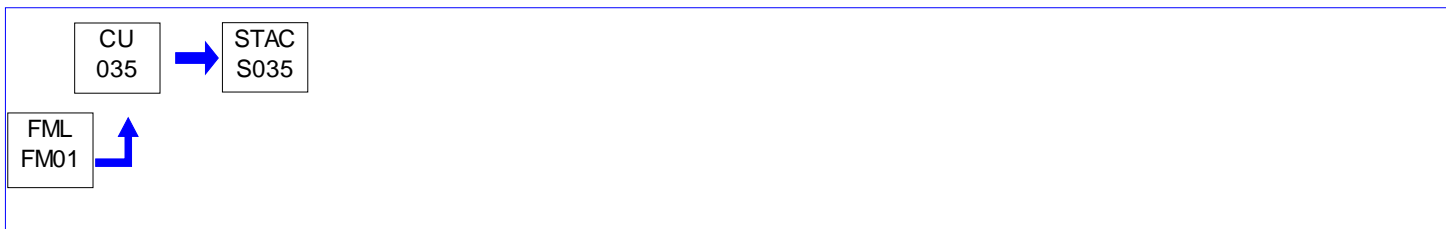
**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: CYCLOTHERM BOILER

Source Capacity/Throughput: 5.000 MMBTU/HR

5.400 MCF/HR Natural Gas

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

001 [25 Pa. Code §123.11]

Combustion units

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 035 in excess of the rate of 0.4 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion units

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID 035, in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID 035.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

(a) The permittee shall keep sufficient records to demonstrate that this source has been installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

**SECTION D. Source Level Requirements****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 035, as specified in 40 CFR § 63.7555.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 035, as specified in 40 CFR § 40 CFR § 63.7560.

V. REPORTING REQUIREMENTS.**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

The permittee shall comply with the applicable Notification of Compliance Status provisions pertaining to Source ID 035 as specified in 40 CFR § 63.7545(e), prior to March 31, 2016.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

The permittee shall comply with the applicable reporting provisions pertaining to Source ID 035, as specified in 40 CFR § 63.7550.

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

Pursuant to 25 Pa. Code §129.112(c)(4), the permittee shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) Prior to January 31, 2016, the permittee shall demonstrate initial compliance with the applicable work practice provisions pertaining to Source ID 035, by completing initial tune-up of the source in accordance with the procedures described in 40 CFR §§ 63.7540(a)(10)(i) through (vi) and one-time energy assessment according to the following.

(1) A one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this condition, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.

**SECTION D. Source Level Requirements**

- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments
- (b) After completion of the initial tune-up, the permittee shall perform subsequent tune-ups in accordance with the following:
- (1) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (b)(1)(i) through (vi) of this section.
- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
- (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(1)(vi)(A) through (C) of this section,
- (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
- (B) A description of any corrective actions taken as a part of the tune-up; and
- (C) The type and amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.
- (2) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(3) of this section), you must complete a tune-up every 2 years of the boiler or process heater as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance.
- (3) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must complete a tune-up of the boiler or process heater every 5 years as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.
- (4) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

[Authority is also derived from 40 CFR section 63.7540]

**SECTION D. Source Level Requirements****# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

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

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain Source ID 035, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.**# 012 [25 Pa. Code §127.441]**

Operating permit terms and conditions.

Source ID 035 is a 5.0 million Btu/hour natural gas fired boiler manufactured by Cyclotherm, model C4400LN4B.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Source ID 035 is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with the applicable provisions pertaining to Source ID 035, as specified in 40 CFR Sections 63.7480 through 63.7575.

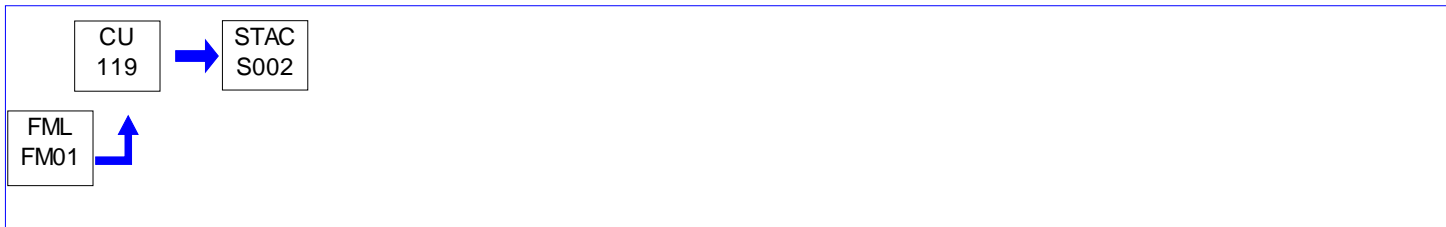
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 119

Source Name: REGEN HEATER A

Source Capacity/Throughput: 7.100 MMBTU/HR

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

001 [25 Pa. Code §123.11]

Combustion units

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust of Source ID 119 in excess of the rate of 0.4 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion units

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only pipeline quality natural gas as fuel for the process heater associated with Source ID 119.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**What records must I keep?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 119, as specified in 40 CFR § 63.7555.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

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

**SECTION D. Source Level Requirements****In what form and how long must I keep my records?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 119, as specified in 40 CFR § 40 CFR § 63.7560.

V. REPORTING REQUIREMENTS.**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**

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

What notifications must I submit and when?

The permittee shall comply with the applicable Notification of Compliance Status provisions pertaining to Source ID 119 as specified in 40 CFR § 63.7545(e), prior to March 31, 2016.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

The permittee shall comply with the applicable reporting provisions pertaining to Source ID 119, as specified in 40 CFR § 63.7550.

VI. WORK PRACTICE REQUIREMENTS.**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

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

What emission limits, work practice standards, and operating limits must I meet?

(a) Prior to January 31, 2016, the permittee shall demonstrate initial compliance with the applicable work practice provisions pertaining to Source ID 119, by completing initial tune-up of the source in accordance with the procedures described in 40 CFR §§ 63.7540(a)(10)(i) through (vi) and one-time energy assessment according to the following.

(1) A one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this condition, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments

(b) After completion of the initial tune-up, the permittee shall perform subsequent tune-ups in accordance with the following:

- (1) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (b)(1)(i) through (vi) of this section.
 - (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At

**SECTION D. Source Level Requirements**

- units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
- (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(1)(vi)(A) through (C) of this section,
- (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
- (B) A description of any corrective actions taken as a part of the tune-up; and
- (C) The type and amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.
- (2) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(3) of this section), you must complete a tune-up every 2 years of the boiler or process heater as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance.
- (3) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must complete a tune-up of the boiler or process heater every 5 years as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.
- (4) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

[Authority is also derived from 40 CFR section 63.7540]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain Source ID 119, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 119 is a Sigma Thermal natural gas-fired process heater rated at 7.1 million BTU/hour.

This source was determined by the Department to be exempt from plan approval requirements per eRFD #9064 on May 24, 2021.

**SECTION D. Source Level Requirements**

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Source ID 119 is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with the applicable provisions pertaining to Source ID 119, as specified in 40 CFR Sections 63.7480 through 63.7575.

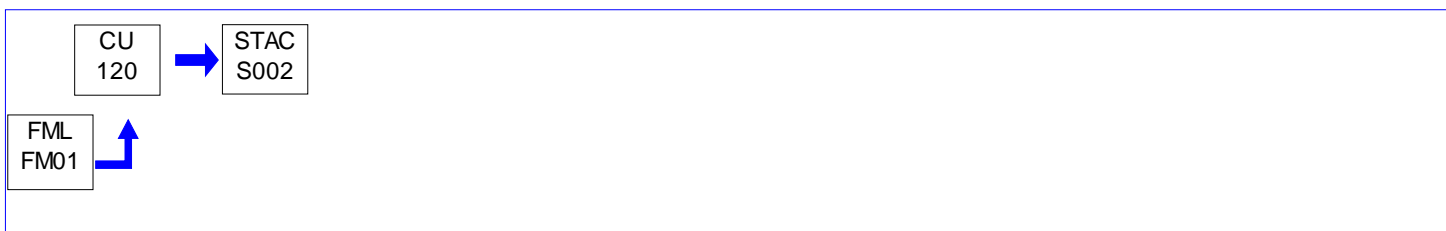
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: REGEN HEATER B

Source Capacity/Throughput: 7.100 MMBTU/HR

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

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust of Source ID 120 in excess of the rate of 0.4 pounds per million Btu of heat input.

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

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

The permittee shall use only pipeline quality natural gas as fuel for the process heater associated with Source ID 120.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 120, as specified in 40 CFR § 63.7555.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**SECTION D. Source Level Requirements****In what form and how long must I keep my records?**

The permittee shall comply with the applicable recordkeeping provisions pertaining to Source ID 120, as specified in 40 CFR § 40 CFR § 63.7560.

V. REPORTING REQUIREMENTS.**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**

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

What notifications must I submit and when?

The permittee shall comply with the applicable Notification of Compliance Status provisions pertaining to Source ID 120 as specified in 40 CFR § 63.7545(e), prior to March 31, 2016.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

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

What reports must I submit and when?

The permittee shall comply with the applicable reporting provisions pertaining to Source ID 120, as specified in 40 CFR § 63.7550.

VI. WORK PRACTICE REQUIREMENTS.**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

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

What emission limits, work practice standards, and operating limits must I meet?

(a) Prior to January 31, 2016, the permittee shall demonstrate initial compliance with the applicable work practice provisions pertaining to Source ID 120, by completing initial tune-up of the source in accordance with the procedures described in 40 CFR §§ 63.7540(a)(10)(i) through (vi) and one-time energy assessment according to the following.

(1) A one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this condition, satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in 40 CFR § 63.7575:

- a. A visual inspection of the boiler or process heater system.
- b. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.
- c. An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.
- d. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
- e. A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.
- f. A list of cost-effective energy conservation measures that are within the facility's control.
- g. A list of the energy savings potential of the energy conservation measures identified.
- h. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments

(b) After completion of the initial tune-up, the permittee shall perform subsequent tune-ups in accordance with the following:

(1) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (b)(1)(i) through (vi) of this section.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At

**SECTION D. Source Level Requirements**

- units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
- (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
- (vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(1)(vi)(A) through (C) of this section,
- (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
- (B) A description of any corrective actions taken as a part of the tune-up; and
- (C) The type and amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.
- (2) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(3) of this section), you must complete a tune-up every 2 years of the boiler or process heater as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance.
- (3) If your boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in §63.7575, you must complete a tune-up of the boiler or process heater every 5 years as specified in paragraphs (b)(1)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up.
- (4) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

[Authority is also derived from 40 CFR section 63.7540]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

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

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain Source ID 120, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 120 is a Sigma Thermal natural gas-fired process heater rated at 7.1 million BTU/hour.

This source was determined by the Department to be exempt from plan approval requirements per eRFD #9064 on May 24, 2021.

**SECTION D. Source Level Requirements**

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]

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

When do I have to comply with this subpart?

Source ID 120 is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. The permittee shall comply with the applicable provisions pertaining to Source ID 120, as specified in 40 CFR Sections 63.7480 through 63.7575.

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

**SECTION D. Source Level Requirements**

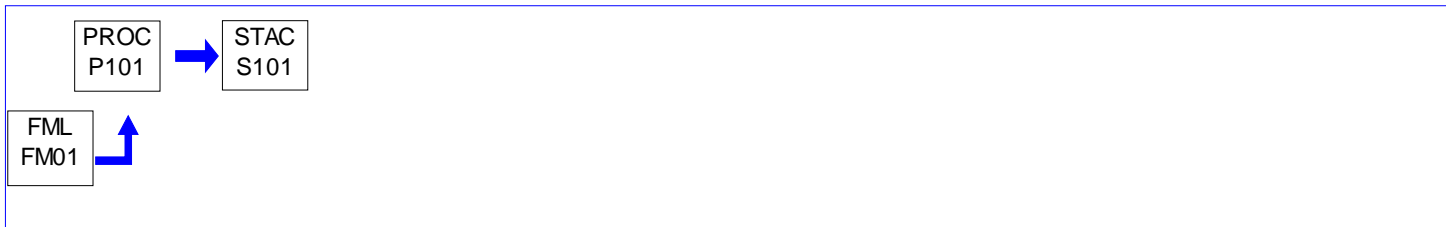
Source ID: P101

Source Name: 1000 HP, 36FT405 ENGINE

Source Capacity/Throughput:

8.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not emit into the outdoor atmosphere of particulate matter, from Source ID P101, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §129.112]

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

The permittee shall not permit the emission of the following air contaminant pollutants from this source in excess of the limitations listed below:

- (1) nitrogen oxides (NO_x, expressed as NO₂) - 3.0 grams per bhp-hr,
- (2) volatile organic compounds (VOC), excluding formaldehyde - 0.5 gram per bhp-hr.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID P101.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall perform semi-annual nitrogen oxide (NO_x, expressed as NO₂) tests upon Source ID P101 using a portable gas analyzer approved by the Department, at least twice per year at a frequency of once per semi-annual period (January 1 through June 30 and July 1 through December 31). The portable gas analyzer testing shall be conducted with a minimum of three (3) months between testing.

(b) The EPA reference method testing required for Source ID P101 may be substituted for the portable analyzer testing required by this condition on a one-for-one basis (one occurrence of reference method testing may be substituted for one occurrence of portable analyzer testing) provided that the reference method testing occurs in accordance with the portable analyzer testing schedule specified herein.

**SECTION D. Source Level Requirements**

(c) The Department reserves the right to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant.

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

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

(a) Within 180 days of the effective date of this permit modification, the permittee shall shall conduct EPA reference method testing programs for Nitrogen Oxide and Volatile Organic Compounds on Source ID P101 while it is operating at maximum routine operating conditions, or under other conditions as approved by the Department.

(b) Subsequent stack testing for NO_x and VOC emissions shall be performed on an approximate 5-year basis, no more than 60 months from the date of the previous test.

(c) All testing requirements specified in Section C of this Title V operating permit shall be followed.

III. MONITORING REQUIREMENTS.

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

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

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

(a) The permittee shall keep records of the following information for Source ID P101:

(1) The number of hours operated per month,

(2) The amount of fuel used per month,

(3) Air manifold and fuel manifold pressures, to be recorded at least once per day,

(4) The timing (BTC) of the source, to be recorded at least once per day.

(5) The supporting calculations used to verify compliance with the particulate matter, sulfur oxide, volatile organic compound, and nitrogen oxides emission limitations for Source ID P101.

(6) The test results with calculations from all EPA reference method and portable analyzer stack tests conducted on the source.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 and 127.511]

The permittee shall submit to the Department the semi-annual portable exhaust gas analyzer test reports within 30 days of the completion of each test. The report shall contain the results of the testing (reported on a pound per hour basis), a description of the testing procedures used, copies of all calculations and the specific gas analyzer used during the testing.

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

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P101 is a natural gas fired, Ingersoll Rand Model 36 KVS, four (4) stroke lean burn (4SLB) reciprocating 1000 Hp engine equipped with a low emission combustion retrofit kit.

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

**SECTION D. Source Level Requirements**

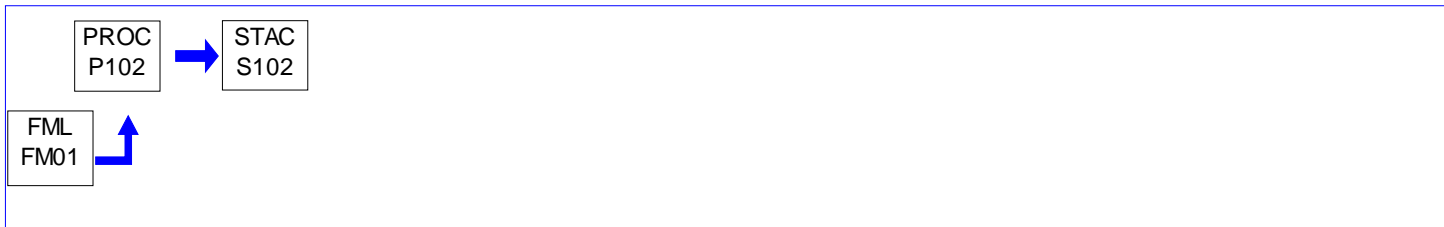
Source ID: P102

Source Name: 1000 HP, 36FT406 ENGINE

Source Capacity/Throughput:

8.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not emit into the outdoor atmosphere of particulate matter, from Source ID P102, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §129.112]

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

The permittee shall not permit the emission of the following air contaminant pollutants from this source in excess of the limitations listed below:

- (1) nitrogen oxides (NO_x, expressed as NO₂) - 3.0 grams per bhp-hr,
- (2) volatile organic compounds (VOC), excluding formaldehyde - 0.5 gram per bhp-hr.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID P102.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall perform semi-annual nitrogen oxide (NO_x, expressed as NO₂) tests upon Source ID P102 using a portable gas analyzer approved by the Department, at least twice per year at a frequency of once per semi-annual period (January 1 through June 30 and July 1 through December 31). The portable gas analyzer testing shall be conducted with a minimum of three (3) months between testing. .

(b) The EPA reference method testing required for Source ID P102 may be substituted for the portable analyzer testing required by this condition on a one-for-one basis (one occurrence of reference method testing may be substituted for one occurrence of portable analyzer testing) provided that the reference method testing occurs in accordance with the portable analyzer testing schedule specified herein.

**SECTION D. Source Level Requirements**

(c) The Department reserves the right to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant.

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

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

(a) Within 180 days of the effective date of this permit modification, the permittee shall shall conduct EPA reference method testing programs for Nitrogen Oxide and Volatile Organic Compounds on Source ID P102 while it is operating at maximum routine operating conditions, or under other conditions as approved by the Department.

(b) Subsequent stack testing for NO_x and VOC emissions shall be performed on an approximate 5-year basis, no more than 60 months from the date of the previous test.

(c) All testing requirements specified in Section C of this Title V operating permit shall be followed.

III. MONITORING REQUIREMENTS.

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

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

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

(a) The permittee shall keep records of the following information for Source ID P102:

(1) The number of hours operated per month,

(2) The amount of fuel used per month,

(3) Air manifold and fuel manifold pressures, to be recorded at least once per day,

(4) The timing (BTC) of the source, to be recorded at least once per day.

(5) The supporting calculations used to verify compliance with the particulate matter, sulfur oxide, volatile organic compound, and nitrogen oxides emission limitations for Source ID P102.

(6) The test results with calculations from all EPA reference method and portable analyzer stack tests conducted on the source.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 and 127.511]

The permittee shall submit to the Department the semi-annual portable exhaust gas analyzer test reports within 30 days of the completion of each test. The report shall contain the results of the testing (reported on a pound per hour basis), a description of the testing procedures used, copies of all calculations and the specific gas analyzer used during the testing.

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

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P102 is a natural gas fired, Ingersoll Rand Model 36 KVS, four (4) stroke lean burn (4SLB) reciprocating 1000 Hp engine equipped with a low emission combustion retrofit kit.

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

**SECTION D. Source Level Requirements**

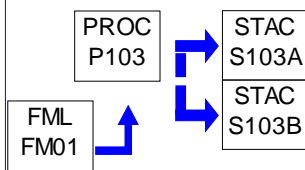
Source ID: P103

Source Name: 2000 HP, 512FT404 ENGINE

Source Capacity/Throughput:

16.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not emit into the outdoor atmosphere of particulate matter, from Source ID P103, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §129.112]

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

The permittee shall not permit the emission of the following air contaminant pollutants from this source in excess of the limitations listed below:

- (1) nitrogen oxides (NO_x, expressed as NO₂) - 3.0 grams per bhp-hr,
- (2) volatile organic compounds (VOC), excluding formaldehyde - 0.5 gram per bhp-hr.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID P103.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall perform semi-annual nitrogen oxide (NO_x, expressed as NO₂) tests upon Source ID P103 using a portable gas analyzer approved by the Department, at least twice per year at a frequency of once per semi-annual period (January 1 through June 30 and July 1 through December 31). The portable gas analyzer testing shall be conducted with a minimum of three (3) months between testing.

(b) The EPA reference method testing required for Source ID P103 may be substituted for the portable analyzer testing required by this condition on a one-for-one basis (one occurrence of reference method testing may be substituted for one occurrence of portable analyzer testing) provided that the reference method testing occurs in accordance with the portable analyzer testing schedule specified herein.

**SECTION D. Source Level Requirements**

(c) The Department reserves the right to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant.

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

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

(a) Within 180 days of the effective date of this permit modification, the permittee shall shall conduct EPA reference method testing programs for Nitrogen Oxide and Volatile Organic Compounds on Source ID P103 while it is operating at maximum routine operating conditions, or under other conditions as approved by the Department.

(b) Subsequent stack testing for NO_x and VOC emissions shall be performed on an approximate 5-year basis, no more than 60 months from the date of the previous test.

(c) All testing requirements specified in Section C of this Title V operating permit shall be followed.

III. MONITORING REQUIREMENTS.

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

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

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

(a) The permittee shall keep records of the following information for Source ID P103:

(1) The number of hours operated per month,

(2) The amount of fuel used per month,

(3) Air manifold and fuel manifold pressures, to be recorded at least once per day,

(4) The timing (BTC) of the source, to be recorded at least once per day.

(5) The supporting calculations used to verify compliance with the particulate matter, sulfur oxide, volatile organic compound, and nitrogen oxides emission limitations for Source ID P103.

(6) The test results with calculations from all EPA reference method and portable analyzer stack tests conducted on the source.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 and 127.511]

The permittee shall submit to the Department the semi-annual portable exhaust gas analyzer test reports within 30 days of the completion of each test. The report shall contain the results of the testing (reported on a pound per hour basis), a description of the testing procedures used, copies of all calculations and the specific gas analyzer used during the testing.

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

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 is a natural gas fired, Ingersoll Rand Model 512 KVS, four (4) stroke lean burn (4SLB) reciprocating 2000 Hp engine equipped with a low emission combustion retrofit kit.

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

**SECTION D. Source Level Requirements**

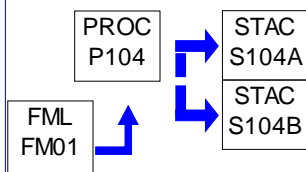
Source ID: P104

Source Name: 2000 HP, 512FT454 ENGINE

Source Capacity/Throughput:

16.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not emit into the outdoor atmosphere of particulate matter, from Source ID P104, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §129.112]

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

The permittee shall not permit the emission of the following air contaminant pollutants from this source in excess of the limitations listed below:

- (1) nitrogen oxides (NO_x, expressed as NO₂) - 3.0 grams per bhp-hr,
- (2) volatile organic compounds (VOC), excluding formaldehyde - 0.5 gram per bhp-hr.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID P104.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall perform semi-annual nitrogen oxide (NO_x, expressed as NO₂) tests upon Source ID P104 using a portable gas analyzer approved by the Department, at least twice per year at a frequency of once per semi-annual period (January 1 through June 30 and July 1 through December 31). The portable gas analyzer testing shall be conducted with a minimum of three (3) months between testing.

(b) The EPA reference method testing required for Source ID P104 may be substituted for the portable analyzer testing required by this condition on a one-for-one basis (one occurrence of reference method testing may be substituted for one occurrence of portable analyzer testing) provided that the reference method testing occurs in accordance with the portable analyzer testing schedule specified herein.

**SECTION D. Source Level Requirements**

(c) The Department reserves the right to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant.

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

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

(a) Within 180 days of the effective date of this permit modification, the permittee shall shall conduct EPA reference method testing programs for Nitrogen Oxide and Volatile Organic Compounds on Source ID P104 while it is operating at maximum routine operating conditions, or under other conditions as approved by the Department.

(b) Subsequent stack testing for NO_x and VOC emissions shall be performed on an approximate 5-year basis, no more than 60 months from the date of the previous test.

(c) All testing requirements specified in Section C of this Title V operating permit shall be followed.

III. MONITORING REQUIREMENTS.

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

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

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

(a) The permittee shall keep records of the following information for Source ID P104:

(1) The number of hours operated per month,

(2) The amount of fuel used per month,

(3) Air manifold and fuel manifold pressures, to be recorded at least once per day,

(4) The timing (BTC) of the source, to be recorded at least once per day.

(5) The supporting calculations used to verify compliance with the particulate matter, sulfur oxide, volatile organic compound, and nitrogen oxides emission limitations for Source ID P104.

(6) The test results with calculations from all EPA reference method and portable analyzer stack tests conducted on the source.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 and 127.511]

The permittee shall submit to the Department the semi-annual portable exhaust gas analyzer test reports within 30 days of the completion of each test. The report shall contain the results of the testing (reported on a pound per hour basis), a description of the testing procedures used, copies of all calculations and the specific gas analyzer used during the testing.

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

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P104 is a natural gas fired, Ingersoll Rand Model 512 KVS, four (4) stroke lean burn (4SLB) reciprocating 2000 Hp engine equipped with a low emission combustion retrofit kit.

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

**SECTION D. Source Level Requirements**

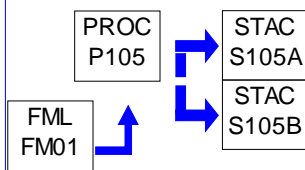
Source ID: P105

Source Name: 2500 HP, 512-KVSR-1-1 ENG

Source Capacity/Throughput:

19.000 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not emit into the outdoor atmosphere of particulate matter, from Source ID P105, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID P105 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §129.112]

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

The permittee shall not permit the emission of the following air contaminant pollutants from this source in excess of the limitations listed below:

- (1) nitrogen oxides (NO_x, expressed as NO₂) - 3.0 grams per bhp-hr,
- (2) volatile organic compounds (VOC), excluding formaldehyde - 0.5 gram per bhp-hr.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID P105.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) Within 180 days of the effective date of this permit modification, the permittee shall shall conduct EPA reference method testing programs for Nitrogen Oxide and Volatile Organic Compounds on Source ID P105 while it is operating at maximum routine operating conditions, or under other conditions as approved by the Department.

(b) Subsequent stack testing for NO_x and VOC emissions shall be performed on an approximate 5-year basis, no more than 60 months from the date of the previous test.

(c) All testing requirements specified in Section C of this Title V operating permit shall be followed.

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

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

(a) The permittee shall perform semi-annual nitrogen oxide (NO_x, expressed as NO₂) tests upon Source ID P105 using a portable gas analyzer approved by the Department, at least twice per year at a frequency of once per semi-annual period (January 1 through June 30 and July 1 through December 31). The portable gas analyzer testing shall be conducted with a minimum of three (3) months between testing.

(b) The EPA reference method testing required for Source ID P105 may be substituted for the portable analyzer testing required by this condition on a one-for-one basis (one occurrence of reference method testing may be substituted for one occurrence of portable analyzer testing) provided that the reference method testing occurs in accordance with the portable analyzer testing schedule specified herein.

(c) The Department reserves the right to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant.

III. MONITORING REQUIREMENTS.

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

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

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

(a) The permittee shall keep records of the following information for Source ID P105:

(1) The number of hours operated per month,

(2) The amount of fuel used per month,

(3) Air manifold and fuel manifold pressures, to be recorded at least once per day,

(4) The timing (BTC) of the source, to be recorded at least once per day.

(5) The supporting calculations used to verify compliance with the particulate matter, sulfur oxide, volatile organic compound, and nitrogen oxides emission limitations for Source ID P105.

(6) The test results with calculations from all EPA reference method and portable analyzer stack tests conducted on the source.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 and 127.511]

The permittee shall submit to the Department the semi-annual portable exhaust gas analyzer test reports within 30 days of the completion of each test. The report shall contain the results of the testing (reported on a pound per hour basis), a description of the testing procedures used, copies of all calculations and the specific gas analyzer used during the testing.

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

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P105 is a natural gas fired, Ingersoll Rand Model 512 KVSR-1-1, four (4) stroke lean burn (4SLB) reciprocating 2500 Hp engine equipped with a low emission combustion retrofit kit.

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

**SECTION D. Source Level Requirements**

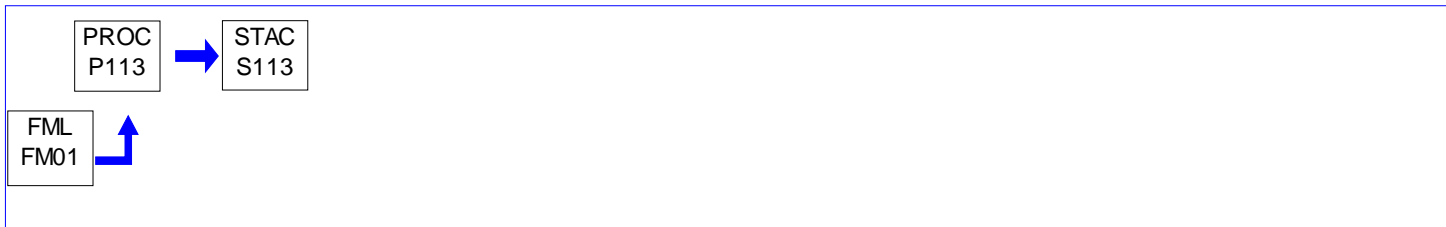
Source ID: P113

Source Name: AUXILIARY GENERATOR 738 HP/550 KW

Source Capacity/Throughput:

5.900 MCF/HR

Natural Gas

**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 P113 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID P113 in a manner that the concentration of the sulfur oxides 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 pipeline quality natural gas as fuel for Source ID P113.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall not operate Source ID P113 equal to or in excess of 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall maintain and operate the non-resettable hour meter on the emergency engine associated with Source ID P113. The non-resettable hour meter shall continuously monitor the total engine hours of operation.

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

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

(a) The permittee shall keep records to demonstrate compliance with the operation hours restrictions specified above. Pursuant to 25 Pa. Code Section 127.511(b), the records shall include all of the supporting information used to demonstrate compliance including: the date and time of each occurrence of engine operation; the total hours from the non-resettable hour meter after each occurrence; the name of the facility representative that recorded the total hours, operating conditions at the time of the recording, and description of the reason for each occurrence of engine operation.

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

007 [25 Pa. Code §129.115]**Written notification, compliance demonstration and recordkeeping and reporting requirements**

(a) The permittee shall keep sufficient records to demonstrate that this source has been installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

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

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

(a) The permittee shall submit a semi-annual report to the Department including the number of hours that Source ID P113 is operated on a monthly basis and calculations to verify compliance with the operational hour limitation in any 12 consecutive month period.

(b) The report shall be submitted to the Department no later than March 1 for the reporting period July 1 through December 31 of the previous year and September 1 for the reporting period of January 1 through June 30.

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

Pursuant to 25 Pa. Code §129.112(c)(10), the permittee shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices.

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

Source ID P113 is a natural gas fired, four (4) stroke lean burn (4SLB) emergency generator manufactured by Waukesha model 3521GL rated at 550 kW (738 hp) having low emission combustion design.

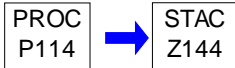
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P114

Source Name: STORAGE TANKS

Source Capacity/Throughput:

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

The permittee shall not store any liquid containing volatile organic compounds with a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions in any aboveground storage tanks of Source ID P114 with a capacity equal to or greater than 2,000 gallons.

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

The total combined emissions from Source ID P114 shall not equal or exceed 2.7 tons per year (TPY) of volatile organic compounds of which the emissions of volatile hazardous air pollutants shall not equal or exceed 1.0 TPY.

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 is also derived from 25 Pa. Code section 127.511]

(a) The permittee shall maintain comprehensive and accurate records to verify that the vapor pressure of the media under actual storage conditions in each of the Source ID P114 aboveground storage tanks with a capacity equal to, or greater than, 2000 gallons is less than, or equal to, 1.5 psia.

(b) The permittee shall maintain comprehensive and accurate records of the amount of volatile organic compounds and the amount of volatile hazardous air pollutants emitted from the Source ID P114 storage tanks on an annual basis. These records shall include all background information and calculations used in the derivation of the reported values.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source ID P114 is comprised of the following:

- (a) Two (2) Brine tanks, 9,940 gallon capacity
- (b) One (1) Ethylene Glycol (Ambitol CN) tank, 6,756 gallon capacity
- (c) One (1) Domestic Water tank, 10,000 gallon capacity
- (d) One (1) Utility/Fire Water tank, 80,000 gallon capacity
- (e) One (1) Condensate tank, 10,650 gallon capacity
- (f) One (1) Lubricating Oil tank, 6,000 gallon capacity
- (g) One (1) Waste Oil tank, 3,000 gallon capacity
- (h) One (1) Diesel Fuel Tank, 500 gallon capacity
- (i) One (1) Oil Holding Tank, 610 gallon capacity
- (j) One (1) Oil Day Tank, 350 gallon capacity
- (k) One (1) J.W. Holding Tank, 714 gallon capacity
- (l) Two (2) #1&2 MU J.W. Surge Tank, 231 gallon capacity
- (m) Two (2) MU/ J.W. Surge Tank, 411 gallon capacity
- (n) One (1) MU/ J.W. Surge Tank, 642 gallon capacity
- (o) Two (2) MU LOCW Tank, 102 gallon capacity
- (p) Three (3) LOCW Surge Tank, 231 gallon capacity
- (q) Four (4) MU Hydraulic Tank, 188 gallon capacity
- (r) One (1) MU Hydraulic Tank, 41 gallon capacity

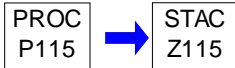
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P115

Source Name: FUGITIVES

Source Capacity/Throughput:

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

The total combined Source ID P115 emissions shall not equal or exceed 1.0 ton volatile organic compound (VOC) in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code section 123.1]

(a) The permittee shall, at a minimum, on a monthly basis perform a leak detection and repair program that includes audible, visual, and olfactory (AVO) inspections of the Source ID P115 components within the facility, and the monthly AVO inspection performances shall be conducted with a minimum of 3 weeks between one another. Any equipment or component that is designed to protect the equipment or safety of personnel shall not be considered a leak.

(b) Leaks shall be repaired no later than 30 calendar days after discovery unless facility shutdowns or ordering of replacement parts are necessary for repair of the leaks. The permittee may request an extension of the deadline for a repair.

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

[Authority is also derived from 25 Pa. Code section 127.511]

(a) The permittee shall maintain and make available, upon request by the Department, records of the AVO inspections performed on Source ID P115 that include the following in a logbook or electronically:

- (1) The date and time of each AVO inspection/monitoring performance;
- (2) The initials of person(s) that conducted the monitoring;
- (3) The operating conditions as existing at the time of monitoring;
- (4) The results of the monitoring including, as applicable, the date of each detected leak and the positive indication, whether audible, visual, or odorous, determined during the AVO inspection;
- (5) The initials of person(s) repairing each leak; and
- (6) The date each leak is repaired and description of the action/inspection taken to determine that the leak is repaired.

(b) The permittee shall retain records of the required information for at least five (5) years from the date of the monitoring.

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

[Authority is also derived from 25 Pa. Code section 127.511]

**SECTION D. Source Level Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of the amount of volatile organic compounds emitted from Source ID P115 during each 12 consecutive month period. These records shall include all background information and calculations used in the derivation of the reported values.

(b) The permittee shall retain records of the required emissions data and supporting information for at least five (5) years.

005 [25 Pa. Code §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

The permittee shall maintain records that demonstrate to the Department that Source ID P115 is not subject to 25 Pa. Code §129.112 based on the potential to emit not exceeding the specified emission rate threshold of 1 ton per year of VOCs.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P115 is comprised of any component that has the potential to emit fugitive emissions of methane or volatile organic compounds, such as but not limited to valves, flanges, connectors, pressure relief device, open-ended lines, compressors, instruments, meters, covers, and closed vent systems. Devices that vent as part of normal operations are not considered fugitive sources unless the emission originates from a place other than a vent.

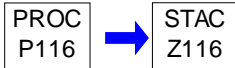
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P116

Source Name: PARTS WASHER 35 GALLON

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) The permittee shall keep records on the following information for Source ID P116:

- (1) The name and address of the solvent supplier,
- (2) The type of solvent including the product or vendor identification number,
- (3) The vapor pressure of the solvent measured in mm of Hg at 68 degrees F.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

Source ID P116 shall be equipped with a cover that shall be closed at all times except during the cleaning of parts or the addition or removal of solvent.

003 [25 Pa. Code §129.63]**Degreasing operations**

Source ID P116 shall have the following:

- (1) A permanent conspicuous label summarizing these operating requirements:

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

**SECTION D. Source Level Requirements**

(b) 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.

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

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

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

(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.

(b) During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

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

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P116 is a solvent based part degreasing station Snap-On Model YDM-126, 35 gallon reservoir with closable lid.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.63]

The vapor pressure of VOC containing solvent used in Source ID P116 shall be less than 1.0 millimeter of mercury (mm Hg) measured at 20 degrees Celsius (68 degrees Fahrenheit).

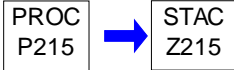
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P215

Source Name: BLOWDOWNS/VENTING

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total combined emissions from Source ID P215 shall not equal or exceed 2.7 tons of volatile organic compounds in any 12 consecutive month period of which the emissions of volatile hazardous air pollutants shall not equal or exceed 1.0 ton in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain and make available, upon request by the Department, records of the amount of volatile organic compounds and the amount of volatile hazardous air pollutants emitted from Source ID P215 during each 12 consecutive month period. These records shall include all background information and calculations used in the derivation of the reported values.

(b) The permittee shall retain records of the required emissions data and supporting information for at least five (5) years.

003 [25 Pa. Code §129.115]

Written notification, compliance demonstration and recordkeeping and reporting requirements

(a) The permittee shall keep sufficient records to demonstrate that this source has been installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §129.112]

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

Pursuant to 25 Pa. Code §129.112(c)(2), the permittee shall install, maintain and operate this source in accordance with the manufacturer's specifications and with good operating practices.

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

Source ID P215 consists of all station venting and blowdowns.

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



SECTION E. Source Group Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.

The following air contaminant sources at the facility are considered to be trivial 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) One (1) Sand Blasting Station, Econoline with integral filter. The filter shall control the particulate matter emissions from the sandblasting station.
- (b) One (1) Portable Pressure Washer, Gasoline fired, Honda, 13.0 HP
- (c) One (1) Portable Air Compressor, Diesel fired, Deutz Diesel, 173 CID, 2.64 gph, 150 HP
- (d) One (1) Portable Electric Generator, Gasoline fired, Honda, Model EB 5000, 11.0 HP
- (e) One (1) Portable Air Compressor, Gasoline fired, Briggs and Stratton 5.0 HP
- (f) One (1) Portable Welder, Gasoline fired, Lincoln, SA-200 F-163, 100 HP



***** End of Report *****
