



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date: January 21, 2021

Effective Date: January 21, 2021

Expiration Date: January 20, 2026

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: 53-00007**

Federal Tax Id - Plant Code: 55-0629203-57

**Owner Information**

Name: EASTERN GAS TRANS & STORAGE INC  
Mailing Address: 6603 WEST BROAD STREET  
RICHMOND, VA 23230

**Plant Information**

Plant: EASTERN GAS TRANS & STORAGE INC/STATE LINE STA  
Location: 53 Potter County 53909 Genesee Township  
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

**Responsible Official**

Name: JOHN M. LAMB  
Title: VP EASTERN PIPELINE OPR  
Phone: (804) 273 - 4327

**Permit Contact Person**

Name: GLENN S. BOUTILLIER  
Title: ENVRNMNTL SPCST III  
Phone: (804) 356 - 1364

[Signature] \_\_\_\_\_

*MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION*



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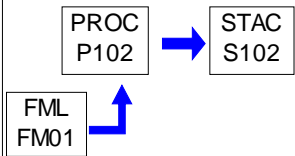
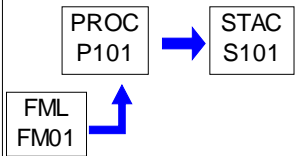
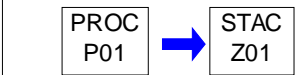
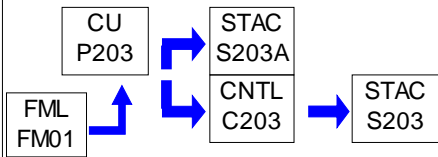
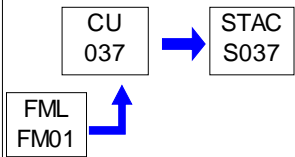
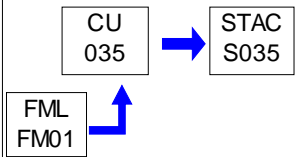
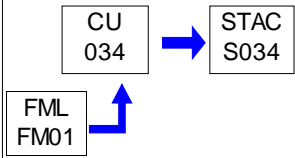
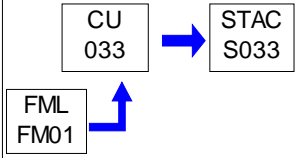
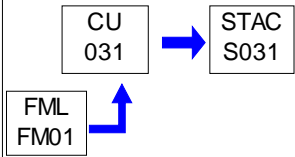
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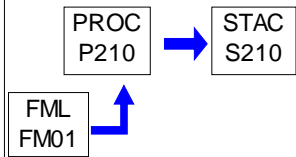
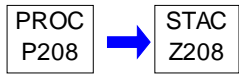
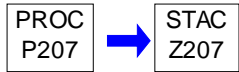
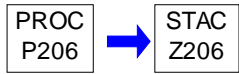
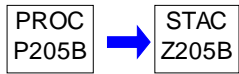
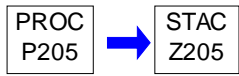
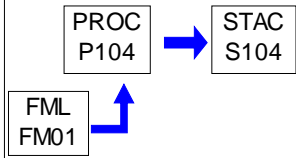
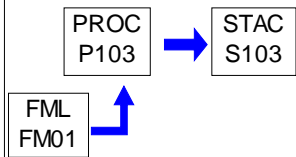
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	NATCO HEATER N12C46901	7.000 MMBTU/HR	
033	C B BOILER 1	4.180 MMBTU/HR	
034	1 SPACE HTR <1.0 MMBTU/HR		
035	1 WATER HEATER <1.0 MMBTU		
037	NATCO HEATER .75MMBTU/HR		
P203	GLYCOL DEHY .125 MMBTU/HR		
P01	FACILITY FUGITIVES		
P101	1100HP DR ENG 1 KVG		
P102	1100HP DR ENG 2 104KVG		
P103	1100HP DR ENG 3 104KVG		
P104	1350HP COOPER ENG 4 GMVH6C2		
P205	STORAGE TANK		
P205B	STORAGE TANKS		
P206	STORAGE TANKS		
P207	4 ENG/COMPRESS TRANS VENTS		
P208	EMER NAT GAS BLOWDOWN		
P209	VENTS-FUEL GAS, CRANKCASE, TURBINE, ETC		
P210	398 BHP CATERPILLAR DG275 GC GAS EMERGENCY GENERATOR		
C203	FLARE		
FM01	NATURAL GAS PIPELINE		
S031	HEATER 1 STACK		
S033	BOILER 1 STACK		
S034	SPACE HEATER STACK		
S035	HOT WATER HEATERS STACK		
S037	.75 MMBTU/HR HEATER STACK		
S101	ENGINE 1 STACK		
S102	ENGINE 2 STACK		
S103	ENGINE 3 STACK		
S104	ENGINE 4 STACK		
S203	FLARE STACK		
S203A	REBOILER STACK		
S210	STACK		
Z01	FACILITY FUGITIVES		
Z205	STORAGE TANK EMISSIONS		
Z205B	OIL STORAGE TANK EMISSIONS		
Z206	GLYCOL TANK EMISSIONS		
Z207	TRANSITION VENTS		
Z208	BLOWDOWN EMISSIONS		
Z209	VENTS		



PERMIT MAPS



**PERMIT MAPS**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

the Department.

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<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 §§ 127.511 & Chapter 135]****Recordkeeping Requirements**

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001(1)-(8) above, if the emissions are visible at the point the emissions pass outside the person'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 25 Pa. Code Section 123.1(a)(1)-(9).

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

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



## SECTION C. Site Level Requirements

The potential to emit volatile organic compounds from the following combustion source category shall not exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period. Should any of these limitations ever be exceeded for any of the source categories listed, a detailed RACT analysis which meets the criteria specified in Section 129.92 must be submitted to the Department for the source category. The combustion source category consists of the following units:

- (a) The Natco 5GR-250SX3/G.125 million BTU/hour dehydration glycol recovery system boiler (Source ID P203),
- (b) The Natco 36 inch OD X 12 foot .75 MMBtu/hr heater (Source ID 037),
- (c) The Cleaver Brooks CB-700-100 4.18 million BTU/hour boiler (Source ID 033),
- (d) The Natco N12C46901 7.0 million BTU/hour heater (Source ID 031),
- (e) The hot water heater (Source ID 035)
- (f) The space heater (Source ID 034).

## II. TESTING REQUIREMENTS.

### # 006 [25 Pa. Code §127.441]

#### **Operating permit terms and conditions.**

- (a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy and one hard copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one hard copy and one electronic copy shall be sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.
- (d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
  - 1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
  - 2. Permit number(s) and condition(s) which are the basis for the evaluation.
  - 3. Summary of results with respect to each applicable permit condition.
  - 4. Statement of compliance or non-compliance with each applicable permit condition.
- (e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the

**SECTION C. Site Level Requirements**

Department of Environmental Protection.

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

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

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

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

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

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

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

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

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

Visible emissions may be measured using either of the following:

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

**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, visible fugitive emissions and malodorous air emissions. Weekly inspections are necessary to determine:

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

**IV. RECORDKEEPING 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 127.511]

(a) The permittee shall keep a comprehensive and accurate logbook, or uneditable electronic record, of the weekly facility inspections performed. The logbook, or uneditable electronic record, shall include records of instances of visible emissions, visible fugitive emissions and malodorous air emissions, the name of the company representative monitoring these instances, the date and time of each occurrence, and the wind direction during each instance.

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

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

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

(a) The permittee shall keep comprehensive and accurate records of supporting calculations which verify compliance with the volatile organic compound emission limitations from the combustion source category that consists of:

- (1) Natco dehydration glycol recovery system boiler (Source ID P203),
- (2) The Natco 36 inch OD X 12 foot .75 MMBtu/hr heater (Source ID 037),
- (3) The Cleaver Brooks CB-700-100 4.18 million BTU/hour boiler (Source ID 033),
- (4) The Natco N12C46901 7.0 million BTU/hour heater (Source ID 031),
- (5) The hot water heater (Source ID 035)
- (6) The space heater (Source ID 034).

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

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

The permittee shall keep comprehensive and accurate records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95 which at a minimum shall include the total combined amount of fuel used in any 12 consecutive month period in the following sources:

- (a) Natco dehydration glycol recovery system boiler (Source ID P203),

**SECTION C. Site Level Requirements**

- (b) The Natco 36 inch OD X 12 foot .75 MMBtu/hr heater (Source ID 037),
- (c) The Cleaver Brooks CB-700-100 4.18 million BTU/hour boiler (Source ID 033),
- (d) The Natco N12C46901 7.0 million BTU/hour heater (Source ID 031),
- (e) The hot water heater (Source ID 035)
- (f) The space heater (Source ID 034).

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

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

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

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

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Section B, General Title V Requirements, no later than September 1 (from July 1 of the previous year through June 30 of the current year). The following email address shall be used to submit the compliance certifications to the EPA Region III:

R3\_APD\_Permits@epa.gov

(b) The permittee shall submit the semiannual reports of required monitoring to the Department, as specified in Section B, General Title V Requirements, no later than September 1 (for January 1 through June 30) and March 1 (for July 1 through December 31 of the previous year).

**# 016 [25 Pa. Code §127.442]****Reporting requirements.**

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

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

(c) The report shall describe the following:

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

**SECTION C. Site Level Requirements**

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

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

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

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

**# 017 [25 Pa. Code §135.21]****Emission statements**

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

(b) The annual Air Information Management System (AIMS) emission report is 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 permittee shall provide data consistent with requirements and guidance developed by the EPA.

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

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

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

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

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

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

(c) A source owner may request an extension of time from the Department for the filing of an annual Air Information Management System (AIMS) emission report, and the Department may grant the extension for reasonable cause.

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

The permittee shall take all reasonable actions for any source specified in 25 Pa. Code Section 123.1(a)(1)-(7) or (a)(9) to prevent particulate matter from becoming airborne. These actions shall include, but not limited to, the following:

**SECTION C. Site Level Requirements**

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

(2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

(4) Removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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

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

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

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

**# 022 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not permit the open burning of material at the 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.

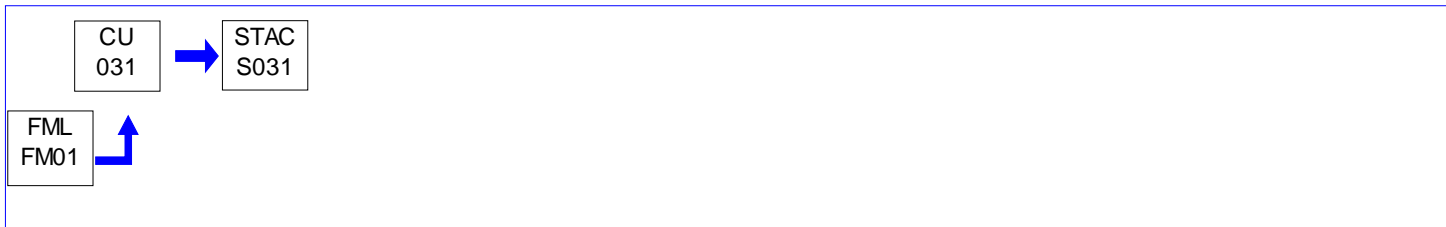
**\*\*\* Permit Shield In Effect \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: NATCO HEATER N12C46901

Source Capacity/Throughput: 7.000 MMBTU/HR

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

Source ID 031 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

**# 002 [25 Pa. Code §123.22]****Combustion units**The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from Source ID 031 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.**Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

Source ID 031 shall only be fired on pipeline quality natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)(1), (2), and (i)]

The permittee shall keep records to demonstrate compliance with §§ 129.96—129.97 in the following manner:

- (1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.97 are met.
- (2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a



**SECTION D. Source Level Requirements**

written request from the Department.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [25 Pa. Code §129.93]**

**Presumptive RACT emission limitations**

Source ID 031 shall be maintained and operated in accordance with manufacturer's specifications and good air pollution control practices.

**# 006 [25 Pa. Code §129.97]**

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

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

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID 031 is a 1993 vintage, Natco, 7.0 MMBtu/hour, natural gas fired heater (#1).

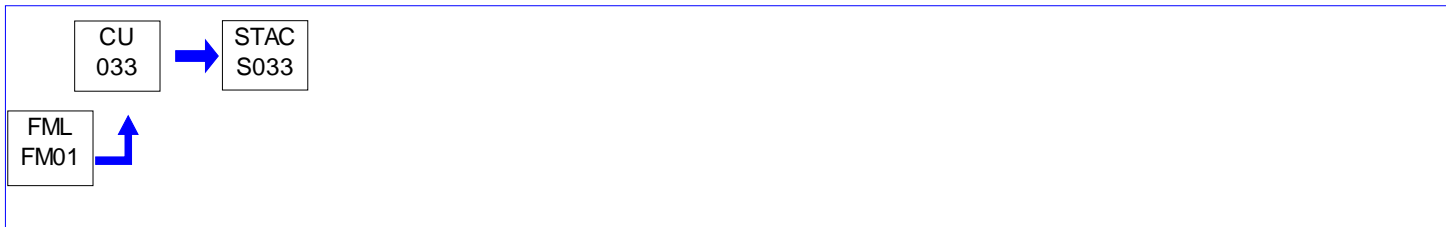
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 033

Source Name: C B BOILER 1

Source Capacity/Throughput: 4.180 MMBTU/HR

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

Source ID 033 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

**# 002 [25 Pa. Code §123.22]****Combustion units**The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from Source ID 033 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.**Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

Source ID 033 shall only be fired on pipeline quality natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)(1), (2), and (i)]

The permittee shall keep records to demonstrate compliance with §§ 129.96—129.97 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.97 are met.

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

**SECTION D. Source Level Requirements**

The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a written request from the Department.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [25 Pa. Code §129.93]**

**Presumptive RACT emission limitations**

Source ID 033 shall be maintained and operated in accordance with the manufacturer's specifications and good air pollution control practices.

**# 006 [25 Pa. Code §129.97]**

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

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

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID 033 is a 1989 vintage, Cleaver Brooks, 4.18 MMBtu/hour, natural gas fired boiler.

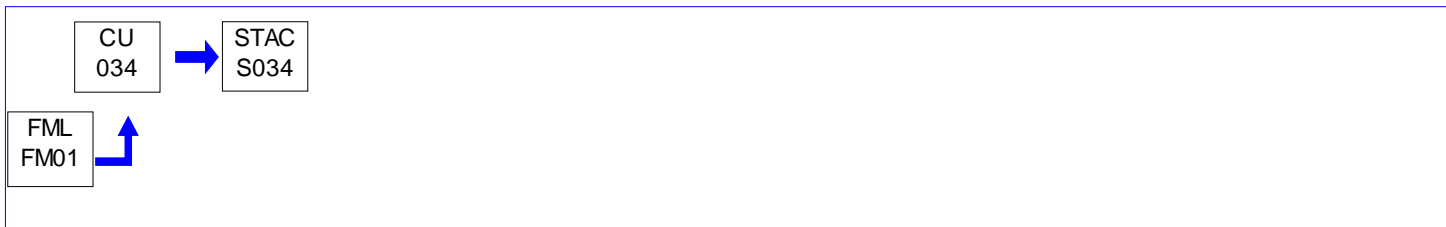
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: 1 SPACE HTR &lt;1.0 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, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from each space heater incorporated in Source ID 034 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 034 shall only be fired on pipeline quality natural gas.

**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 §129.93]

**Presumptive RACT emission limitations**

Source ID 034 shall be maintained and operated in accordance with 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 ID 034 consists of one Reznor model XL105-3 space heater with a rating that is less than 1 MMBtu/hour.

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

**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: 1 WATER HEATER &lt;1.0 MMBTU

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, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from each heater incorporated in Source ID 035 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 035 shall only be fired on pipeline quality natural gas.

**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 §129.93]

**Presumptive RACT emission limitations**

Source ID 035 shall be maintained and operated in accordance with 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 ID 035 consists of a 0.04 MMBtu/hr natural gas fired AO Smith water heater.

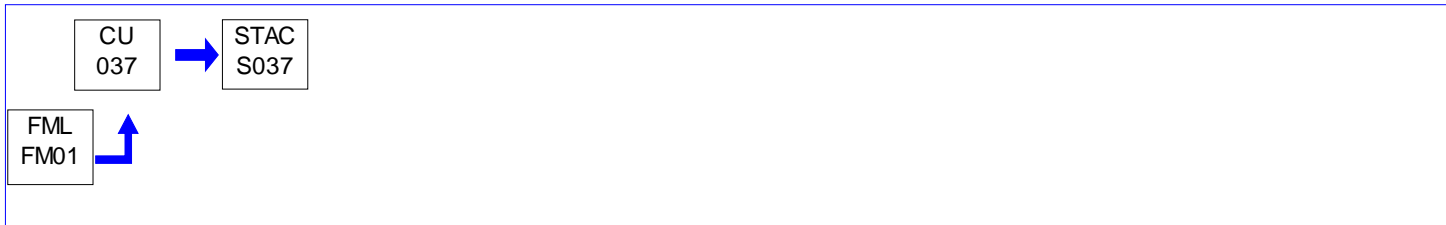
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: NATCO HEATER .75MMBTU/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, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from Source ID 037 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

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

The nitrogen oxide emissions from the subject source shall not exceed 0.15 pounds per hour.

**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 127.1]

Source ID 037 shall only be fired on pipeline quality natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall keep comprehensive and accurate records which verify compliance with the nitrogen oxide emission limitation for Source ID 037. 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.



**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [25 Pa. Code §129.93]**

**Presumptive RACT emission limitations**

Source ID 037 shall be maintained and operated in accordance with manufacturer's specifications and in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID 037 is a 0.75 MMBtu/hour Natco natural gas fired heater.

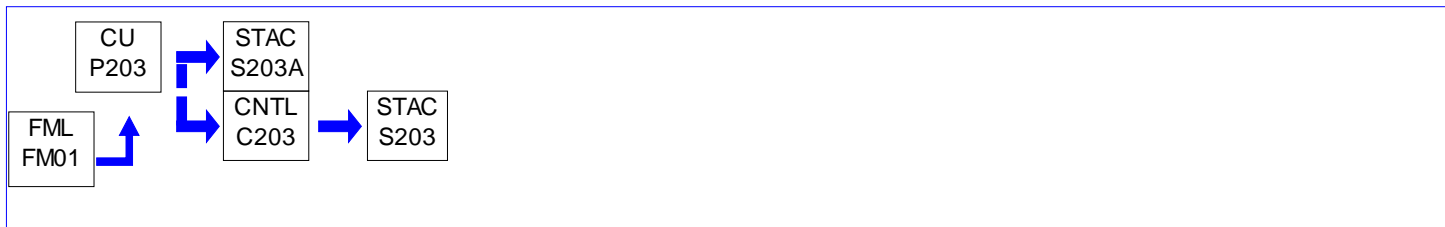
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P203

Source Name: GLYCOL DEHY .125 MMBTU/HR

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

The concentration of particulate matter in the exhaust of Source ID P203 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

# 002 [25 Pa. Code §123.21]

**General**

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust from Source ID P203 shall not exceed 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 127.1]

The nitrogen oxide emissions from the subject source shall not exceed 0.02 pounds per hour.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P203 shall only be fired on pipeline quality natural gas.

**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.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

The permittee shall keep comprehensive and accurate records of calculations to verify compliance with the SO<sub>2</sub>, NO<sub>x</sub> and particulate emission limitations from the subject source. All records generated pursuant to this condition shall be retained for a minimum of five years made available to the Department upon request.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 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 127.1]

The gas dehydration glycol recovery system shall incorporate a charcoal filter for the removal of hydrocarbons from the glycol stream exiting the glycol skimmer/flash vessel.

**# 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 and 127.1]

The vapor outlet of the reflux column associated with the subject source shall be vented to the exhaust stack and shall be equipped with a flare (oxidizer) designed as described in the supplemental materials submitted to the Department on March 3, 1989.

**# 008 [25 Pa. Code §129.93]**

**Presumptive RACT emission limitations**

Source ID P203 shall be maintained and operated in accordance with manufacturer's specifications and good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P203 is a process gas dehydrator. It consists of a 1989 vintage, model 5GR-250SX31G, Natco, Triethylene Glycol (TEG) still and .125 MMBtu/hr. model TEG 5GR-250SX3 NATCO gas dehydration reboiler. The air contaminant emissions from the still are controlled with a flare.

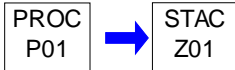
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P01

Source Name: FACILITY FUGITIVES

Source Capacity/Throughput:

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

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

The combined volatile organic compound emissions from all fugitive emissions sources at this facility shall not exceed 2.9 tons in any 12 consecutive month period.

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

[Additional authority for this permit condition is also derived from the permittee electing these restrictions to comply with 25 Pa. Code §123.1]

(a) The total volatile organic compounds emissions from this source shall not equal or exceed 2.7 tons in any 12 consecutive month period.

(b) The total hazardous air pollutants emissions from this source shall not equal or exceed 1.0 tons in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

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

[Compliance with this condition ensures compliance with 25 Pa. Code §123.1]

(a) Any leak detected during the monthly AVO inspection shall be repaired within 15 calendar days of detection unless:

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

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

(b) The permittee shall request and receive approval from the Department allowing an extension of the deadline for repairs.

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

[Compliance with this condition ensures compliance with 25 Pa. Code §123.1]

The permittee shall perform monthly audio, visual, and olfactory (AVO) inspections to ensure the fugitive air contaminant emissions are minimized.

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

(a) The permittee shall keep comprehensive and accurate records of the volatile organic compound and hazardous air pollutant emissions on a monthly basis to demonstrate compliance with the emission limitations. These records shall include all background information and calculations used in the derivation of the reported values.

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

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

(a) The permittee shall keep a logbook, or uneditable electronic record, of the following for the AVO inspections:

- (1) the date of each inspection,
- (2) initials or name(s) of the person(s) conducting each inspection,
- (3) the date each leak is detected,
- (4) the specific location of the leak,
- (5) the repair performed to eliminate the leak,
- (6) the date the leak is repaired,
- (7) the action/inspection taken to determine that the leak is repaired,
- (8) the initials or name(s) of the person(s) repairing the leak,
- (9) the identity of the equipment used during the inspection,
- (10) the date the part necessary to repair each leak was ordered, and
- (11) the date the part necessary to repair each leak was received.

(b) The logbook, or uneditable electronic record, shall be kept for 5 years and made available to the Department upon request.

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

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

(a) The permittee shall submit records of the calculations semi-annually to the Department which verify compliance with the volatile organic compound emission limitations for Source ID P01.

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

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

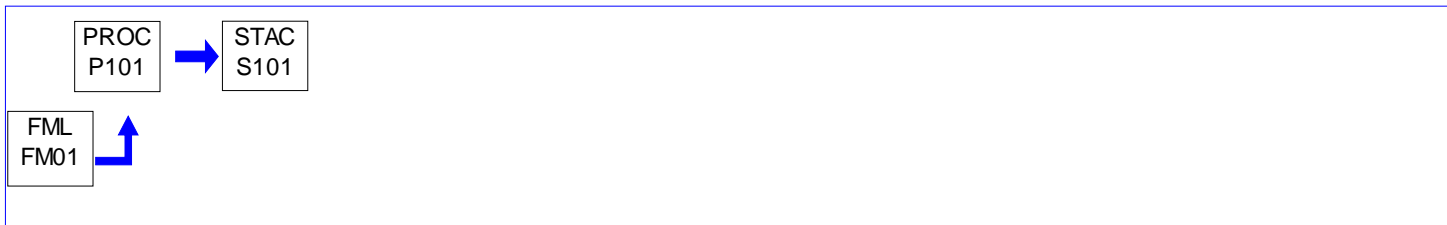
Source ID P01 consists of any component that has potential fugitive emissions of methane, volatile organic compounds, or hazardous air pollutants, but not limited to valves, connectors, pressure relief device, open-ended lines, flanges, compressors, instruments, meters, covers, closed vent systems, storage vessels/storage tanks, and compressor seals.

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

**SECTION D. Source Level Requirements**

Source ID: P101 Source Name: 1100HP DR ENG 1 KVG

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MACT  
P101-103**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

The concentration of particulate matter in the exhaust of Source ID P101 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust from Source ID P101 shall not exceed 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 Sections 127.511 and 127.1]

- (a) The nitrogen oxides emissions from this engine shall not exceed 7.27 pounds per hour,
- (b) The carbon monoxide emissions from this engine shall not exceed 7.27 pounds per hour,
- (c) The nonmethane hydrocarbon emissions from this engine shall not exceed 7.27 pounds per hour.

**Fuel 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 Sections 129.91 and 127.1]

Source ID P101 shall only be fired on pipeline quality natural gas.

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

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

This engine shall be stack tested during the period between February 1, 2021 and September 30, 2021, for: nitrogen oxides (expressed as NO<sub>2</sub>), carbon monoxide, nonmethane hydrocarbons and volatile organic compounds using reference method test procedures acceptable to the Department.

The test shall consist of at least three individual test runs upon the exhaust of the engine. All testing is to be performed while the engines are operating at full load and full speed.

**SECTION D. Source Level 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 and 127.511]

- (a) The permittee shall perform annual nitrogen oxides (NOX) and carbon monoxide (CO) tests upon the subject source using a portable exhaust gas analyzer which has been approved by the Department.
- (b) The reference method testing may be substituted for the portable analyzer testing required above on a one for one basis (one occurrence of reference method testing may be substituted for one of the once-per-year occurrences of portable analyzer testing).

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 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 127.511]

- (a) The permittee shall keep comprehensive and accurate records of the following for this engine:

- (1) Stack test reports
- (2) Portable analyzer test reports.
- (3) The number of hours operated per month.
- (4) The amount of fuel consumed per month.
- (5) The gas quality characteristics in a current, valid purchase contract, tariff sheet, transportation contract for the fuel or other data compiled by the gas pipeline company, specifying the maximum total sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas.

OR

- (6) Representative fuel sampling data showing the sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas and shall include the following:

- (i) The date, place, and time of sampling;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used;
- (v) The results of such analyses; and,
- (vi) The operating conditions at the time of sampling or measurement.

- (7) The supporting calculations used to verify compliance with the emission limitations of carbon monoxide, sulfur oxide, particulate matter, volatile organic compound, nonmethane hydrocarbon, and nitrogen oxides from the subject source.

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



**SECTION D. Source Level 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 Sections 129.95 and 127.511.]

(a) The permittee shall keep comprehensive and accurate records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95, which at a minimum shall include:

- (1) the amount of fuel used per 12 consecutive month period in the subject source.
- (2) the number of hours per 12 consecutive month period that the subject source is operated.

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

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

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

Portable analyzer test reports for nitrogen oxides and carbon monoxide emissions and supporting calculations used to verify compliance with the nitrogen oxides, nonmethane hydrocarbons, volatile organic compounds and carbon monoxide emission limitations for this engine shall be submitted to the Department within 60 days of the portable analyzer tests.

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID P101 is a 1989 vintage, model KVG, Dresser Rand, 1100 horsepower, 2.8 MMBtu/hour, natural gas, prestratified charge, gas transmission engine (Engine #1).

**# 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 12.511]

If requested by the Department, the permittee shall additionally implement a program to monitor, record and report pertinent operating parameters for the subject engine.

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

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: 1100HP DR ENG 2 104KVG

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MACT  
P101-103

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

The concentration of particulate matter in the exhaust of Source ID P102 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust from Source ID P102 shall not exceed 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 Sections 127.511 and 127.1]

- (a) The nitrogen oxides emissions from this engine shall not exceed 7.27 pounds per hour,
- (b) The carbon monoxide emissions from this engine shall not exceed 7.27 pounds per hour,
- (c) The nonmethane hydrocarbon emissions from this engine shall not exceed 7.27 pounds per hour.

**Fuel 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 Sections 129.91 and 127.1]

Source ID P102 shall only be fired on pipeline quality natural gas.

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

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

This engine shall be stack tested during the period between February 1, 2021 and September 30, 2021, for: nitrogen oxides (expressed as NO<sub>2</sub>), carbon monoxide, nonmethane hydrocarbons and volatile organic compounds using reference method test procedures acceptable to the Department.

The test shall consist of at least three individual test runs upon the exhaust of the engine. All testing is to be performed while the engines are operating at full load and full speed.

**SECTION D. Source Level 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 and 127.511]

- (a) The permittee shall perform annual nitrogen oxides (NOX) and carbon monoxide (CO) tests upon the subject source using a portable exhaust gas analyzer which has been approved by the Department.
- (b) The reference method testing may be substituted for the portable analyzer testing required above on a one for one basis (one occurrence of reference method testing may be substituted for one of the once-per-year occurrences of portable analyzer testing).

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 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 127.511]

- (a) The permittee shall keep comprehensive and accurate records of the following for this engine:

- (1) Stack test reports
- (2) Portable analyzer test reports.
- (3) The number of hours operated per month.
- (4) The amount of fuel consumed per month.
- (5) The gas quality characteristics in a current, valid purchase contract, tariff sheet, transportation contract for the fuel or other data compiled by the gas pipeline company, specifying the maximum total sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas.

OR

- (6) Representative fuel sampling data showing the sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas and shall include the following:

- (i) The date, place, and time of sampling;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used;
- (v) The results of such analyses; and,
- (vi) The operating conditions at the time of sampling or measurement.

- (7) The supporting calculations used to verify compliance with the emission limitations of carbon monoxide, sulfur oxide, particulate matter, volatile organic compound, nonmethane hydrocarbon, and nitrogen oxides from the subject source.

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

**SECTION D. Source Level 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 Sections 129.95 and 127.511.]

(a) The permittee shall keep comprehensive and accurate records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95, which at a minimum shall include:

- (1) the amount of fuel used per 12 consecutive month period in the subject source.
- (2) the number of hours per 12 consecutive month period that the subject source is operated.

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

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

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

Portable analyzer test reports for nitrogen oxides and carbon monoxide emissions and supporting calculations used to verify compliance with the nitrogen oxides, nonmethane hydrocarbons, volatile organic compounds and carbon monoxide emission limitations for this engine shall be submitted to the Department within 60 days of the portable analyzer tests.

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID P102 is a 1991 vintage, model 104KVG, Dresser Rand, 1100 horsepower, 2.8 MMBtu/hour, natural gas, prestratified charge, gas transmission engine (Engine #2).

**# 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 12.511]

If requested by the Department, the permittee shall additionally implement a program to monitor, record and report pertinent operating parameters for the subject engine.

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

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: 1100HP DR ENG 3 104KVG

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MACT  
P101-103

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

The concentration of particulate matter in the exhaust of Source ID P103 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust from Source ID P103 shall not exceed 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 Sections 127.511 and 127.1]

- (a) The nitrogen oxides emissions from this engine shall not exceed 7.27 pounds per hour,
- (b) The carbon monoxide emissions from this engine shall not exceed 7.27 pounds per hour,
- (c) The nonmethane hydrocarbon emissions from this engine shall not exceed 7.27 pounds per hour.

**Fuel 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 Sections 129.91 and 127.1]

Source ID P103 shall only be fired on pipeline quality natural gas.

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

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

- (a) The permittee shall perform annual nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) tests upon the subject source using a portable exhaust gas analyzer which has been approved by the Department.
- (b) The reference method testing may be substituted for the portable analyzer testing required above on a one for one basis (one occurrence of reference method testing may be substituted for one of the once-per-year occurrences of portable

**SECTION D. Source Level Requirements**

analyzer testing).

**# 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 127.511 and 129.91]

This engine shall be stack tested during the period between February 1, 2021 and September 30, 2021, for: nitrogen oxides (expressed as NO<sub>2</sub>), carbon monoxide, nonmethane hydrocarbons and volatile organic compounds using reference method test procedures acceptable to the Department.

The test shall consist of at least three individual test runs upon the exhaust of the engine. All testing is to be performed while the engines are operating at full load and full speed.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 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 127.511]

(a) The permittee shall keep comprehensive and accurate records of the following for this engine:

- (1) Stack test reports
- (2) Portable analyzer test reports.
- (3) The number of hours operated per month.
- (4) The amount of fuel consumed per month.
- (5) The gas quality characteristics in a current, valid purchase contract, tariff sheet, transportation contract for the fuel or other data compiled by the gas pipeline company, specifying the maximum total sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas.

OR

(6) Representative fuel sampling data showing the sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas and shall include the following:

- (i) The date, place, and time of sampling;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used;
- (v) The results of such analyses; and,
- (vi) The operating conditions at the time of sampling or measurement.

(7) The supporting calculations used to verify compliance with the emission limitations of carbon monoxide, sulfur oxide, particulate matter, volatile organic compound, nonmethane hydrocarbon, and nitrogen oxides from the subject source.

**SECTION D. Source Level Requirements**

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

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

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

(a) The permittee shall keep comprehensive and accurate records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95, which at a minimum shall include:

- (1) the amount of fuel used per 12 consecutive month period in the subject source.
- (2) the number of hours per 12 consecutive month period that the subject source is operated.

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

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

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

Portable analyzer test reports for nitrogen oxides and carbon monoxide emissions and supporting calculations used to verify compliance with the nitrogen oxides, nonmethane hydrocarbons, volatile organic compounds and carbon monoxide emission limitations for this engine shall be submitted to the Department within 60 days of the portable analyzer tests.

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 12.511]

If requested by the Department, the permittee shall additionally implement a program to monitor, record and report pertinent operating parameters for the subject engine.

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

Source ID P103 is a 1991 vintage, model 104KVG, Dresser Rand, 1100 horsepower, 2.8 MMBtu/hour, natural gas, prestratified charge, gas transmission engine (Engine #3).

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

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: 1350HP COOPER ENG 4 GMVH6C2

Source Capacity/Throughput:

Conditions for this source occur in the following groups: MACT

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

The concentration of particulate matter in the exhaust of Source ID P104 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust from Source ID P104 shall not exceed 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 Sections 129.91 and 127.1]

(a) The nitrogen oxides emissions from this engine shall not exceed 7.44 pounds per hour,

(b) The carbon monoxide emissions from this engine shall not exceed 5.95 pounds per hour,

(c) The nonmethane hydrocarbon emissions from this engine shall not exceed 1.49 pounds per hour.

**# 004 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(g)(3)(i)(B)]

The potential to emit volatile organic compounds (excluding formaldehyde) shall not exceed 1.0 gram per brake horsepower-hour.

**# 005 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.97(g)(3)(i)(A)]

The potential to emit nitrogen oxides shall not exceed 3.0 grams per brake horsepower-hour.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.91 and 127.1]

Source ID P104 shall only be fired on pipeline quality natural gas.



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

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

This engine shall be stack tested during the period between February 1, 2021 and September 30, 2021, for: nitrogen oxides (expressed as NO<sub>2</sub>), carbon monoxide, nonmethane hydrocarbons and volatile organic compounds using reference method test procedures acceptable to the Department.

The test shall consist of at least three individual test runs upon the exhaust of the engine. All testing is to be performed while the engines are operating at full load and full speed.

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

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

(a) The permittee shall perform annual nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) tests upon the subject source using a portable exhaust gas analyzer which has been approved by the Department.

(b) The reference method testing may be substituted for the portable analyzer testing required above on a one for one basis (one occurrence of reference method testing may be substituted for one of the once-per- year occurrences of portable analyzer testing).

**III. MONITORING REQUIREMENTS.**

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

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

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

(a) The company shall keep comprehensive and accurate records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95, which at a minimum shall include:

- (1) the amount of fuel used per 12 consecutive month period in the subject source.
- (2) the number of hours per 12 consecutive month period that the subject source is operated.

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

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

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

(a) The permittee shall keep comprehensive and accurate records of the following operating parameters for this engine:

- (1) Stack test reports
- (2) Portable analyzer test reports
- (3) The number of hours operated per month.

**SECTION D. Source Level Requirements**

(4) The amount of fuel consumed per month.

(5) The gas quality characteristics in a current, valid purchase contract, tariff sheet, transportation contract for the fuel or other data compiled by the gas pipeline company, specifying the maximum total sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas.

OR

(6) Representative fuel sampling data showing the sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas and shall include the following:

- (i) The date, place, and time of sampling;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used;
- (v) The results of such analyses; and,
- (vi) The operating conditions at the time of sampling or measurement.

(7) The supporting calculations used to verify compliance with the emission limitation of carbon monoxide, nonmethane hydrocarbon, sulfur oxides, nitrogen oxides and particulate matter for the subject source.

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

**# 011 [25 Pa. Code §129.100]**

**Compliance demonstration and recordkeeping requirements.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)(1), (2), and (i)]

The permittee shall keep records to demonstrate compliance with §§ 129.96—129.97 in the following manner:

- (1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.97 are met.
- (2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a written request from the Department.

**V. REPORTING 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 127.511]

Portable analyzer test reports for nitrogen oxides and carbon monoxide emissions and supporting calculations used to verify compliance with the nitrogen oxides, nonmethane hydrocarbons, volatile organic compounds and carbon monoxide emission limitations for this engine shall be submitted to the Department within 60 days of the portable analyzer tests.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall submit to the Department on a semi-annual basis records of the following operating parameters for this source:

**SECTION D. Source Level Requirements**

- (1) The number of hours operated per month.
- (2) The amount of fuel consumed per month.
- (3) The supporting calculations used to verify compliance with the emission limitations for this source.
- (4) Records that the engine was maintained and operated in accordance with the manufacturer's specifications and with good operating practices for the control of volatile organic compounds.

These records shall be submitted to the Department no later than September 1 (for January 1 through June 30 of the present year) and March 1 (for July 1 through December 31 of the previous year).

**VI. WORK PRACTICE REQUIREMENTS.****# 014 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(d)]

The permittee shall install, maintain, and operate this source in accordance with the manufacturer's specifications and with good operating practices for the control of volatile organic compounds emissions.

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

The permittee shall comply with the applicable workpractice requirements specified in 40 CFR Section 63.6625(e).

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

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

If requested by the Department, the company shall additionally implement a program to monitor, record and report pertinent operating parameters for the subject engine.

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

Source ID P104 is a 1992 vintage, model GMVH6C2, Cooper, 1350 horsepower, 3.44 MMBtu/hour, natural gas, lean burn, gas transmission engine (Engine #4).

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

This engine shall be equipped with the necessary instrumentation to monitor air manifold pressure, fuel manifold pressure and ignition timing. If requested to do so by the Department, the company shall implement a program to record and report these and other pertinent operating parameters for this engine.

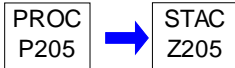
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P205

Source Name: STORAGE TANK

Source Capacity/Throughput:

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

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

The potential to emit volatile organic compounds from Source ID P205 shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period. Should any of these limitations ever be exceeded, a detailed RACT analysis which meets the criteria specified in Section 129.92 must be submitted to the Department for Source ID P205.

**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.**

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

(a) The permittee shall keep comprehensive and accurate records of the following:

(1) Supporting calculations which verify compliance with the volatile organic compound emission limitations for Source ID P205.

(2) The vapor pressure of the contents of Source ID P205.

(b) 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.

**V. REPORTING 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 127.511]

The permittee shall submit records of the calculations annually to the Department which verify compliance with the volatile organic compound emission limitations for Source ID P205. This report is due March 1 (for January 1 through December 31 of the previous year).

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

[Additional authority for this permit condition is derived from the permittee requesting this elective restriction]

The permittee shall not store any volatile organic compounds in any tank that has a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions.

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

Source ID P205 consists of the following tank:

(a) One 8,000 gallon engine oil tank (A-1).

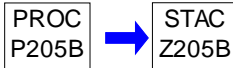
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P205B

Source Name: STORAGE TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall keep comprehensive and accurate records of the vapor pressure of the contents of Source ID P205B. All records generated pursuant to this condition shall be retained for a minimum of five years and be presented to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall not store any volatile organic compounds in any tank that has a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions.

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

Source ID P205B consists of a 3,000 gallon waste oil storage tank (E-1) and a 550 gallon lube oil storage tank (A-3).

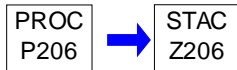
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P206

Source Name: STORAGE TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall keep comprehensive and accurate records of the vapor pressure of the contents of Source ID P206. All records generated pursuant to this condition shall be retained for a minimum of five years and be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall not store anything in Source ID P206 with a vapor pressure of greater than 1.5 psia under actual storage conditions.

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

Source ID P206 consists of the following tanks:

- (a) One 8,000 gallon ethylene glycol storage tank (B-1)
- (b) One 2,000 gallon ethylene glycol storage tank (B-2).

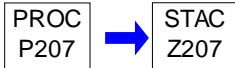
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P207

Source Name: 4 ENG/COMPRESS TRANS VENTS

Source Capacity/Throughput:

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

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

The potential to emit volatile organic compounds from Source ID P207 shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period. Should any of these limitations ever be exceeded, a detailed RACT analysis which meets the criteria specified in Section 129.92 must be submitted to the Department for Source ID P207.

**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.**

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

The permittee shall keep comprehensive and accurate records of supporting calculations which verify compliance with the volatile organic compound emission limitations for Source ID P207. All records generated pursuant to this condition shall be retained for a minimum of five years and be made available to the Department upon request.

**V. REPORTING 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 127.511]

(a) The permittee shall submit to the Department on a semi-annual basis records of the following operating parameters for this source:

(1) The supporting calculations used to verify compliance with the emission limitations for volatile organic compounds.

(2) Records that the equipment incorporated into this source was maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

(b) These records shall be submitted to the Department no later than September 1 (for January 1 through June 30 of the present year) and March 1 (for July 1 through December 31 of the previous 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.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P207 consists of the four engine/compressor transition vents.

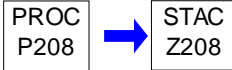
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P208

Source Name: EMER NAT GAS BLOWDOWN

Source Capacity/Throughput:

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

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

The potential to emit volatile organic compounds from Source ID P208 shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period. Should any of these limitations ever be exceeded, a detailed RACT analysis which meets the criteria specified in Section 129.92 must be submitted to the Department for Source ID P208.

**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.**

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

The permittee shall keep comprehensive and accurate records of supporting calculations which verify compliance with the volatile organic compound emission limitations for Source ID P208. All records generated pursuant to this condition shall be retained for a minimum of five years and be made available to the Department upon request.

**V. REPORTING 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 127.511]

(a) The permittee shall submit to the Department on a semi-annual basis records of the following operating parameters for this source:

(1) The supporting calculations used to verify compliance with the emission limitations for volatile organic compounds.

(2) Records that the equipment incorporated into this source was maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

(b) These records shall be submitted to the Department no later than September 1 (for January 1 through June 30 of the present year) and March 1 (for July 1 through December 31 of the previous 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.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P208 is an emergency natural gas blowdown.

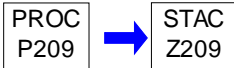
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P209

Source Name: VENTS-FUEL GAS, CRANKCASE, TURBINE, ETC

Source Capacity/Throughput:

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

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

The potential to emit volatile organic compounds from Source ID P209 shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period. Should any of these limitations ever be exceeded, a detailed RACT analysis which meets the criteria specified in Section 129.92 must be submitted to the Department for Source ID P209.

**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.**

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

The permittee shall keep comprehensive and accurate records of supporting calculations which verify compliance with the volatile organic compound emission limitations for Source ID P209. All records generated pursuant to this condition shall be retained for a minimum of five years and be made available to the Department upon request.

**V. REPORTING 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 127.511]

(a) The permittee shall submit to the Department on a semi-annual basis records of the following operating parameters for this source:

(1) The supporting calculations used to verify compliance with the emission limitations for volatile organic compounds.

(2) Records that the equipment incorporated into this source was maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

(b) These records shall be submitted to the Department no later than September 1 (for January 1 through June 30 of the present year) and March 1 (for July 1 through December 31 of the previous 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.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P209 consists of four fuel gas vents, four crankcase vents, four turbine housing vents and one cooling water tank vent.

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

**SECTION D. Source Level Requirements**

Source ID: P210

Source Name: 398 BHP CATERPILLAR DG275 GC GAS EMERGENCY GENERATOR

Source Capacity/Throughput:

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

The concentration of particulate matter in the exhaust of Source ID P210 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust from Source ID P210 shall not exceed 500 parts per million, by volume, dry basis.

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

[Additional authority for this permit condition is derived from the Request for Determination dated January 4, 2019]

The NO<sub>x</sub> emissions from this source shall not equal or exceed 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons in any 12 consecutive month period.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

[Additional authority for this permit condition is derived from 40 CFR Section 63.1089060.4233(e)]

The permittee shall not permit the following air contaminant emissions from Source ID P210 in excess of the limitations listed below:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 2.0 grams per brake horsepower-hour,
- (b) carbon monoxide (CO) - 4.0 grams per brake horsepower-hour,
- (c) volatile organic compounds (excluding formaldehyde) - 1.0 grams per brake horsepower-hour

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

Source ID P210 shall only be fired on pipeline quality natural gas.

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

[Additional authority for this permit condition is derived from the Request for Determination dated January 4, 2019 and 40 CFR Section 60.4243]

**SECTION D. Source Level Requirements**

The permittee shall never operate this source equal to or in excess of 100 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall keep comprehensive and accurate records of the following operating parameters for this source:

(1) The number of hours operated per month.

(2) The amount of fuel consumed per month.

(3) The gas quality characteristics in a current, valid purchase contract, tariff sheet, transportation contract for the fuel or other data compiled by the gas pipeline company, specifying the maximum total sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas.

OR

(4) Representative fuel sampling data showing the sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas and shall include the following:

(i) The date, place, and time of sampling;

(ii) The date(s) analyses were performed;

(iii) The company or entity that performed the analyses;

(iv) The analytical techniques or methods used;

(v) The results of such analyses; and,

(vi) The operating conditions at the time of sampling or measurement.

(5) The supporting calculations used to verify compliance with the emission limitations.

(6) Records that the engine was maintained and operated in accordance with the manufacturer's specifications and with good operating practices for the control of volatile organic compounds.

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

**SECTION D. Source Level Requirements**

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]**  
**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**  
**What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall comply with the applicable requirements specified in 40 CFR Section 60.4245.

**V. REPORTING REQUIREMENTS.**

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

(a) The permittee shall submit to the Department on a semi-annual basis records of the following operating parameters for this source:

- (1) The number of hours operated per month.
- (2) The amount of fuel consumed per month.
- (3) The gas quality characteristics in a current, valid purchase contract, tariff sheet, transportation contract for the fuel or other data compiled by the gas pipeline company, specifying the maximum total sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas.

OR

(4) Representative fuel sampling data showing the sulfur content of the fuel and verifying that the fuel is pipeline quality natural gas and shall include the following:

- (i) The date, place, and time of sampling;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used;
- (v) The results of such analyses; and,

(vi) The operating conditions at the time of sampling or measurement.

(5) The supporting calculations used to verify compliance with the emission limitations.

(6) Records that the engine was maintained and operated in accordance with the manufacturer's specifications and with good operating practices for the control of volatile organic compounds.

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.4243]

The subject source shall be maintained and operated in accordance with manufacturer's specifications and good air pollution control practices.



**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the Request for Determination dated January 4, 2019]

Source P210 is a 398 bhp Caterpillar model DG275 GC natural gas-fired emergency generator rated at 275 ekW.

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

[Authority for this permit condition is also derived from 40 CFR Section 60.4237]

Source P210 shall be equipped with a non-resettable hour meter.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****Am I subject to this subpart?**

Source ID P210 is subject to Subpart JJJJ of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Sections 60.4230 - 60.4248. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart JJJJ.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

The permittee shall comply with the applicable requirements specified in 40 CFR Section 60.4243(b) and (d).

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

Source ID P210 is subject to the requirements of Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Sections 63.6580 - 63.6675. The permittee shall comply with all applicable requirements of 40 CFR Part 63 Subpart ZZZZ.

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

**SECTION E. Source Group Restrictions.**

Group Name: MACT

Group Description: applicable MACT requirements for engines

Sources included in this group

ID	Name
P101	1100HP DR ENG 1 KVG
P102	1100HP DR ENG 2 104KVG
P103	1100HP DR ENG 3 104KVG
P104	1350HP COOPER ENG 4 GMVH6C2

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

**# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]**

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

**How do I monitor and collect data to demonstrate continuous compliance?**

The permittee shall comply with the applicable monitoring requirements specified in 40 CFR Section 63.6635.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 002 [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 comply with the applicable recordkeeping requirements specified in 40 CFR Section 63.6655 and 63.6660.

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**

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

**In what form and how long must I keep my records?**

The permittee shall comply with the applicable recordkeeping requirements specified in 40 CFR Section 63.6655 and 63.6660.

**V. REPORTING REQUIREMENTS.**

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]**

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

**What notifications must I submit and when?**

The permittee shall comply with the applicable reporting requirements specified in 40 CFR Section 63.6645 and 63.6650.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**

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

**What reports must I submit and when?**

The permittee shall comply with the applicable reporting requirements specified in 40 CFR Section 63.6645 and 63.6650.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 006 [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**

**SECTION E. Source Group Restrictions.****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall comply with the applicable maintenance requirements specified in 40 CFR Section 63.6625(h).

**# 007 [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 comply with the applicable maintenance requirements specified in 40 CFR Section 63.6625(j).

**VII. ADDITIONAL REQUIREMENTS.****# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

The permittee shall comply with all applicable requirements of Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Sections 63.6580 - 63.6675.

**# 009 [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 comply with the applicable general requirements specified in 40 CFR Section 63.6603(a).

**# 010 [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?**

The permittee shall comply with the applicable general requirements specified in 40 CFR Section 63.6605.

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6612]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake (please see below)**

The permittee shall comply with the applicable general requirements specified in 40 CFR Section 63.6612.

**# 012 [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 comply with the applicable continuous compliance requirements specified in 40 CFR Sections 63.6640(a), (b), and (e).

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of the General Provisions apply to me?**

The permittee shall comply with the applicable general requirements specified in 40 CFR Section 63.6665.

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

**SECTION E. Source Group Restrictions.**

Group Name: P101-103

Group Description: requirements for engines P101-P103

Sources included in this group

ID	Name
P101	1100HP DR ENG 1 KVG
P102	1100HP DR ENG 2 104KVG
P103	1100HP DR ENG 3 104KVG

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(g)(3)(i)(B)]

The potential to emit volatile organic compounds (excluding formaldehyde) shall not exceed 1.0 gram per brake horsepower-hour.

**# 002 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.97(g)(3)(i)(A)]

The potential to emit nitrogen oxides shall not exceed 3.0 grams per brake horsepower-hour.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)(1), (2), and (i)]

The permittee shall keep records to demonstrate compliance with §§ 129.96—129.97 in the following manner:

- (1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.97 are met.
- (2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

The records shall be retained by the owner or operator for 5 years and made available to the Department upon receipt of a written request from the Department.

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

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

The permittee shall submit to the Department on a semi-annual basis records of the following operating parameters for this source:

**SECTION E. Source Group Restrictions.**

- (1) The number of hours operated per month.
- (2) The amount of fuel consumed per month.
- (3) The supporting calculations used to verify compliance with the emission limitations for this source.
- (4) Records that the engine was maintained and operated in accordance with the manufacturer's specifications and with good operating practices for the control of volatile organic compounds.

These records shall be submitted to the Department no later than September 1 (for January 1 through June 30 of the present year) and March 1 (for July 1 through December 31 of the previous year).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [25 Pa. Code §129.97]**

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(d)]

The permittee shall install, maintain, and operate this source in accordance with the manufacturer's specifications and with good operating practices for the control of volatile organic compounds emissions.

**VII. ADDITIONAL REQUIREMENTS.**

**# 006 [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 comply with the applicable general requirements specified in 40 CFR Section 63.6603(f).

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this permit.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



**SECTION H. Miscellaneous.**

The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (a) One (1) 3,000 gallon wastewater tank (K-1).
- (b) One (1) 3,000 gallon pipeline fluids tank (P-1).
- (c) American Water Heater Co. - 0.05 MMBtu/hr Hot Water Heater
- (d) A.O. Smith Water Products Co. - 0.04 MMBtu/hr Hot Water Heater
- (e) KyungDong Everon Co. - 0.114 MMBtu/hr Space Heater
- (f) Reznor - 0.105 MMBtu/hr Space Heater
- (g) Weil-Mclain - 0.08 MMBtu/hr Space Heater

\*\*\*\*\*

Revision #1: This operating permit was modified on June 28, 2018, via minor operating permit modification requirements of 25 Pa. Code Section 127.462 for incorporation of Reasonable Available Control Technology (RACT II) requirements pursuant to 25 Pa.Code §§ 129.96—129.100.

Revision #2: This operating permit was modified on May 2, 2019, via minor modification requirements of 25 Pa. Code Section 127.462 to allow fuel tariff documentation or contract to verify the sulfur content of the fuel used in Sources P101 through P104 and P201.

Revision #3: This operating permit was modified on November 18, 2019, via administrative amendment requirements of 25 Pa. Code Section 127.450 to update the responsible official and permit contact.





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

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