



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date:	September 7, 2021	Effective Date:	November 4, 2021
Revision Date:	November 4, 2021	Expiration Date:	September 6, 2026
Revision Type:	Amendment		

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: 53-00008**

Federal Tax Id - Plant Code: 25-0850705-12

**Owner Information**

Name: NATL FUEL GAS SUPPLY CORP  
Mailing Address: 6363 MAIN ST  
WILLIAMSVILLE, NY 14221-5855

**Plant Information**

Plant: NATL FUEL GAS SUPPLY/EAST FORK COMP STA  
Location: 53 Potter County 53930 Wharton Township  
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

**Responsible Official**

Name: MICHAEL J BARBER  
Title: ASSISTANT VICE PRESIDENT  
Phone: (814) 871 - 8658 Email: BarberM@natfuel.com

**Permit Contact Person**

Name: EMILY MEMMONS  
Title: ENGINEER III  
Phone: (716) 857 - 7742 Email: EmmonsE@natfuel.com

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



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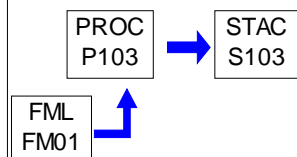
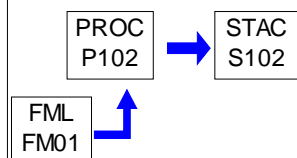
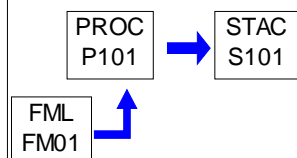
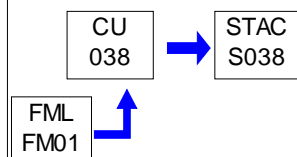
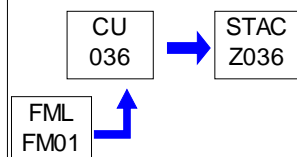
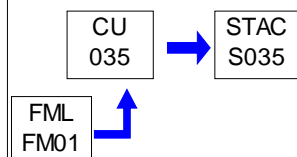
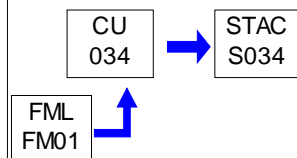
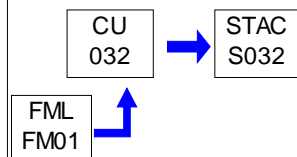
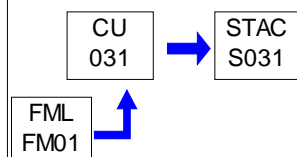
### Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	FREDERICK LOGAN HEATER 0.25 MMBTU/HR		
032	UTICA BOILER 1.12 MMBTU/HR		
034	2 FURNACES		
035	4 WATER HEATERS		
036	2 COMFORT GLOW SPACE HEATERS 0.018 MMBTU/HR		
038	4 REZNOR SPACE HEATERS		
P101	AJAX 540 HP ENGINE 1		
P102	AJAX 540 HP ENGINE 2		
P103	AJAX 540 HP ENGINE 3		
P104	AJAX 720 HP ENGINE 4		
P105	AJAX 720 HP ENGINE 5		
P106	ONAN 75 KW EMERGENCY GENERATOR 1		
P107	ONAN 20 KW EMERGENCY GENERATOR 2		
P108	4 STORAGE TANKS		
P110	2 SUMPS 1000 GAL EACH DEMINIMUS WATER		
P111	PIPELINE VALVES & FLANGES		
P501	PNEUMATIC DEVICES		
P601	VENTING/BLOWDOWN OPERATIONS		
P801	PIGGING OPERATIONS		
FM01	NATURAL GAS PIPELINE		
S031	HEATER STACK		
S032	BOILER STACK		
S034	FURNACE STACKS		
S035	WATER HEATER STACKS		
S038	HEATER STACKS		
S101	ENGINE 1 STACK		
S102	ENGINE 2 STACK		
S103	ENGINE 3 STACK		
S104	ENGINE 4 STACK		
S105	ENGINE 5 STACK		
S106	GENERATOR 1 STACK		
S107	GENERATOR 2 STACK		
Z036	SPACE HEATER FUGITIVES		
Z108	TANK FUGITIVES		
Z110	SUMP FUGITIVES		
Z111	PIPELINE FUGITIVES		
Z501	FUGITIVE EMISSIONS		
Z601	FUGITIVE EMISSIONS		
Z801	FUGITIVE EMISSIONS		

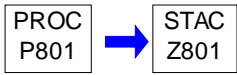
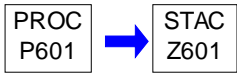
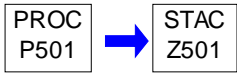
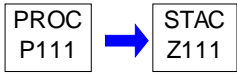
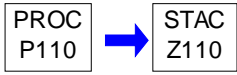
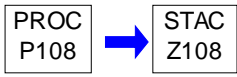
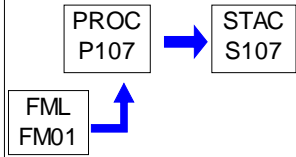
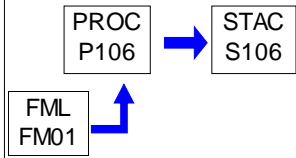
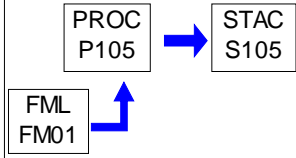
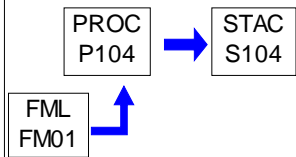


## PERMIT MAPS





## 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

Enforcement & Compliance Assurance Division  
Air, RCRA and Toxics Branch  
Air Section  
1650 Arch Street, 3ED21  
Philadelphia, PA 19103

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

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

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

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

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

**#024 [25 Pa. Code § 127.513]****Compliance Certification**

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of

**SECTION B. General Title V Requirements**

the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

**#025 [25 Pa. Code §§ 127.511 & Chapter 135]****Recordkeeping Requirements**

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

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

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

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

**#026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]****Reporting Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.



**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

The permittee shall not permit the emission of fugitive air contaminants into the outdoor atmosphere from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the operator 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**

The permittee shall not permit the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in (1) through (8) in condition #001 herein if the emissions are visible at the point the emissions pass outside the permittee's property.

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

The permittee shall not permit the emission of visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following:

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

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

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

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in (1) through (8) in condition #001 herein.

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

The total combined facility-wide emission of volatile organic compounds from all sources at the facility shall not exceed 45.00 tons in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §139.1]****Sampling facilities.**

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

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

- (1) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at

**SECTION C. Site Level Requirements**

maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(2) 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, at a minimum, all of the following:

- (a) A thorough source description, including a description of any air cleaning devices and the flue.
- (b) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (c) The location of sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures.
- (e) 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.
- (f) Laboratory procedures and results.
- (g) Calculated results.

**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §123.43]****Measuring techniques**

Visible air contaminants 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.**

The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect:

- (1) The presence of visible air contaminant emissions.
- (2) The presence of visible fugitive air contaminant emissions.
- (3) The presence of malodorous air contaminant emission beyond the facility's property boundaries.

All detected visible air contaminant emissions, visible fugitive air contaminant emissions or malodorous air contaminant emissions that have the potential to exceed applicable limits shall be reported to the manager of the facility.

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

The permittee shall maintain accurate and comprehensive records of the volatile organic compound emissions from all sources at the facility for each month, as well as the supporting calculations used to verify compliance with the 12 consecutive month volatile organic compound emission limitation established for the facility for each month. All records shall be retained for a minimum of five (5) years and be made available to the Department upon request.

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

The permittee shall maintain a logbook of the weekly inspections performed at this facility and shall record all occurrences of observed visible air contaminant emissions, visible fugitive air contaminant emissions and malodorous air contaminant emissions, the name of the company representative observing these occurrences and the date and time of each such occurrence. The permittee shall also record the corrective action(s) taken to abate each recorded deviation or to prevent future occurrences. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**SECTION C. Site Level Requirements****# 012 [25 Pa. Code §135.5]****Recordkeeping**

The permittee shall maintain such records including computerized records as may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21. 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. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit semi-annual reports of the volatile organic compound emissions from all sources at the facility for each month, as well as the supporting calculations used to verify compliance with the 12 consecutive month volatile organic compound emission limitation established for the facility for each month. The semi-annual reports shall be submitted to the Department by no later than September 1 for the preceding January 1 to June 30 time period and March 1 for the preceding July 1 to December 31 time period.

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

- (1) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (2) 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.
- (3) The report shall describe the following:
  - (a) name, permit or authorization number, and location of the facility,
  - (b) nature and cause of the malfunction, emergency or incident,
  - (c) date and time when the malfunction, emergency or incident was first observed,
  - (d) expected duration of excess emissions,
  - (e) estimated rate of emissions,
  - (f) corrective actions or preventative measures taken.
- (4) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (2) 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 (3), and any permit specific malfunction reporting requirements.
- (5) 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 (2) through (4), as applicable, including any permit specific malfunction reporting requirements.
- (6) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.
- (7) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

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

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

**SECTION C. Site Level Requirements****# 016 [25 Pa. Code §135.21]****Emission statements**

- (1) 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.
- (2) 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.
- (3) The Department may require more frequent submittals if the Department determines that one or more of the following applies:
- (a) A more frequent submission is required by the EPA.
- (b) Analysis of the data on a more frequent basis is necessary to implement the requirements of the Air Pollution Control Act.

**# 017 [25 Pa. Code §135.3]****Reporting**

- (1) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management System (AIMS) report, shall submit by March 1 of each year an annual AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.
- (2) A person who receives initial notification by the Department that an annual AIMS report is necessary, shall submit an initial annual AIMS report within sixty (60) days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.
- (3) A source owner or operator may request an extension of time from the Department for the filing of an annual AIMS report, and the Department may grant the extension for reasonable cause.

**VI. WORK PRACTICE REQUIREMENTS.****# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

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

**VII. ADDITIONAL REQUIREMENTS.****# 019 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001 through 4015).

**# 020 [25 Pa. Code §123.31]****Limitations**

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

**SECTION C. Site Level Requirements****# 021 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: FREDERICK LOGAN HEATER 0.25 MMBTU/HR

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee shall not permit the emission of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source 031 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 use only pipeline quality natural gas as fuel for Source 031.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source 031 is a natural gas-fired Frederick Logan heater with a rated heat input of 0.25 million Btu per hour.



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: UTICA BOILER 1.12 MMBTU/HR

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source 032 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 use only pipeline quality natural gas as fuel for Source 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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.93]

Source 032 shall be maintained and operated in accordance with the manufacturer's specifications and good air pollution control practices.



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

Source 032 is a natural gas-fired Utica model J1115B boiler with a rated heat input of 1.12 million Btu per hour.

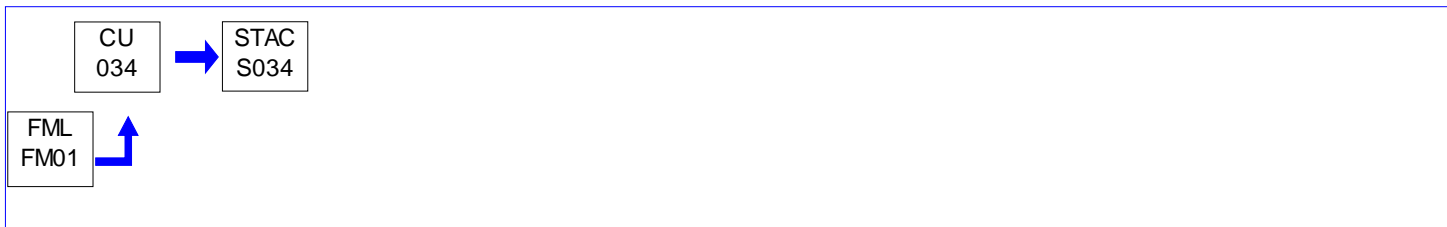
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: 2 FURNACES

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from the furnaces incorporated in Source 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 use only pipeline quality natural gas as fuel for the furnaces incorporated in Source 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.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 034 is comprised of a natural gas-fired Carrier model 58MCB140-20 furnace with a rated heat input of 0.138 million Btu per hour and a natural gas-fired Bryant furnace with a rated heat input of 0.075 million Btu per hour.

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

**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: 4 WATER HEATERS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from the water heaters incorporated in Source 035 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 Source 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.**

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

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.93]

The two Richmond and the Reliance water heaters incorporated in Source 035 shall be maintained and operated in accordance with the manufacturer's specifications and good air pollution control practices.

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

Source 035 is comprised of the following four (4) natural gas-fired water heaters:

- (1) Richmond model 6G30S-30F water heater
- (2) Richmond model 6G30-32F1 water heater
- (3) Reliance model 630YORT water heater
- (4) US Craft Master water heater

The total combined rated heat input of the water heaters is 0.138 million Btu per hour.

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

**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: 2 COMFORT GLOW SPACE HEATERS 0.018 MMBTU/HR

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

The permittee shall not permit the emission of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, into the outdoor atmosphere from the space heaters incorporated in Source 036 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 use only pipeline quality natural gas as fuel for Source 036.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.93]

The space heaters incorporated in Source 036 shall be maintained and operated in accordance with the manufacturer's specifications and good air pollution control practices.

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

Source 036 is comprised of two (2) natural gas-fired Comfort Glow space heaters, each with a rated heat input of 0.018 million Btu per hour.

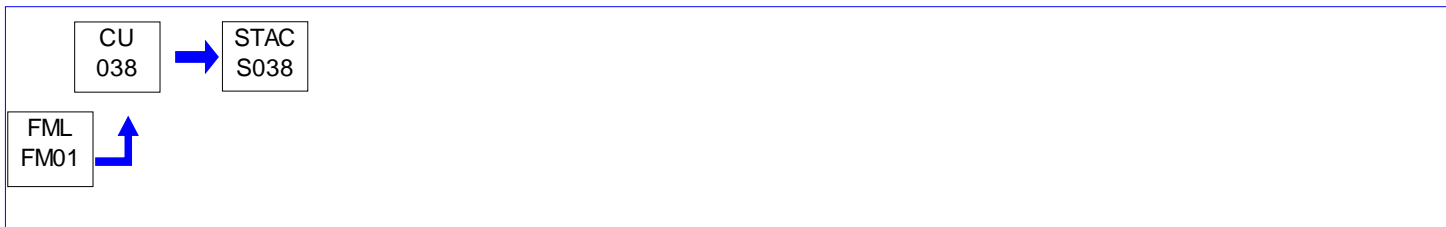
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 038

Source Name: 4 REZNOR SPACE HEATERS

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee shall not permit the emission of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, into the outdoor atmosphere from the space heaters incorporated in Source 038 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 the space heaters incorporated in Source 038.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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



**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 038 is comprised of three (3) natural gas-fired Reznor model UDAP150 space heaters, each with a rated heat input of 0.150 million Btu per hour, and a natural gas-fired Reznor model UDAP125 heater with a rated heat input of 0.120 million Btu per hour.

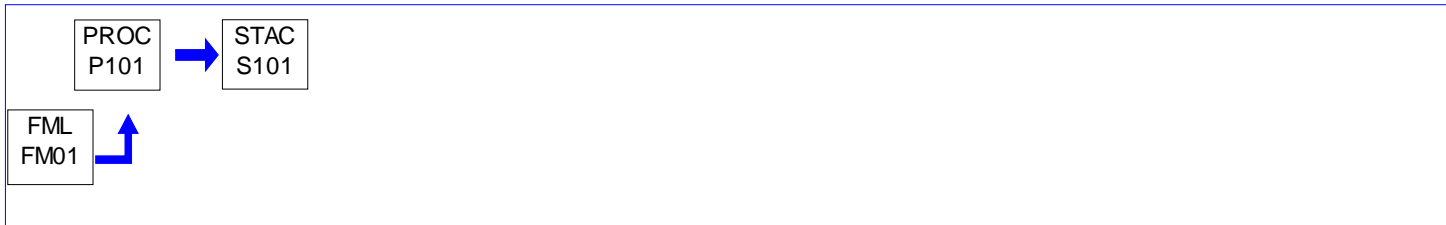
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: AJAX 540 HP ENGINE 1

Source Capacity/Throughput:

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P101 in such 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**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P101 in such 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 §127.441]****Operating permit terms and conditions.**

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

(1) The air contaminant emissions from Source P101 shall not exceed the following limitations at "full load and full speed" operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 3.57 pounds per hour
- (b) carbon monoxide - 1.19 pounds per hour
- (c) nonmethane hydrocarbons - 0.74 pounds per hour

(2) The air contaminant emissions from Source P101 shall not exceed the following limitations under any operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 3.57 pounds per hour
- (b) carbon monoxide - 4.75 pounds per hour
- (c) nonmethane hydrocarbons - 2.05 pounds per hour

**# 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 129.91]

The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission limitations are waived during startups and shutdowns of Source P101 provided the startups and shutdowns do not exceed one hour in duration.

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

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

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

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

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

(1) By no later than August 9, 2025, and by no later than every five years thereafter (August 9, 2030, August 9, 2035, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing on Source P101 to determine the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission rates from the source using test methods and procedures deemed acceptable by the Department. All testing shall be performed while the source is operating as close as possible to full load and full speed (at least 90% or above).

(2) At least 90 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This protocol shall describe the test methods and procedures to be used in the performance of testing and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all operating parameters which will be monitored and recorded during the performance of testing.

(3) At least 14 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

**# 007 [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]

(1) The permittee shall perform nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide testing upon Source P101 at six-month intervals using a portable gas analyzer. The test protocol for performing nitrogen oxides and carbon monoxide testing using a portable gas analyzer shall be approved by the Department at least one time.

(2) This testing shall be performed semiannually with no less than 60 days between tests.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.95]

The permittee shall maintain accurate and comprehensive records of the following operating parameters of Source P101 at least once per 8-hour manned shift:

- (1) engine speed
- (2) ambient temperature
- (3) fuel manifold pressure
- (4) ignition timing
- (5) engine load (% developed torque)
- (6) air manifold pressure
- (7) exhaust gas temperature

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to

**SECTION D. Source Level Requirements**

the Department upon request.

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

The permittee shall maintain accurate and comprehensive records of the following information for Source P101:

- (1) The calculations used to verify compliance with the nitrogen oxides, carbon monoxide, nonmethane hydrocarbon, particulate matter and sulfur oxides emission limitations established for Source P101.
- (2) The results of the semi-annual nitrogen oxides and carbon monoxide testing using a portable gas analyzer.
- (3) Stack test reports.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P101 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

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

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

Within 60 days following the completion of any testing required herein for Source P101, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emissions limitations specified herein.

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

The submission of annual or semi-annual reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental

**SECTION D. Source Level Requirements**

Protection Agency. The copies may be sent to:

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

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The results of all portable analyzer testing performed on Source P101 shall be submitted to the Department within 30 days of test performance.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

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

The permittee shall report each instance in which Source P101 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P101 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P101 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650(d).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

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

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following work practices for Source P101 as prescribed herein:

- (1) Change oil and filter every 4,320 hours of operation or annually, whichever comes first.
- (2) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

**SECTION D. Source Level Requirements****# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

At all times the permittee shall operate and maintain Source P101 in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall operate and maintain Source P101 according to the manufacturer's emission-related written instructions or develop a source specific maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P101 in a manner consistent with good air pollution control practice for minimizing emissions.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize Source P101's time spent at idle during startup and minimize the source's startup time to a period needed for appropriate and safe loading of the source, not to exceed 30 minutes.

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

Source P101 is a 540 horsepower, 2-stroke, lean-burn, natural gas-fired Ajax model DPC-540LE compressor engine.

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source P101 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

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

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: AJAX 540 HP ENGINE 2

Source Capacity/Throughput:

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P102 in such 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**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P102 in such 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 §127.441]****Operating permit terms and conditions.**

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

The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission limitations are waived during startups and shutdowns of Source P102 provided the startups and shutdowns do not exceed one hour in duration.

**# 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 129.91]

(1) The air contaminant emissions from Source P102 shall not exceed the following limitations at "full load and full speed" operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 3.57 pounds per hour
- (b) carbon monoxide - 1.19 pounds per hour
- (c) nonmethane hydrocarbons - 0.74 pounds per hour

(2) The air contaminant emissions from Source P102 shall not exceed the following limitations under any operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 3.57 pounds per hour
- (b) carbon monoxide - 4.75 pounds per hour
- (c) nonmethane hydrocarbons - 2.05 pounds per hour

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

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

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

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

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

(1) By no later than August 9, 2025, and by no later than every five years thereafter (August 9, 2030, August 9, 2035, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing on Source P102 to determine the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission rates from the source using test methods and procedures deemed acceptable by the Department. All testing shall be performed while the source is operating as close as possible to full load and full speed (at least 90% or above).

(2) At least 90 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This protocol shall describe the test methods and procedures to be used in the performance of testing and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all operating parameters which will be monitored and recorded during the performance of testing.

(3) At least 14 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

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

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

(1) The permittee shall perform nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide testing upon Source P102 at six-month intervals using a portable gas analyzer. The test protocol for performing nitrogen oxides and carbon monoxide testing using a portable gas analyzer shall be approved by the Department at least one time.

(2) This testing shall be performed semiannually with no less than 60 days between tests.

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

The permittee shall maintain accurate and comprehensive records of the following information for Source P102:

(1) The calculations used to verify compliance with the nitrogen oxides, carbon monoxide, nonmethane hydrocarbon, particulate matter and sulfur oxides emission limitations established for Source P102.

(2) The results of the semi-annual nitrogen oxides and carbon monoxide testing using a portable gas analyzer.

(3) Stack test reports.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.95]



**SECTION D. Source Level Requirements**

The permittee shall maintain accurate and comprehensive records of the following operating parameters of Source P102 at least once per 8-hour manned shift:

- (1) engine speed
- (2) ambient temperature
- (3) fuel manifold pressure
- (4) ignition timing
- (5) engine load (% developed torque)
- (6) air manifold pressure
- (7) exhaust gas temperature

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**

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

**What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P102 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

Within 60 days following the completion of any testing required herein for Source P102, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emissions limitations specified herein.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The results of all portable analyzer testing performed on Source P102 shall be submitted to the Department within 30 days of test performance.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The submission of annual or semi-annual reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA e-mail address and Administrator postal address listed below.

**SECTION D. Source Level Requirements**

The submission of all other requests, applications submittals and other communications required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

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

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

The permittee shall report each instance in which Source P102 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P102 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P102 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650(d).

**VI. WORK PRACTICE REQUIREMENTS.****# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following work practices for Source P102 as prescribed herein:

- (1) Change oil and filter every 4,320 hours of operation or annually, whichever comes first.
- (2) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

**SECTION D. Source Level Requirements**

At all times the permittee shall operate and maintain Source P102 in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

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

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

The permittee shall operate and maintain Source P102 according to the manufacturer's emission-related written instructions or develop a source specific maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P102 in a manner consistent with good air pollution control practice for minimizing emissions.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

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

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

The permittee shall minimize Source P102's time spent at idle during startup and minimize the source's startup time to a period needed for appropriate and safe loading of the source, not to exceed 30 minutes.

**VII. ADDITIONAL REQUIREMENTS.**

**# 019 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P102 is a 540 horsepower, 2-stroke, lean-burn, natural gas-fired Ajax model DPC-540LE compressor engine.

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**

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

**Am I subject to this subpart?**

Source P102 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

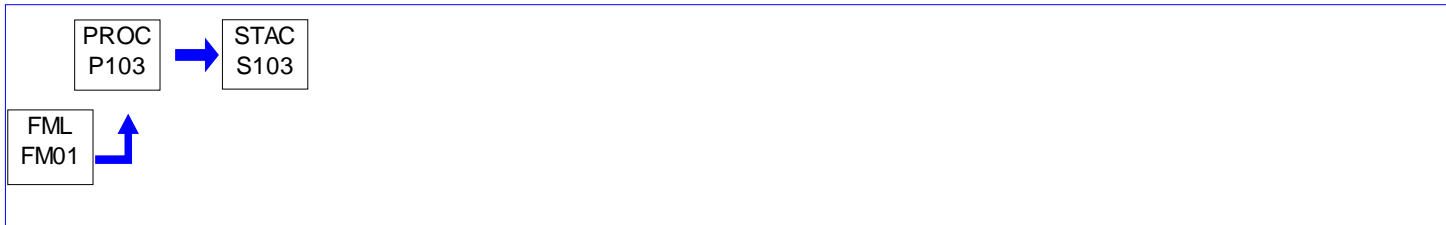
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: AJAX 540 HP ENGINE 3

Source Capacity/Throughput:

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P103 in such 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**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P103 in such 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 §127.441]****Operating permit terms and conditions.**

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

The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission limitations are waived during startups and shutdowns of Source P103 provided the startups and shutdowns do not exceed one hour in duration.

**# 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 129.91]

(1) The air contaminant emissions from Source P103 shall not exceed the following limitations at "full load and full speed" operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 3.57 pounds per hour
- (b) carbon monoxide - 1.19 pounds per hour
- (c) nonmethane hydrocarbons - 0.74 pounds per hour

(2) The air contaminant emissions from Source P103 shall not exceed the following limitations under any operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 3.57 pounds per hour
- (b) carbon monoxide - 4.75 pounds per hour
- (c) nonmethane hydrocarbons - 2.05 pounds per hour

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

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

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

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

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

(1) By no later than August 9, 2025, and by no later than every five years thereafter (August 9, 2030, August 9, 2035, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing on Source P103 to determine the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission rates from the source using test methods and procedures deemed acceptable by the Department. All testing shall be performed while the source is operating as close as possible to full load and full speed (at least 90% or above).

(2) At least 90 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This protocol shall describe the test methods and procedures to be used in the performance of testing and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all operating parameters which will be monitored and recorded during the performance of testing.

(3) At least 14 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

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

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

(1) The permittee shall perform nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide testing upon Source P103 at six-month intervals using a portable gas analyzer. The test protocol for performing nitrogen oxide and carbon monoxide testing using a portable gas analyzer shall be approved by the Department at least one time.

(2) This testing shall be performed semiannually with no less than 60 days between tests.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.95]

The permittee shall maintain accurate and comprehensive records of the following operating parameters of Source P103 at least once per 8-hour manned shift:

- (1) engine speed
- (2) ambient temperature
- (3) fuel manifold pressure
- (4) ignition timing
- (5) engine load (% developed torque)
- (6) air manifold pressure
- (7) exhaust gas temperature

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to

**SECTION D. Source Level Requirements**

the Department upon request.

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

The permittee shall maintain accurate and comprehensive records of the following information for Source P103:

- (1) The calculations used to verify compliance with the nitrogen oxides, carbon monoxide, nonmethane hydrocarbon, particulate matter and sulfur oxides emission limitations for Source P103.
- (2) The results of the semi-annual nitrogen oxides and carbon monoxide testing using a portable gas analyzer.
- (3) Stack test reports.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P103 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

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

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

Within 60 days following the completion of any testing required herein for Source P103, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emissions limitations specified herein.

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

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

The results of all portable analyzer testing performed on Source P103 shall be submitted to the Department within 30 days of test performance.

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

The submission of annual or semi-annual reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must

**SECTION D. Source Level Requirements**

be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

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

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

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

The permittee shall report each instance in which Source P103 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P103 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P103 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650(d).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

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

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following work practices for Source P103 as prescribed herein:

- (1) Change oil and filter every 4,320 hours of operation or annually, whichever comes first.
- (2) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

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

**SECTION D. Source Level Requirements****What are my general requirements for complying with this subpart?**

At all times the permittee shall operate and maintain Source P103 in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall operate and maintain Source P103 according to the manufacturer's emission-related written instructions or develop a source specific maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P103 in a manner consistent with good air pollution control practice for minimizing emissions.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize Source P103's time spent at idle during startup and minimize the source's startup time to a period needed for appropriate and safe loading of the source, not to exceed 30 minutes.

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

Source P103 is a 540 horsepower, 2-stroke, lean-burn, natural gas-fired Ajax model DPC-540LE compressor engine.

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source P103 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

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



**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: AJAX 720 HP ENGINE 4

Source Capacity/Throughput:

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P104 in such 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**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P104 in such 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 §127.441]****Operating permit terms and conditions.**

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

The nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission limitations are waived during startups and shutdowns of Source P104 provided the startups and shutdowns do not exceed one hour in duration.

**# 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 129.91]

(1) The air contaminant emissions from Source P104 shall not exceed the following limitations at "full load and full speed" operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 4.76 pounds per hour
- (b) carbon monoxide - 1.59 pounds per hour
- (c) nonmethane hydrocarbons - 0.96 pounds per hour

(2) The air contaminant emissions from Source P104 shall not exceed the following limitations at all times of operation:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 4.76 pounds per hour
- (b) carbon monoxide - 6.38 pounds per hour
- (c) nonmethane hydrocarbons - 2.76 pounds per hour

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

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

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

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

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

(1) By no later than August 9, 2025, and by no later than every five years thereafter (August 9, 2030, August 9, 2035, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing on Source P104 to determine the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission rates from the source using test methods and procedures deemed acceptable by the Department. All testing shall be performed while the source is operating as close as possible to full load and full speed (at least 90% or above).

(2) At least 90 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This protocol shall describe the test methods and procedures to be used in the performance of testing and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all operating parameters which will be monitored and recorded during the performance of testing.

(3) At least 14 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

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

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

(1) The permittee shall perform nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide testing upon Source P104 at six-month intervals using a portable gas analyzer. The test protocol for performing nitrogen oxides and carbon monoxide testing using a portable gas analyzer shall be approved by the Department at least one time.

(2) This testing shall be performed semiannually with no less than 60 days between tests.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.95]

The permittee shall maintain accurate and comprehensive records of the following operating parameters of Source P104 at least once per 8-hour manned shift:

- (1) engine speed
- (2) ambient temperature
- (3) fuel manifold pressure
- (4) ignition timing
- (5) engine load (% developed torque)
- (6) air manifold pressure
- (7) exhaust gas temperature

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to

**SECTION D. Source Level Requirements**

the Department upon request.

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

The permittee shall maintain accurate and comprehensive records of the following information for Source P104:

- (1) The calculations used to verify compliance with the nitrogen oxides, carbon monoxide nonmethane hydrocarbon, particulate matter and sulfur oxides emission limitations for Source P104.
- (2) The results of the semi-annual nitrogen oxides and carbon monoxide testing using a portable gas analyzer.
- (3) Stack test reports.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P104 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

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

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

The results of all portable analyzer testing performed on Source P104 shall be submitted to the Department within 30 days of test performance

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

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

Within 60 days following the completion of any testing required herein for Source P104, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emissions limitations specified herein.

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

The submission of annual or semi-annual reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must

**SECTION D. Source Level Requirements**

be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

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

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

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

The permittee shall report each instance in which Source P104 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P104 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P104 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650(d).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

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

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following work practices for Source P104 as prescribed herein:

- (1) Change oil and filter every 4,320 hours of operation or annually, whichever comes first.
- (2) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

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

**SECTION D. Source Level Requirements****What are my general requirements for complying with this subpart?**

At all times the permittee shall operate and maintain Source P104 in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall operate and maintain Source P104 according to the manufacturer's emission-related written instructions or develop a source specific maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P104 in a manner consistent with good air pollution control practice for minimizing emissions.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize Source P104's time spent at idle during startup and minimize the source's startup time to a period needed for appropriate and safe loading of the source, not to exceed 30 minutes.

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

Source P104 is a 720 horsepower, 2-stroke, lean-burn, natural gas-fired Ajax model DPC-720LE compressor engine.

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source P104 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

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

**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: AJAX 720 HP ENGINE 5

Source Capacity/Throughput:

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P105 in such 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**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P105 in such 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 §127.441]****Operating permit terms and conditions.**

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

(1) The air contaminant emissions from Source P105 shall not exceed the following limitations at "full load and full speed" operating conditions:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 4.76 pounds per hour
- (b) carbon monoxide - 1.59 pounds per hour
- (c) nonmethane hydrocarbons - 0.96 pounds per hour

(2) The air contaminant emissions from Source P105 shall not exceed the following limitations at all times of operation:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 4.76 pounds per hour
- (b) carbon monoxide - 6.38 pounds per hour
- (c) nonmethane Hydrocarbons - 2.76 pounds per hour

**# 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 129.91]

The nitrogen oxide (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission limitations are waived during startups and shutdowns of Source P105 provided the startups and shutdowns do not exceed one hour in duration.

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

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

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

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

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

(1) The permittee shall perform nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) and carbon monoxide testing upon Source P105 at six-month intervals using a portable gas analyzer. The test protocol for performing nitrogen oxides and carbon monoxide testing using a portable gas analyzer shall be approved by the Department at least one time.

(2) This testing shall be performed semiannually with no less than 60 days between tests.

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

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

(1) By no later than August 9, 2025, and by no later than every five years thereafter (August 9, 2030, August 9, 2035, etc.), but, in each case, not more than one year prior to the specified deadline, the permittee shall perform stack testing on Source P105 to determine the nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>), carbon monoxide and nonmethane hydrocarbon emission rates from the source using test methods and procedures deemed acceptable by the Department. All testing shall be performed while the source is operating as close as possible to full load and full speed (at least 90% or above).

(2) At least 90 days prior to the performance of any testing required herein, the permittee shall submit a printed copy and an electronic copy in pdf format of a pretest protocol to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and to the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This protocol shall describe the test methods and procedures to be used in the performance of testing and shall include dimensioned sketches of the exhaust system showing the locations of all proposed sampling ports. The protocol shall also identify all operating parameters which will be monitored and recorded during the performance of testing.

(3) At least 14 days prior to the performance of any testing required herein, the permittee shall notify the Department of the actual date(s) and time(s) that testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper notification having first been given.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.95]

The permittee shall maintain accurate and comprehensive records of the following operating parameters of Source P105 at least once per 8-hour manned shift:

- (1) engine speed
- (2) ambient temperature
- (3) fuel manifold pressure
- (4) ignition timing
- (5) engine load (% developed torque)
- (6) air manifold pressure
- (7) exhaust gas temperature

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to

**SECTION D. Source Level Requirements**

the Department upon request.

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

The permittee shall maintain accurate and comprehensive records of the following information for Source P105:

- (1) The calculations used to verify compliance with the nitrogen oxides, carbon monoxide, nonmethane hydrocarbon, particulate matter and sulfur oxides emission limitations for Source P105.
- (2) The results of the semi-annual nitrogen oxides and carbon monoxide testing using a portable gas analyzer.
- (3) Stack test reports.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P105 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

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

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

The results of all portable analyzer testing performed on Source P105 shall be submitted to the Department within 30 days of test performance.

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

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

Within 60 days following the completion of any testing required herein for Source P105, the permittee shall submit a printed copy and an electronic copy in pdf format of a test report to the Northcentral Regional Air Program Manager (Department of Environmental Protection, 208 West Third Street, Suite 101, Williamsport, PA 17701 and RA-EPNCstacktesting@pa.gov) and the Source Testing Section Program Manager (Division of Source Testing and Monitoring, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105 and RAEPstacktesting@pa.gov) for review. This test report shall contain the results of the testing, a description of the test methods and procedures actually used, copies of all raw test data with sample calculations and copies of all process data recorded during testing. The results of all testing shall be expressed in units which will allow direct comparisons to the emissions limitations specified herein.

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

The submission of annual or semi-annual reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must



**SECTION D. Source Level Requirements**

be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

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and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

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

The permittee shall report each instance in which Source P105 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P105 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P105 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650(d).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

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

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following work practices for Source P105 as prescribed herein:

- (1) Change oil and filter every 4,320 hours of operation or annually, whichever comes first.
- (2) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

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

**SECTION D. Source Level Requirements****What are my general requirements for complying with this subpart?**

At all times the permittee shall operate and maintain Source P105 in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall operate and maintain Source P105 according to the manufacturer's emission-related written instructions or develop a source specific maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P105 in a manner consistent with good air pollution control practice for minimizing emissions.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize Source P105's time spent at idle during startup and minimize the source's startup time to a period needed for appropriate and safe loading of the source, not to exceed 30 minutes.

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

Source P105 is a 720 horsepower, 2-stroke, lean-burn, natural gas-fired Ajax model DPC-720LE compressor engine.

**# 020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source P105 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

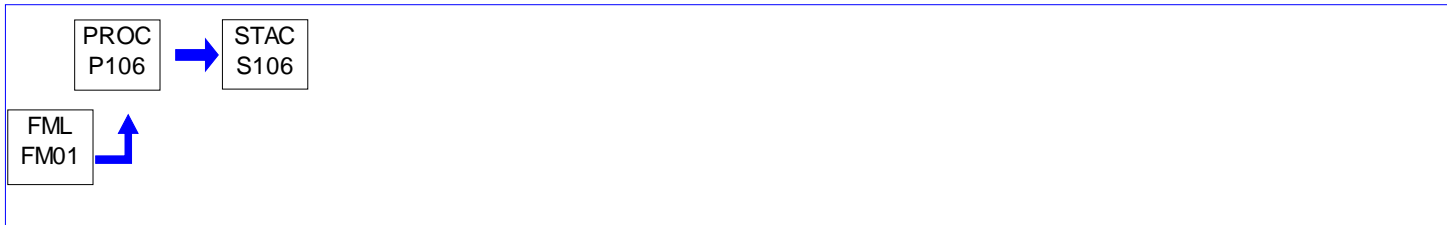
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: ONAN 75 KW EMERGENCY GENERATOR 1

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P106 in such 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**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P106 in such 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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.93]

The permittee shall use only pipeline quality natural gas as fuel for Source P106.

**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 129.93]

Source P106 shall not be operated more than 500 hours in any 12 consecutive month period.

# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

Any operation of Source P106, other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in Subsections (1) through (3), is prohibited.

(1) With respect to demonstrating compliance with this condition, there is no time limit on the use of Source P106 in emergency situations.

(2) The permittee may operate Source P106 for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor or the insurance company associated with the source, for a maximum of 100 hours per calendar year. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of Source P106 beyond 100 hours per calendar year. Any operation for non-emergency situations as allowed by Subsection (3) of this condition counts as part of the 100 hours per calendar year allowed by this subsection.

(3) Source P106 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing

**SECTION D. Source Level Requirements**

provided in Subsection (2) of this condition.

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

The permittee shall maintain accurate and comprehensive records of the number of hours Source P106 is operated each month. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P106 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep monthly records of the hours of operation of Source P106 that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit annual reports of the number of hours Source P106 operated each month during the respective 12 month period to verify compliance with the operation limitation specified herein. The annual reports shall be submitted to the Department by no later than March 1 for January 1 through December 31 of the previous calendar year.

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

The submission of annual or semi-annual reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be

**SECTION D. Source Level Requirements**

made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

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and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

The permittee shall report each instance in which Source P106 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P106 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P106 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650(d).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.93]

Source P106 shall be maintained and operated in accordance with the manufacturer's specifications and good air pollution control practices.

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**SECTION D. Source Level Requirements****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following work practices for Source P106 as prescribed herein:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first.
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

At all times the permittee shall operate and maintain Source P106, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

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

The permittee shall operate and maintain Source P106 according to the manufacturer's emission-related written instructions or develop a source specific maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P106 in a manner consistent with good air pollution control practice for minimizing emissions.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6640(a).

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

Source P106 shall be equipped with a non-resettable hour meter.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize Source P106's time spent at idle during startup and minimize the source's startup time to a period needed for appropriate and safe loading of the source, not to exceed 30 minutes.

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

Source P106 is a 75 kilowatt Onan model 75 ENT L34900B emergency generator equipped with a 105 horsepower, 4-stroke, rich-burn, natural gas-fired Ford model LSG-8751-6005-A engine.

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source P106 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards

**SECTION D. Source Level Requirements**

for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

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

**SECTION D. Source Level Requirements**

Source ID: P107

Source Name: ONAN 20 KW EMERGENCY GENERATOR 2

Source Capacity/Throughput:

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

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P107 in such 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**

The permittee shall not permit the emission of sulfur oxides (SOx), expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P107 in such 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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.93]

The permittee shall use only pipeline quality natural gas as fuel for Source P107.

**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 129.93]

Source P107 shall not be operated more than 500 hours in any 12 consecutive month period.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

Any operation of Source P107, other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in Subsections (1) through (3), is prohibited.

(1) With respect to demonstrating compliance with this condition, there is no time limit on the use of Source P107 in emergency situations.

(2) The permittee may operate Source P107 for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor or the insurance company associated with the source, for a maximum of 100 hours per calendar year. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of Source P107 beyond 100 hours per calendar year. Any operation for non-emergency situations as allowed by Subsection (3) of this condition counts as part of the 100 hours per calendar year allowed by this subsection.

(3) Source P107 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing



**SECTION D. Source Level Requirements**

provided in Subsection (2) of this condition.

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

The permittee shall maintain accurate and comprehensive records of the number of hours Source P107 is operated each month. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep records of the maintenance conducted on Source P107 in order to demonstrate the source was operated and maintained according to the permittee's own maintenance plan. All records generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each maintenance action and shall be made available to the Department upon request.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep monthly records of the hours of operation of Source P107 that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit annual reports of the number of hours Source P107 operated each month during the respective 12 month period to verify compliance with the operation limitation specified herein. The annual reports shall be submitted to the Department by no later than March 1 for January 1 through December 31 of the previous calendar year.

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

The submission of annual or semi-annual reports required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be

**SECTION D. Source Level Requirements**

made to both the Department of Environmental Protection and electronically to the Environmental Protection Agency. The electronic reports must be submitted using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the EPA e-mail address and Administrator postal address listed below.

The submission of all other requests, applications submittals and other communications required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580 through 63.6675, or required by any other applicable section specified in the National Emission Standards for Hazardous Air Pollutants, must be made to both the Department of Environmental Protection and the Environmental Protection Agency. The copies may be sent to:

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

and

Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

The permittee shall report each instance in which Source P107 was not operated or maintained according to the manufacturer's emission-related written instructions or the source specific maintenance plan developed for the source which provides to the extent practicable for the maintenance and operation of Source P107 in a manner consistent with good air pollution control practice for minimizing emissions. These instances are deviations from the emission and operating limitations in Subpart ZZZZ. The report submitted for these deviations shall contain the following information:

- (1) Company name and address.
- (2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
- (3) Date of report.
- (4) The total operating time of Source P107 at which the deviation occurred.
- (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

All reports generated pursuant to this condition shall be retained for a minimum of five (5) years following the date of each reportable instance and shall be made available to the Department upon request.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6650(d).

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.93]

Source P107 shall be maintained and operated in accordance with the manufacturer's specifications and good air pollution control practices.

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**SECTION D. Source Level Requirements****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following work practices for Source P107 as prescribed herein:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first.
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

At all times the permittee shall operate and maintain Source P107, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

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

The permittee shall operate and maintain Source P107 according to the manufacturer's emission-related written instructions or develop a source specific maintenance plan which must provide to the extent practicable for the maintenance and operation of Source P107 in a manner consistent with good air pollution control practice for minimizing emissions.

Compliance with this condition also ensures compliance with 40 CFR Section 63.6640(a).

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

Source P107 shall be equipped with a non-resettable hour meter.

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize Source P107's time spent at idle during startup and minimize the source's startup time to a period needed for appropriate and safe loading of the source, not to exceed 30 minutes.

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

Source P107 is a 20 kilowatt Onan model 20 E/S emergency generator equipped with a 53 horsepower, 4-stroke, rich-burn, natural gas-fired Ford model LRG-4231-6005-A engine.

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source P107 shall comply with all applicable requirements specified in Subpart ZZZZ of the National Emission Standards

**SECTION D. Source Level Requirements**

for Hazardous Air Pollutants, 40 CFR 63.6580 through 63.6675.

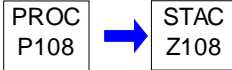
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P108

Source Name: 4 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(s) containing volatile organic compounds with a vapor pressure greater than 1.5 psi (10.5 kilopascals) under actual storage conditions in the 3,000 gallon storage tank incorporated in Source P108.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 129.57.

**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.**

The permittee shall maintain accurate and comprehensive monthly records of the following for Source P108:

- (1) The type of material(s) stored in the aboveground 3,000 gallon storage tank incorporated in Source P108.
- (2) The true vapor pressure of each material stored in the aboveground 3,000 gallon storage tank incorporated in Source P108.

All records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

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

The permittee shall maintain accurate and comprehensive records of the amount of fugitive volatile organic compounds and fugitive volatile hazardous air pollutants emitted from Source P108 during each 12 consecutive month period. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. These records shall include all background information and calculations used in the derivation of the reported values.

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

The records generated during each calendar year pursuant to Condition #002 herein shall be submitted to the Department by March 1 of the following calendar year.

**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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P108 is comprised of the following storage tanks:

- (1) One (1) aboveground 1,000 gallon gasoline storage tank
- (2) One (1) aboveground 3,000 gallon engine oil storage tank
- (3) Two (2) aboveground 500 gallon waste oil tanks

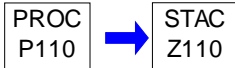
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P110

Source Name: 2 SUMPS 1000 GAL EACH DEMINIMUS WATER

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall maintain accurate and comprehensive records of the amount of fugitive volatile organic compounds and fugitive volatile hazardous air pollutants emitted from Source P110 during each 12 consecutive month period. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. These records shall include all background information and calculations used in the derivation of the reported values.

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

The records generated during each calendar year pursuant to Condition #001 herein shall be submitted to the Department by March 1 of the following calendar year.

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P110 is comprised of two (2) deminimus water sump tanks with a rated capacity of 1,000 gallons each.

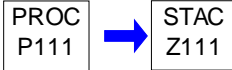
\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P111

Source Name: PIPELINE VALVES &amp; FLANGES

Source Capacity/Throughput:

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

The permittee shall not permit the emission into the outdoor atmosphere of fugitive air contaminants from a source other than those for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (1) The emissions are of minor significance with respect to causing air pollution,
- (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall perform monthly Audio, Visual and Olfactory (AVO) inspections of the facility to determine the presence of fugitive volatile organic compound/volatile hazardous air pollutant emissions from Source P111 and shall take corrective action, as necessary, to eliminate any fugitive emissions detected during these inspections.

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

The permittee shall maintain an accurate and comprehensive logbook of the following:

- (1) The amount of fugitive volatile organic compounds and fugitive volatile hazardous air pollutants emitted from Source P111 during each 12 consecutive month period.
- (2) AVO inspection reports, which shall include the following information:
  - (a) Date of each inspection
  - (b) Initials or name(s) of the person(s) conducting each inspection
  - (c) Date each leak is detected
  - (d) Specific location of the leak
  - (e) Repair performed to eliminate the leak
  - (f) Date the leak is repaired,
  - (g) Action/inspection taken to determine that the leak is repaired
  - (h) Initials or name(s) of the person(s) repairing the leak

The logbook generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. These records shall include all background information and calculations used in the derivation of reported values.



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

The records generated during each calendar year pursuant to Condition #003 herein shall be submitted to the Department by March 1 of the following calendar year.

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P111 consists of any component that has the potential to emit fugitive emissions of volatile organic compounds or hazardous air pollutants, but not limited to valves, connectors, pressure relief devices, open-ended lines, flanges, 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.

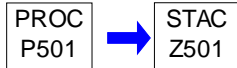
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P501

Source Name: PNEUMATIC DEVICES

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall maintain accurate and comprehensive records of the amount of fugitive volatile organic compounds and fugitive volatile hazardous air pollutants emitted from Source 501 during each 12 consecutive month period. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. These records shall include all background information and calculations used in the derivation of the reported values.

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

The records generated during each calendar year pursuant to Condition #001 herein shall be submitted to the Department by March 1 of the following calendar year.

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source 501 consists of all bleed-type pneumatic (gas actuated) controllers located at this facility.

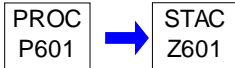
\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P601

Source Name: VENTING/BLOWDOWN OPERATIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall maintain accurate and comprehensive records of the amount of fugitive volatile organic compounds and fugitive volatile hazardous air pollutants emitted from venting and blowdowns during each 12 consecutive month period. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. These records shall include all background information and calculations used in the derivation of the reported values.

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

The records generated during each calendar year pursuant to Condition #001 herein shall be submitted to the Department by March 1 of the following calendar year.

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

The permittee shall employ good operational practices for each planned venting and blowdown event to minimize the amount of fugitive emissions.

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

Source 601 consists of all planned venting and blowdown events at this facility, whether from an individual component, or source, or a facility-wide event.

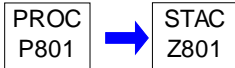
\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P801

Source Name: PIGGING OPERATIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall maintain accurate and comprehensive records of the amount of fugitive volatile organic compounds and fugitive volatile hazardous air pollutants emitted from pigging operations during each 12 consecutive month period. All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request. These records shall include all background information and calculations used in the derivation of the reported values.

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

The records generated during each calendar year pursuant to Condition #001 herein shall be submitted to the Department by March 1 of the following calendar year.

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

The permittee shall employ good operational practices for each pigging event to minimize the amount of fugitive emissions.

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

Source 801 is comprised of a pig launcher.

**\*\*\* 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 are considered to be insignificant in regards to air contaminant emissions and have been determined by the Department to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulations and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-143:

- (1) Dixie gas dryer
- (2) Maytag gas dryer
- (3) Kenmore gas stove (20,000 Btu per hour)
- (4) White Westinghouse gas stove (450,000 Btu per hour)

As per a request made by National Fuel Gas Supply Corporation, the Department recognizes Jeffery J. Kittka, Vice President, to be a certified "alternate" responsible official charged with authenticating official documents submitted to the Department on behalf of National Fuel Gas Supply Corporation's East Fork Compressor Station.





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

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