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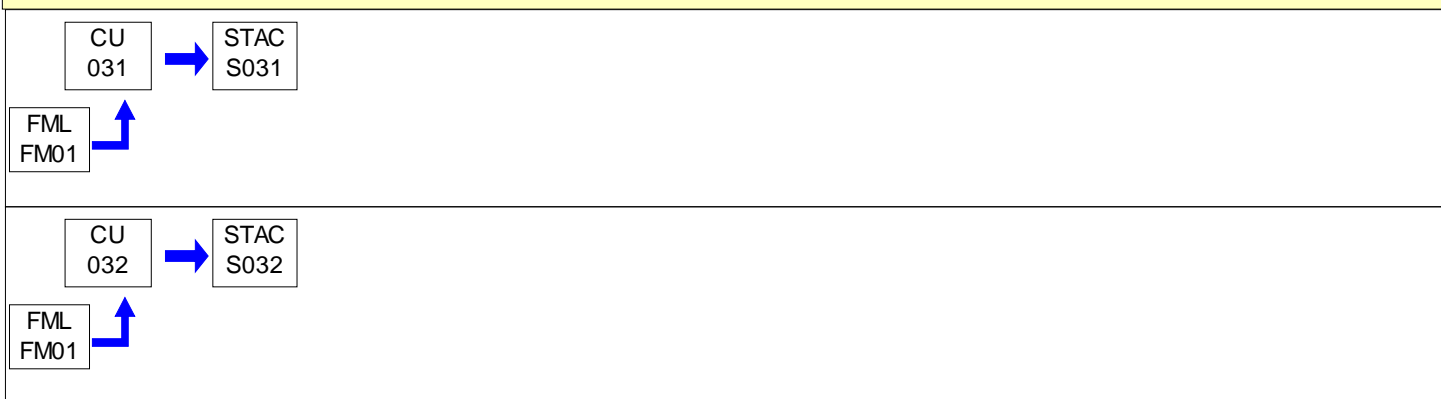
### Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	JACKET WATER HEATER	4.000 MMBTU/HR	
		3.700 MCF/HR	Natural Gas
032	GLYCOL DEHYDRATION UNIT REBOILER	3.500 MMBTU/HR	
		3.280 MCF/HR	Natural Gas
034	FURNACES & HEATERS (EACH<2.5 MMBTU/HR)	1.030 MCF/HR	Natural Gas
041	JACKET WATER HEATER	4.000 MMBTU/HR	
		3.700 MCF/HR	Natural Gas
P101	INGERSOLL RAND KVG-412 ENGINE A1, 1320HP, SN 412AK121	11.340 MCF/HR	Natural Gas
P102	INGERSOLL RAND KVG-412, ENGINE A2, 1320HP, SN 412AK122	11.340 MCF/HR	Natural Gas
P103	INGERSOLL RAND KVG-412, ENGINE A3, 1320HP, SN 412AK123	11.340 MCF/HR	Natural Gas
P104	INGERSOLL RAND KVG-412, ENGINE A4, 1320HP, SN 412AK124	11.340 MCF/HR	Natural Gas
P105	INGERSOLL RAND KVG-412, ENGINE A5, 1320HP, SN 412AK125	11.340 MCF/HR	Natural Gas
P106	INGERSOLL RAND KVG-412, ENGINE A6, 1320HP, SN 412AK132	11.340 MCF/HR	Natural Gas
P107	INGERSOLL RAND KVG-412, ENGINE A7, 1320HP, SN 412AK133	11.340 MCF/HR	Natural Gas
P108	INGERSOLL RAND KVG-412, ENGINE A8, 1320HP, SN 412AK134	11.340 MCF/HR	Natural Gas
P109	1320 BHP, INGERSOLL RAND KVG-412, ENG A9, SN 412AK135	11.340 MCF/HR	Natural Gas
P111	INGERSOLL RANDKVT-512 ENGINE A11, 3,000 HP, SN 512KVT118	30.000 MCF/HR	Natural Gas
P112	COOPER BESSERMER GVH-10C ENG A12, 2,000 HP, SN 49033	25.000 MCF/HR	Natural Gas
P113	2520 BHP, CAT G3608 ENG B1, SN BEN00318	17.710 MCF/HR	Natural Gas
P114	CATERPILLAR G3512 ENGINE B2, 3,550 HP, SN BKE00367	24.950 MCF/HR	Natural Gas
P204	FUGITIVES/LEAKS		
P205	NATURAL GAS DEHYDRATION UNIT	21.000 MMCF/HR	
P305	STORAGE TANKS		
P309A	EMERGENCY ENGINE	15.150 MMBTU/HR	
		14.200 MCF/HR	Natural Gas
P601	VENTING/BLOWDOWNS		
C101	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C102	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C103	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C104	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C105	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C106	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C107	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		

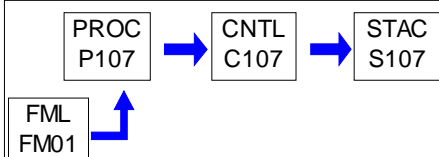
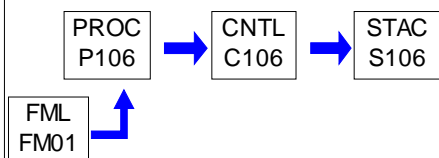
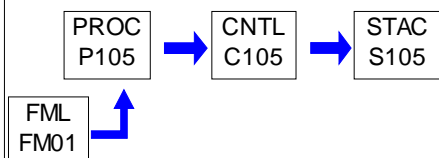
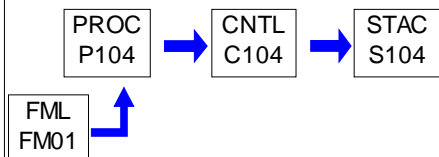
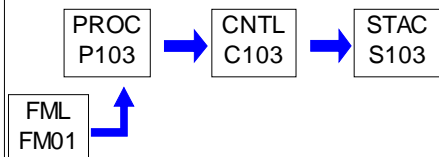
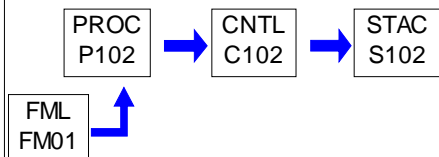
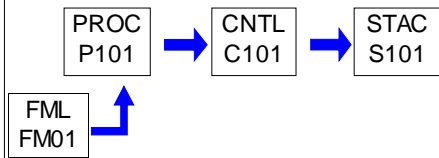
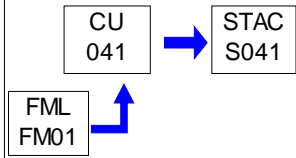
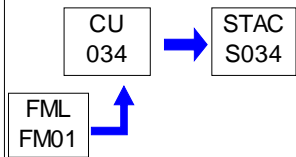
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C108	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C109	NON-SELECTIVE CATALYTIC REDUCTION (NSCR) CATALYST		
C111	OXIDATION CATALYST		
C113	OXIDATION CATALYST		
C114	OXIDATION CATALYST		
C205	THERMAL OXIDIZER		
FM01	NATURAL GAS PIPELINE		
S031	STACK, SOURCE ID 031		
S032	STACK, SOURCE ID 032		
S034	STACK, SOURCE ID 034		
S041	STACK, SOURCE ID 041		
S101	ENGINE A1 STACK		
S102	ENGINE A2 STACK		
S103	ENGINE A3 STACK		
S104	ENGINE A4 STACK		
S105	ENGINE A5 STACK		
S106	ENGINE A6 STACK		
S107	ENGINE A7 STACK		
S108	ENGINE A8 STACK		
S109	ENGINE A9 STACK		
S111	ENGINE A11 STACK		
S112	ENGINE A12 STACK		
S113	ENGINE B1 STACK		
S114	ENGINE B2 STACK		
S205	DEHY THERMAL OXIDIZER STACK		
S309A	EMERGENCY ENGINE-GENERATOR STACK		
Z204	FUGITIVES, SOURCE ID P204		
Z305	FUGITIVES, SOURCE ID P305		

**PERMIT MAPS**

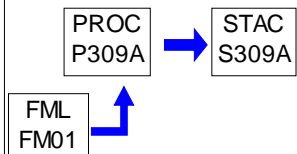
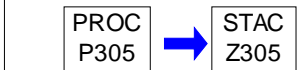
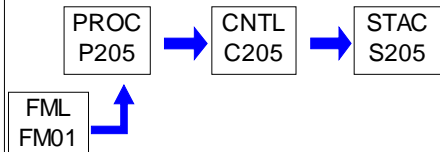
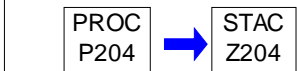
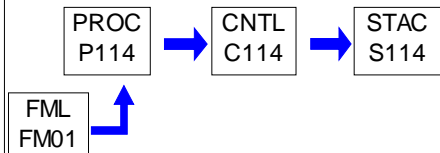
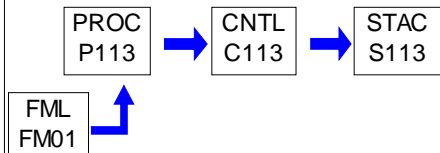
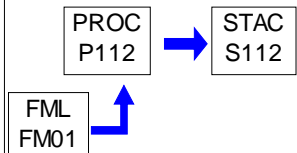
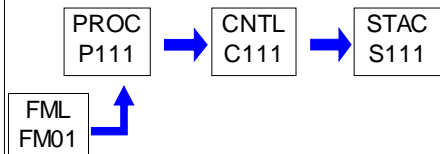
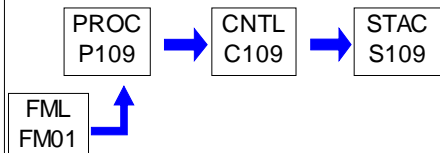
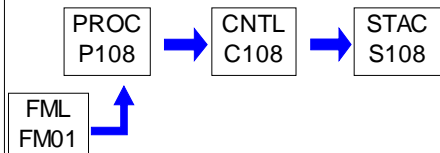


## PERMIT MAPS





PERMIT MAPS



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General Title V Requirements**

the Department.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to

**SECTION C. Site Level Requirements**

the Northcentral Regional Office Air Quality Program Manager and one electronic copy shall be sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

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

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

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

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

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

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

(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.

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

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

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

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

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



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minimum, all of the following:

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

### III. MONITORING REQUIREMENTS.

#### # 008 [25 Pa. Code §123.43]

##### Measuring techniques

Visible emissions may be measured using either of the following:

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

#### # 009 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

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

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

### IV. RECORDKEEPING REQUIREMENTS.

#### # 010 [25 Pa. Code §127.441]

##### Operating permit terms and conditions.

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

- (a) The permittee shall maintain and make available, upon request by the Department, records of the following information in a logbook or electronically:
  - (1) The dates and times of the performances of required weekly inspections as well as the operating conditions as existing at times of the performances;
  - (2) The person(s) that conducted the inspections;
  - (3) The results of the inspections; and
  - (4) Corrective actions and/or preventative measures, as applicable.
- (b) The permittee shall retain records of the required information for at least five (5) years from the date of the inspection.

**SECTION C. Site Level Requirements****V. REPORTING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

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

(a) The permittee shall submit to the Air Program Manager of DEP North Central Regional Office all requests, reports, applications, submittals, and other communications concerning applicable federal NSPS and NESHAP.

(b) In accordance with 40 CFR §§ 60.4 and 63.10, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

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

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

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

(a) The permittee shall submit the annual compliance certifications to the Department and US EPA Region 3, as specified in Condition #026 of Section B, General Title V Requirements, no later than September 1 (for the reporting period from July of the previous year through June of the current year).

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

**# 014 [25 Pa. Code §127.442]****Reporting requirements.**

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate 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,

**SECTION C. Site Level Requirements**

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

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

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

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

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

**# 015 [25 Pa. Code §135.21]****Emission statements**

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

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

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

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

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

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

(3) Paving and maintenance of roadways.

(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by

**SECTION C. Site Level Requirements**

trucking or earth moving equipment, erosion by water, or other means.

**VII. ADDITIONAL REQUIREMENTS.****# 017 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

**# 018 [25 Pa. Code §123.31]****Limitations**

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

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

This operating permit also serves as a Prevention of Significant Deterioration (PSD) permit issued subsequent to the provisions of 40 CFR 52.21 with respect to the 2000 horsepower Cooper Bessemer GMVH-10C reciprocating engine (Source ID P112).

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

The position of Vice President – Operations for Tennessee Gas Pipeline Company, L.L.C., which is currently held by Mr. Ronald S. Bessette, also has Responsible Official (RO) signatory authority, based on the February 2021 Administrative Amendment application approved by the Department. The permittee shall provide letter or email notification to the Department upon a change in the Duly Authorized Representative (DAR) including signed and dated certification from the new DAR as applicable regarding any designated representative with RO signatory authority and responsibility for the overall operation of the facility.

**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**

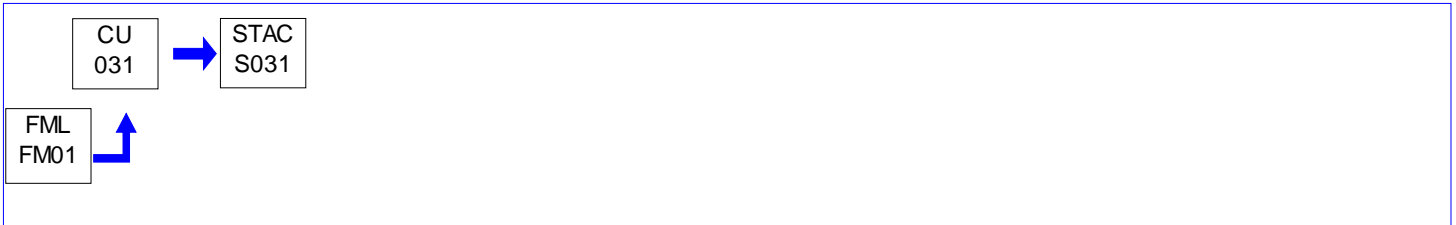
Source ID: 031

Source Name: JACKET WATER HEATER

Source Capacity/Throughput: 4.000 MMBTU/HR

3.700 MCF/HR Natural Gas

Conditions for this source occur in the following groups: BOILER MACT

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

No person may permit the emission of particulate matter from Source 031 into the outdoor atmosphere in excess of 0.40 pound per million Btu of heat input.

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

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

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

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID 031, as specified in 25 Pa. Code Sections 129.100(d) and (i).

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source 031 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by the Department.



**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) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is derived from 25 Pa. Code section 129.97]

The permittee shall install, maintain and operate Source ID 031 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 CE Natco jacket water heater rated at 4.0 mmBtu/hr heat input.

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

**SECTION D. Source Level Requirements**

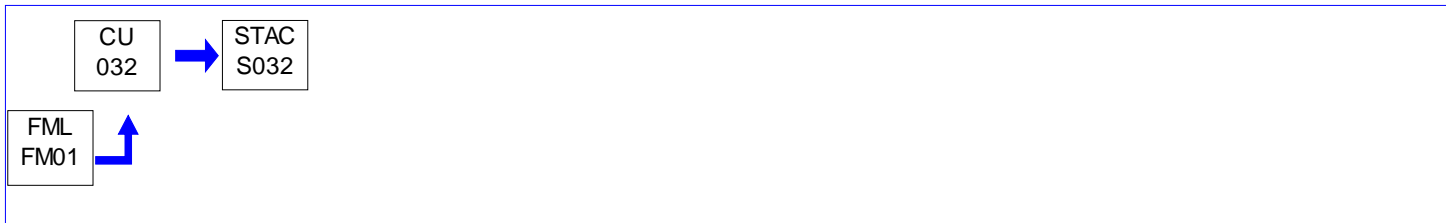
Source ID: 032

Source Name: GLYCOL DEHYDRATION UNIT REBOILER

Source Capacity/Throughput: 3.500 MMBTU/HR

3.280 MCF/HR Natural Gas

Conditions for this source occur in the following groups: BOILER MACT

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

# 001 [25 Pa. Code §123.11]

**Combustion units**

No person may permit the emission of particulate matter into the outdoor atmosphere from Source 032 in excess of 0.40 pound per million Btu of heat input.

# 002 [25 Pa. Code §123.22]

**Combustion units**No person may permit the emission into the outdoor atmosphere of Sulfur Oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from Source 032 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID 032, as specified in 25 Pa. Code Sections 129.100(d) and (i).

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source 032 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by the Department.

**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) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is derived from 25 Pa. Code section 129.97]

The permittee shall install, maintain and operate Source ID 032 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 032 is a Maxon model 535 SP glycol dehydration unit reboiler rated at 3.500 mmBtu/hr heat input.

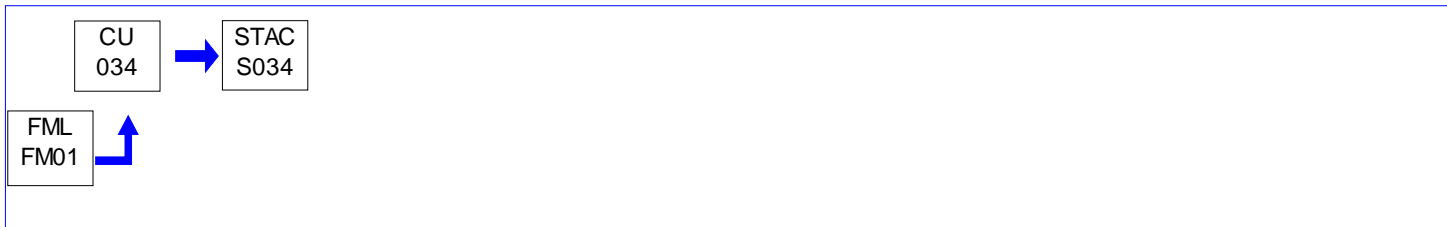
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: FURNACES &amp; HEATERS (EACH&lt;2.5 MMBTU/HR)

Source Capacity/Throughput: 1.030 MCF/HR Natural Gas

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only pipeline quality natural gas as fuel for Source 034.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 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 129.93]

The permittee shall operate and maintain each Source 034 combustion source in accordance with the manufacturer's specifications and good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 034 is comprised of the following natural gas fired combustion sources:

(1) A Rheem model UGDA-10EC-ER furnace rated at 0.105 mmBtu/hr (at laboratory/measurement building);

**SECTION D. Source Level Requirements**

- (2) A Modine model PD 150AA0111 space heater rated at 0.150 mmBtu/hr;
- (3) A Peerless model UH 125C space heater rated at 0.125 mmBtu/hr;
- (4) A Weil-McLain model C GM-6 furnace rated at 0.105 mmBtu/hr (at office building);
- (5) Two (2) Perfection model TK25455AN space heaters, each rated at 0.26 mmBtu/hr (at water treatment building);
- (6) Two (2) Gama model PRV-30-NORS6 hot water heaters, each rated at 0.03 mmBtu/hr (at laboratory and auxiliary buildings); and
- (7) Smith model KGL-40-916 hot water heater rated at 0.03 mmBtu/hr (at office building).

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

**SECTION D. Source Level Requirements**

Source ID: 041

Source Name: JACKET WATER HEATER

Source Capacity/Throughput: 4.000 MMBTU/HR

3.700 MCF/HR Natural Gas

Conditions for this source occur in the following groups: BOILER MACT

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

No person may permit the emission of particulate matter from Source 041 into the outdoor atmosphere in excess of 0.40 pound per million Btu of heat input.

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

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

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

The permittee shall use only pipeline quality natural gas as fuel for Source 041.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID 041, as specified in 25 Pa. Code Sections 129.100(d) and (i).

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source 041 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by the Department.

**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) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is derived from 25 Pa. Code section 129.97]

The permittee shall install, maintain and operate Source ID 041 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 041 is a natural gas-fired jacket water heater rated for 4.0 mmBtu/hr heat input

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

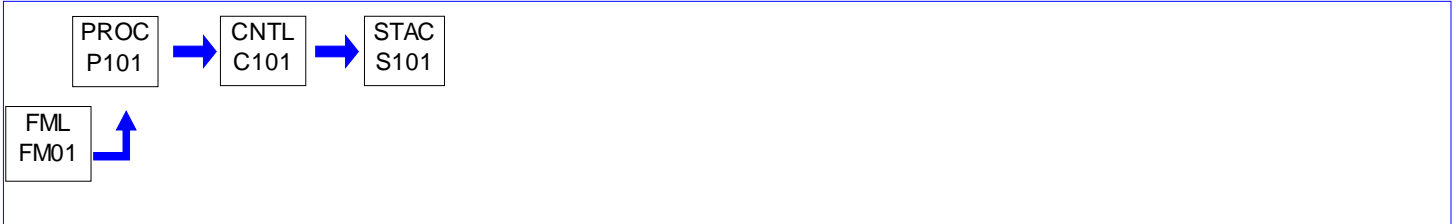
**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: INGERSOLL RAND KVG-412 ENGINE A1, 1320HP, SN 412AK121

Source Capacity/Throughput: 11.340 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
CAM  
RACT FOR A1 - A9

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

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

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the engine associated with Source ID P101 in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P101 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).



**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P101 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 1A or A1.

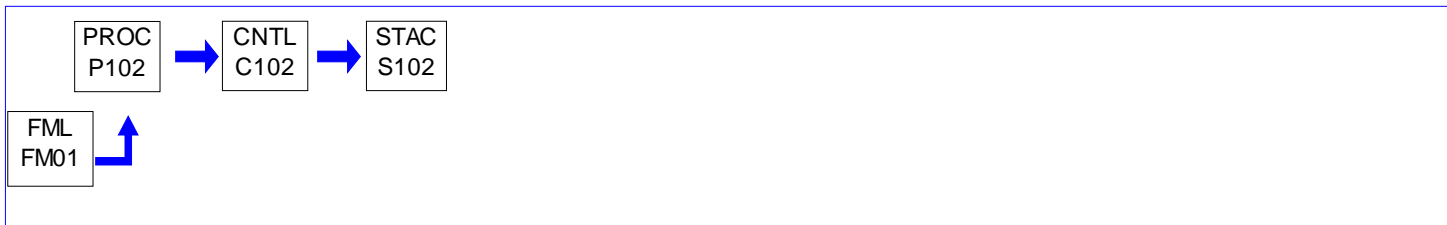
(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P101 shall be controlled by the Source ID C101 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C101.

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

**SECTION D. Source Level Requirements**

Source ID: P102                      Source Name: INGERSOLL RAND KVG-412, ENGINE A2, 1320HP, SN 412AK122  
 Source Capacity/Throughput:            11.340 MCF/HR            Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
 CAM  
 RACT FOR A1 - A9

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

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

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P102, in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P102 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P102 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 2A or A2.

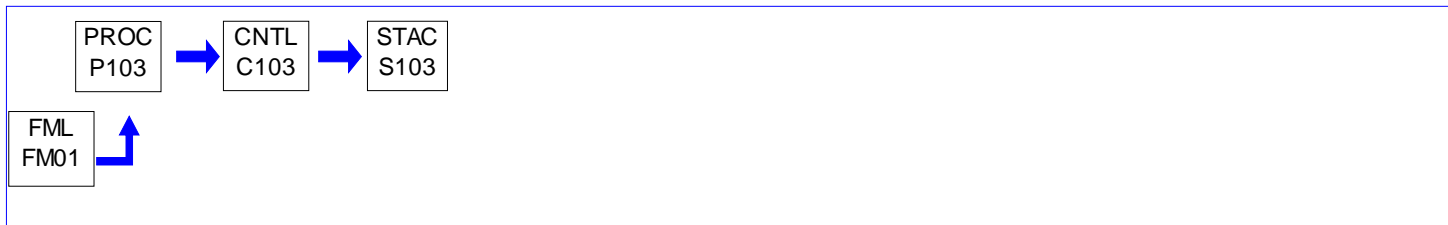
(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P102 shall be controlled by the Source ID C102 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C102.

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

**SECTION D. Source Level Requirements**

Source ID: P103                      Source Name: INGERSOLL RAND KVG-412, ENGINE A3, 1320HP, SN 412AK123  
 Source Capacity/Throughput:            11.340 MCF/HR            Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
 CAM  
 RACT FOR A1 - A9

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

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

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P103, in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P103 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P103 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 3A or A3.

(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P103 shall be controlled by the Source ID C103 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C103.

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

**SECTION D. Source Level Requirements**

Source ID: P104                      Source Name: INGERSOLL RAND KVG-412, ENGINE A4, 1320HP, SN 412AK124  
 Source Capacity/Throughput:            11.340 MCF/HR            Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
 CAM  
 RACT FOR A1 - A9

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

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

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P104, in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P104 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P104 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 4A or A4.

(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P104 shall be controlled by the Source ID C104 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C104.

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

**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: INGERSOLL RAND KVG-412, ENGINE A5, 1320HP, SN 412AK125

Source Capacity/Throughput: 11.340 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
CAM  
RACT FOR A1 - A9

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

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

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P105 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P105 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).



**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P105 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 5A or A5.

(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P105 shall be controlled by the Source ID C105 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C105.

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

**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: INGERSOLL RAND KVG-412, ENGINE A6, 1320HP, SN 412AK132

Source Capacity/Throughput: 11.340 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
CAM  
RACT FOR A1 - A9

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

The permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P106 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P106 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P106 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P106 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 6A or A6.

(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P106 shall be controlled by the Source ID C106 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C106.

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

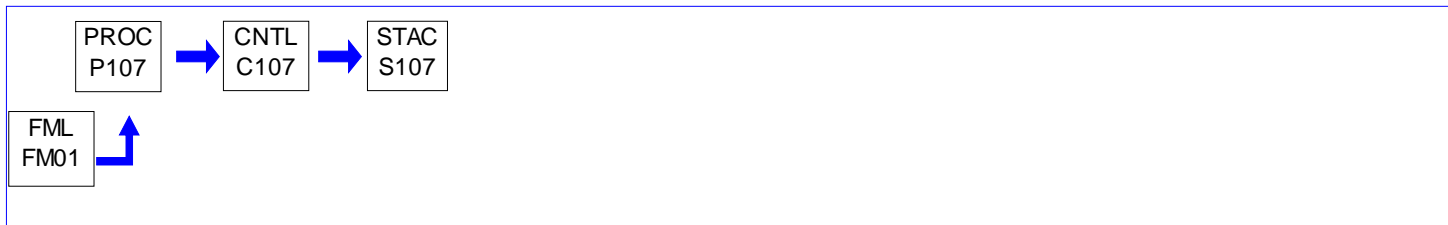
**SECTION D. Source Level Requirements**

Source ID: P107

Source Name: INGERSOLL RAND KVG-412, ENGINE A7, 1320HP, SN 412AK133

Source Capacity/Throughput: 11.340 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
CAM  
RACT FOR A1 - A9

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

The permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P107 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P107 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The January 1, 2017, stack testing deadline did not apply to engine A7/Source P107 as result of a malfunction which had rendered the engine inoperable. Performance testing on this engine was completed in 2017 and subsequent performance testing is to be conducted on the source as required herein.

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P107 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P107 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 7A or A7.

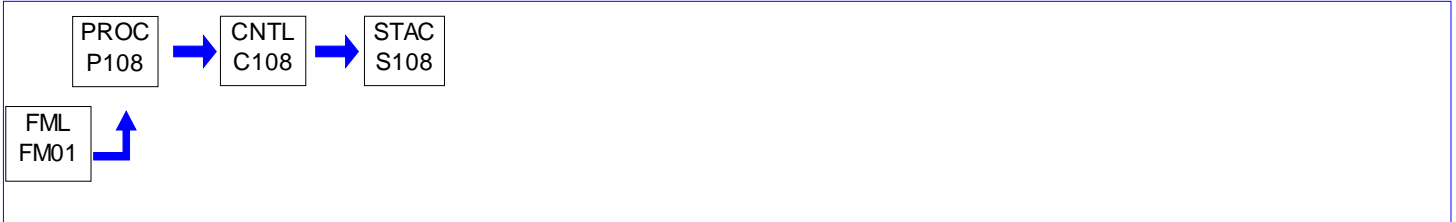
(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P107 shall be controlled by the Source ID C107 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C107.

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

**SECTION D. Source Level Requirements**

Source ID: P108                      Source Name: INGERSOLL RAND KVG-412, ENGINE A8, 1320HP, SN 412AK134  
 Source Capacity/Throughput:            11.340 MCF/HR            Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
 CAM  
 RACT FOR A1 - A9

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

The permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P108 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P108 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P108 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P108 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 8A or A8.

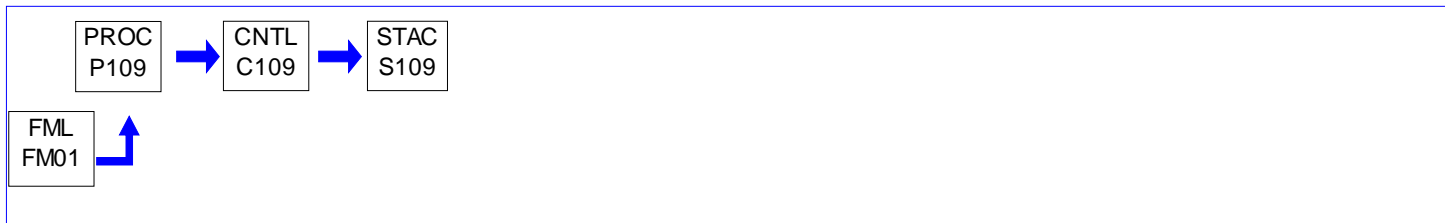
(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P108 shall be controlled by the Source ID C108 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C108.

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

**SECTION D. Source Level Requirements**

Source ID: P109                      Source Name: 1320 BHP, INGERSOLL RAND KVG-412, ENG A9, SN 412AK135  
 Source Capacity/Throughput:                      11.340 MCF/HR                      Natural Gas

Conditions for this source occur in the following groups: 4SRB MACT  
 CAM  
 RACT FOR A1 - A9

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

The permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P109 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P109 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P109 to verify compliance with the applicable emission restrictions for particulate matter and sulfur oxides, or other information as approved by 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) and/or Section E (Source Group Restrictions).



**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P109 authorized herein is a natural gas-fired, 1,320 horsepower Ingersoll Rand KVG-412 reciprocating engine and designated by the facility as engine 9A or A9.

(b) NO<sub>x</sub>, CO and VOC emissions from the engine to Source ID P109 shall be controlled by the Source ID C109 non-selective catalytic reduction (NSCR) emissions reduction technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C109.

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

**SECTION D. Source Level Requirements**

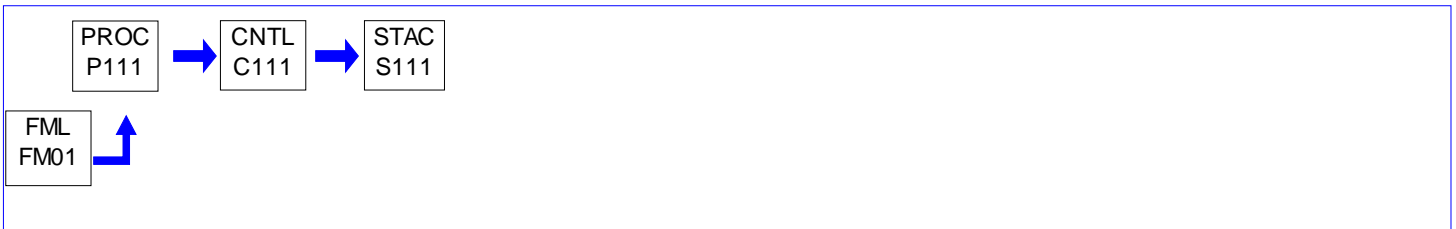
Source ID: P111

Source Name: INGERSOLL RANDKVT-512 ENGINE A11, 3,000 HP, SN 512KVT118

Source Capacity/Throughput:

30.000 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P111 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P111 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Authority is derived from 25 Pa. Code section 129.97]

The permittee shall not cause, allow or permit NO<sub>x</sub> or VOCs to be emitted from the Source P111 engine in excess of any of the applicable presumptive RACT emission limitations, as follows:

(A) 3.0 grams NO<sub>x</sub>/bhp-hr; and

(B) 1.0 grams VOC/bhp-hr excluding formaldehyde.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

(a) The nitrogen oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from Source ID P111 shall not exceed 99.0 pounds per hour.(b) Source ID P111 need not comply with the nitrogen oxides (NO<sub>x</sub>) emissions limitation during engine startup and shutdown provided that the duration of startup or shutdown does not exceed one hour per occurrence.**Fuel Restriction(s).**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

The permittee shall use only pipeline quality natural gas as fuel for Source P111.

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

[Authority is also derived from 25 Pa. Code sections 129.100 and 127.511]

(a) The permittee shall conduct compliance performance tests for nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO) and volatile organic compounds (VOC) emissions on the Source P111 engine one time in each 5-year calendar period. The last compliance testing performance was conducted in 2016. The required testing shall be conducted while the Source ID P111 engine is operated at full load and full speed in accordance with the methods and procedures approved by the Department.

(b) All testing requirements specified in Section C of this Title V operating permit shall be followed by the permittee.

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

[Authority is also derived from 25 Pa. Code sections 129.91, 129.100, 127.511 and 145.113(c)(2)(iii)]

(a) The permittee shall perform semi-annual nitrogen oxides (NO<sub>x</sub>) emissions tests upon Source ID P111 (or periodic NO<sub>x</sub> emissions monitoring) using a Department approved portable exhaust gas analyzer in accordance with a testing procedure or protocol which is acceptable to the Department. The actual test dates shall be as close to 6 months apart as feasibly possible

(b) The permittee shall perform periodic monitoring for nitrogen oxides (NO<sub>x</sub>) emissions on the Source P111 engine every 735 hours of operation using the portable exhaust gas analyzer and procedures acceptable to the Department. At least one NO<sub>x</sub> test is required during the period of May 1 through September 30 in each calendar year.

(c) A performance of the compliance testing as required under the above testing requirements may be substituted on a one-to-one basis for a required performance of the periodic NO<sub>x</sub> emissions monitoring within this permit condition

(d) The Department shall be given at least fifteen(15) days advance notice of the specific dates and times for the performance of the required periodic NO<sub>x</sub> emissions monitoring on the Source P111 engine in order that Department personnel can arrange to be present.

(e) The Department reserves the right to require compliance performance testing in accordance with acceptable Department methods and procedures should the data from the portable exhaust gas analyzer warrant such an action.

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

The permittee shall equip the C111 oxidation catalyst for Source P111 with instrumentation to continuously monitor the pressure drop across the catalyst and the catalyst inlet temperature.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to the Source P111 engine, as specified in 25 Pa. Code sections 129.100(d) and (i).

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

[Authority is also derived from 25 Pa. Code sections 129.95 and 127.511]

(a) The permittee shall maintain comprehensive and accurate records of the following information for the Source P111 engine:

(1) The number of hours operated per month;

**SECTION D. Source Level Requirements**

- (2) The amount of fuel consumed per month;
  - (3) Required NOx emissions monitoring reports;
  - (4) Reference Method/compliance performance testing reports; and
  - (5) Supporting calculations used to verify the Nitrogen Oxides (NOx), Sulfur Oxides (SOx) and Particulate Matter emissions limitations for Source P111
- (b) The permittee shall keep records of the above for a minimum of five (5) years and shall make it available to the Department upon request.

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

The permittee shall keep records of the following information in accordance with the recordkeeping requirements in section B herein:

- (1) 4-hour averages of the inlet temperature of the C111 oxidation catalyst.
- (2) 1-hour averages of the pressure drop across the catalyst.
- (3) The dates and the total hours of operation of Source ID P111 at the times when catalyst maintenance is performed and a description of the maintenance conducted at each interval.
- (4) The C111 oxidation catalyst manufacturer's recommended maintenance intervals and specifications.

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P111 to verify compliance with the applicable emissions limitations for particulate matter and sulfur oxides, or other information as approved by the Department.

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 129.91 and 127.511]

The required NOx emissions monitoring data and reports, including the supporting calculations used to verify compliance for the Source P111 engine, shall be submitted to the Department within 30 days of the periodic monitoring performances.

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

CO emissions from the engine to Source ID P111 shall be controlled by the Source ID C111 (catalytic oxidation) emissions reduction technology. In addition, the permittee shall install and operate the Source ID C111 emissions reduction technology in accordance with the manufacturer specifications and with good air pollution control practices.

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

Source ID P111 is a 3000 horsepower Ingersoll Rand KVT-512 reciprocating engine (11A) equipped with parametric controls (air/fuel controls and an ignition timing controller). The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C111.



**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

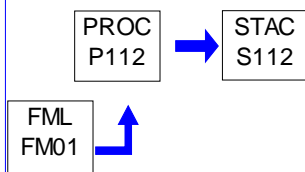
Source ID: P112

Source Name: COOPER BESSERMER GVH-10C ENG A12, 2,000 HP, SN 49033

Source Capacity/Throughput:

25.000 MCF/HR

Natural Gas

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

The permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P112 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

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

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source P112 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 127.1, 127.12, 129.91 and 40 CFR 52.21]

(a) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Sections 127.1 and 127.12 and the Best Available Control Technology (BACT) requirements of the Prevention of Significant Deterioration (PSD) requirements of 40 CFR 52.21:

- (1) the Carbon Monoxide (CO) emissions from Source ID P112 shall not exceed 7.49 pounds per hour,
- (2) the Nitrogen Oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from Source ID P112 shall not exceed 13.22 pounds per hour, and
- (3) the Total Hydrocarbon emissions from Source ID P112 shall not exceed 30.84 pounds per hour.

(b) Source ID P112 need not comply with the Carbon Monoxide (CO), Nitrogen Oxides (NO<sub>x</sub>) or Total Hydrocarbon emissions limitations during engine startup and shutdown provided that the duration of startup or shutdown does not exceed one hour per occurrence.

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

[Authority is derived from 25 Pa. Code section 129.97]

The permittee shall not cause, allow or permit NO<sub>x</sub> or VOCs to be emitted from the Source P112 engine in excess of any of the applicable presumptive RACT emission limitations, as follows:

- (A) 3.0 grams NO<sub>x</sub>/bhp-hr; and
- (B) 1.0 grams VOC/bhp-hr excluding formaldehyde.

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

The permittee shall use only pipeline quality natural gas as fuel for Source ID P112.

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

[Authority is also derived from 25 Pa. Code sections 129.100 and 127.511]

(a) The permittee shall conduct compliance performance tests for carbon monoxide (CO), nitrogen oxides (NOx) and volatile organic compounds (VOC) emissions on the Source P112 engine one time in each 5-year calendar period. The last compliance testing performance was conducted in 2016. The required testing shall be conducted while the Source ID P112 engine is operated at full load and full speed in accordance with the methods and procedures approved by the Department.

(b) All testing requirements specified in Section C of this Title V operating permit shall be followed by the permittee.

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

[Authority is also derived from 25 Pa. Code sections 129.100 and 127.511]

(a) The permittee shall perform monitoring for nitrogen oxides (NOx) emissions on the Source P112 engine semiannually using a portable exhaust gas analyzer and test procedures acceptable to the Department. This required monitoring shall be conducted as close to 6 months apart as feasibly possible.

(b) The permittee shall perform monitoring for carbon monoxide (CO) emissions on the Source P112 engine annually using a portable exhaust gas analyzer and test procedures acceptable to the Department. This required monitoring shall be conducted once prior to December 31 in each calendar year.

(c) A performance of the compliance testing as required under the above testing requirements may be substituted on a one-to-one basis for a required performance of the periodic NOx and CO emissions monitoring within this permit condition.

(d) The Department shall be given at least fourteen (14) days advance notice of the specific dates and times for the performance of the required monitoring on the Source P112 engine in order that Department personnel can arrange to be present.

(e) The Department reserves the right to require compliance performance testing in accordance with acceptable Department methods and procedures should the data from the portable exhaust gas analyzer warrant such an action.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to the Source P112 engine, as specified in 25 Pa. Code sections 129.100(d) and (i).

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

[Authority is also derived from 25 Pa. Code sections 129.95 and 127.511]

(a) The permittee shall maintain comprehensive and accurate records of the following information for the Source P112 engine:

**SECTION D. Source Level Requirements**

- (1) The number of hours operated per month;
  - (2) The amount of fuel consumed per month;
  - (3) Required NOx and CO emissions monitoring reports;
  - (4) Reference Method/compliance performance testing reports; and
  - (5) Supporting calculations used to verify the Carbon Monoxide (CO), Nitrogen Oxides (NOx) and Total Hydrocarbon emissions limitations for Source P112
- (b) The permittee shall keep records of the above for a minimum of five (5) years and shall make it available to the Department upon request.

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

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P112 to verify compliance with the applicable emissions limitations for particulate matter and sulfur oxides, or other information as approved by the Department.

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 129.91 and 127.511]

The required NOx emissions monitoring data and reports, including the supporting calculations used to verify compliance for the Source P112 engine, shall be submitted to the Department within 30 days of the periodic monitoring performances.

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

Source ID P112 is a 2000 horsepower Cooper Bessemer GMVH-10C reciprocating engine (12A) with "clean burn" technology.

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



**SECTION D. Source Level Requirements**

Source ID: P113

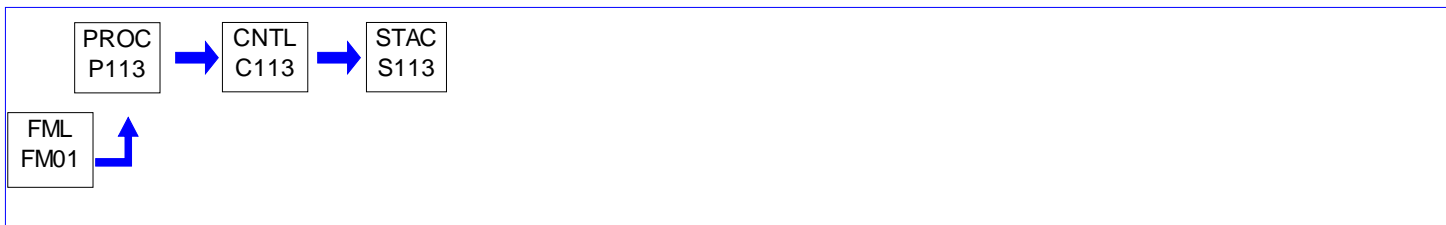
Source Name: 2520 BHP, CAT G3608 ENG B1, SN BEN00318

Source Capacity/Throughput:

17.710 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 4SLB MACT

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from Source ID P113 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of ID C113 associated with Source ID P113 in excess of the limitations listed below:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 2.78 pounds per hour and 12.18 tons in any 12 consecutive month period;
- (b) carbon monoxide (CO) - 1.06 pounds per hour and 4.62 tons in any 12 consecutive month period;
- (c) sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) - 0.01 pounds per hour and 0.04 tons in any 12 consecutive month period;
- (d) particulate matter (PM/PM<sub>10</sub>) - 0.167 pounds per hour and 0.78 tons in any 12 consecutive month period; and
- (e) formaldehyde - 0.56 pounds per hour and 2.45 tons in any 12 consecutive month period.

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

[Compliance with the limit within this permit condition would ensure compliance with the applicable emission limitation in 25 Pa. Code section 123.13]

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P113 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the volatile organic compound (VOC) emissions including formaldehyde from the exhaust of ID C113 associated with Source ID P113 in excess of 1.43 pounds per hour and 6.26 tons in any 12 consecutive month period. In addition, ID C113 shall be capable of reducing the VOC emissions (including formaldehyde) by a minimum of 75% from Source ID P113.

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

The permittee shall not cause, allow or permit NO<sub>x</sub> or VOCs to be emitted from the Source P113 engine in excess of any of the applicable presumptive RACT emission limitations, as follows:

(A) 3.0 grams NO<sub>x</sub>/bhp-hr; and

(B) 1.0 grams VOC/bhp-hr excluding formaldehyde.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use pipeline quality natural gas as fuel for Source ID P113.

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

[Authority is also derived from 25 Pa. Code sections 129.100 and 127.511]

The permittee shall conduct monitoring and testing on the Source P113 engine in accordance with Department-approved emissions source test protocols that meet the requirements of 25 Pa. Code Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The compliance performance tests shall be conducted one time in each 5-year calendar period for carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC) emissions. The initial tests for Source ID P113 was conducted in 2016.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall equip ID C113 with instrumentation to monitor pressure drop across ID C113 and the inlet gas temperature of ID C113 and shall monitor these parameters on a continuous basis.

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

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

(a) The permittee shall perform emissions monitoring on the Source P113 engine semiannually for nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) using a portable exhaust gas analyzer in accordance with the test protocol acceptable to the Department. The semiannual testing shall be performed as close to 6 months apart as feasibly possible.

(b) A compliance performance test may be substituted for a semiannual portable analyzer monitoring required above on a one-for-one basis (e.g. one performance test may be used as a substitute for the required monitoring in a semiannual period).

(c) The Department shall be given at least fourteen (14) days advance notice of the specific dates and times for the performances of the required monitoring.

(d) The Department reserves the right to require compliance performance tests should the data from the required monitoring warrant this action.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P113 to verify compliance with the applicable emission restrictions for PM10 and sulfur oxides, or other information as approved by the Department.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to the Source P113 engine, as specified in 25 Pa. Code sections 129.100(d) and (i).

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

(a) The permittee shall keep records of the following information:

(1) The number of hours that Source ID P113 is operated on a monthly basis;

(2) The monthly emissions calculations used to verify compliance with the annual nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxide, and formaldehyde emissions limitations, based on 12-month rolling sum totals; and

(3) The required monitoring and compliance performance test reports for the source.

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

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

The required monitoring portable exhaust gas analyzer test reports, as well as the supporting calculations used to verify compliance with the nitrogen oxides (NOx) and carbon monoxide (CO) emissions limitations for the Source P113 engine, shall be submitted to the Department within 30 days of performance.

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

[Authority is also derived from 25 Pa. Code sections 127.1 and 127.12, related to BAT requirements]

a) Source ID P113 is a natural gas-fired, Caterpillar Model G3608, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine rated at 2,520 brake-horsepower, equipped with low NOx electronic control technology and designated as engine B1 or 1B.

b) Carbon monoxide, volatile organic compounds, and formaldehyde emissions from the engine to Source ID P113 shall be controlled by the Source ID P113 catalytic oxidation technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C113.

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

**SECTION D. Source Level Requirements**

Source ID: P114

Source Name: CATERPILLAR G3512 ENGINE B2, 3,550 HP, SN BKE00367

Source Capacity/Throughput:

24.950 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 4SLB MACT

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from Source ID P114 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The permittee shall not cause, allow or permit NO<sub>x</sub> or VOCs to be emitted from the engine associated with this Source ID in excess of any of the applicable presumptive RACT emission limitations, as follows:

(A) 3.0 grams NO<sub>x</sub>/bhp-hr; and

(B) 1.0 grams VOC/bhp-hr excluding formaldehyde.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of ID C114 associated with Source ID P114 in excess of the limitations listed below:

(a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) - 3.91 pounds per hour and 17.13 tons in any 12 consecutive month period,

(b) carbon monoxide (CO) - 1.51 pounds per hour and 6.60 tons in any 12 consecutive month period,

(c) volatile organic compounds (VOC) including formaldehyde - 2.03 pounds per hour and 8.89 tons in any 12 consecutive month period,

(d) sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) - 0.02 pounds per hour and 0.09 tons in any 12 consecutive month period,

(e) particulate matter (PM/PM<sub>10</sub>) - 0.30 pounds per hour and 1.29 tons in any 12 consecutive month period

(f) formaldehyde - 0.78 pounds per hour and 3.42 tons in any 12 consecutive month period.

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

[Compliance with the limit specified within this permit condition would ensure compliance with the applicable emission limitation in 25 Pa. Code sections 123.13]

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere particulate matter from Source ID P114 in a manner that the concentration of particulate

**SECTION D. Source Level Requirements**

matter in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

**Fuel Restriction(s).**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use pipeline quality natural gas as fuel for Source ID P114.

**Control Device Efficiency Restriction(s).**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, ID C114 shall be capable of reducing the volatile organic compound emissions including formaldehyde by a minimum of 75% from Source ID P114.

**II. TESTING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code sections 129.100 and 127.511]

The permittee shall conduct monitoring and testing on the Source P114 engine in accordance with Department-approved emissions source test protocols that meet the requirements of 25 Pa. Code Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The compliance performance tests shall be conducted one time in each 5-year calendar period for carbon monoxide (CO), nitrogen oxides (NOx) and volatile organic compounds (VOC) emissions. The initial tests for Source ID P114 was conducted in 2016.

**III. MONITORING REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall equip ID C114 with instrumentation to monitor pressure drop across ID C114 and the inlet gas temperature of ID C114 and shall monitor these parameters on a continuous basis.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

(a) The permittee shall perform emissions monitoring on the Source P114 engine semiannually for nitrogen oxides (NOx) and carbon monoxide (CO) using a portable exhaust gas analyzer in accordance with the test protocol acceptable to the Department. The semiannual testing shall be performed as close to 6 months apart as feasibly possible.

(b) A compliance performance test may be substituted for a semiannual portable analyzer monitoring required above on a one-for-one basis (e.g. one performance test may be used as a substitute for the required monitoring in a semiannual period).

(c) The Department shall be given at least fourteen (14) days advance notice of the specific dates and times for the performances of the required monitoring

(d) The Department reserves the right to require compliance performance tests should the data from the required monitoring warrant this action.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall maintain and make available, upon request by the Department, records of the potential emissions calculations for Source P114 to verify compliance with the applicable emission restrictions for PM10 and sulfur oxides, or other information as approved by the Department.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to the Source P114 engine, as specified in 25 Pa. Code sections 129.100(d) and (i).

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

(a) The permittee shall keep records of the following information:

(1) The number of hours that Source ID P114 is operated on a monthly basis;

(2) The monthly emissions calculations used to verify compliance with the annual nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxide, and formaldehyde emissions limitations, based on 12-month rolling sum totals; and

(3) The required monitoring and compliance performance test reports for the source.

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

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

The required monitoring portable exhaust gas analyzer test reports, as well as the supporting calculations used to verify compliance with the nitrogen oxides (NOx) and carbon monoxide (CO) emissions limitations for the Source P114 engine, shall be submitted to the Department within 30 days of performance.

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

[Authority is also derived from 25 Pa. Code sections 127.1 and 127.12, related to BAT requirements]

a) Source ID P114 authorized herein is a natural gas-fired, Caterpillar Model G3612, four (4) stroke lean burn (4SLB) reciprocating internal combustion engine rated at 3,550 brake-horsepower, equipped with low NOx electronic control technology and designated as engine 2B or B2.

b) Carbon monoxide, volatile organic compounds, and formaldehyde emissions from the engine to Source ID P114 shall be controlled by the Source ID P114 catalytic oxidation technology. The permittee shall submit a notification to Department in accordance with section B herein including the make/model information of the new catalyst within 30 days after a change to Source ID C114.

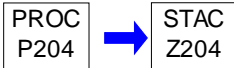
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P204

Source Name: FUGITIVES/LEAKS

Source Capacity/Throughput:

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

The total combined fugitive volatile organic compound emissions from Source ID P204 authorized herein shall not be equal to or exceed 2.7 tons in any 12 consecutive month period of which the emission of volatile hazardous air pollutants shall not 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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall perform a monthly Audio, Visual, Olfactory (AVO) inspection of the facility to determine any leaks that may occur during the inspection and repair as expeditiously as practicable per the requirements listed under paragraph (b)(3) below.

(b) The permittee shall perform an annual Leak Detection and Repair (LDAR) program which meets the following:

- (1) The use of optical gas imaging (OGI) or gas leak detector capable of reading methane concentrations in air of 0 to 5% with an accuracy of  $\pm 0.2\%$ ,
- (2) The program is to be conducted on valves, flanges, connectors, storage vessels/storage tanks and compressor seals in natural gas service. Any equipment or component that is designed to protect the equipment or safety of personnel is not considered a leak,
- (3) Leaks shall be repaired by the permittee as expeditiously as practicable. A first attempt at repair shall be attempted within 5 calendar days of detection but no later than 30 calendar days after the leak is detected, unless the permittee must purchase parts, in which case the repair must be completed no later than 10 calendar days after the receipt of the purchased parts, or the repair or replacement is technically infeasible, would require a vent blowdown, or transmission station shutdown, or would be unsafe to repair during operation of the unit, in which case the repair or replacement shall be completed during the next scheduled transmission station shutdown, after a planned vent blowdown or within 2 years, whichever is earlier.
- (4) A leak shall be defined as a concentration of more than 2.5% methane or a volatile organic compound (VOC) concentration greater than 500 parts per million (ppm) using a gas leak detector or a leak is defined when using an OGI camera as a visible leak image, as demonstrated by monitoring,
- (5) A leak shall be considered repaired if monitoring demonstrated 2.5% or less, or if established by 40 CFR Part 60, Appendix A, or no visible leak image is detected by the OGI camera. The permittee shall resurvey the component no later than 30 calendar days after the leak is repaired.
- (6) Annually thereafter perform the LDAR related inspections that include either the use of an OGI camera or a gas leak detector capable of reading methane concentrations in air of 0 to 5% with an accuracy of  $\pm 0.2\%$ .

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

(a) The permittee shall, at the conclusion of each calendar month, calculate and record the amount of fugitive volatile organic compound and fugitive volatile hazardous air pollutant emissions which occurred at this facility during the 12 consecutive month period which ended on the last day of the respective month.

(b) The permittee shall keep a logbook of the following:

- (1) the date of each inspection,
- (2) initials 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, and
- (8) the initials of the person(s) repairing the leak.

(c) All records generated pursuant to this condition shall be retained for at least five (5) years and shall, along with any supporting data and calculations, be made available to the Department upon request.

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

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

(a) The permittee shall maintain and make available, upon request by the Department, records of the amount of volatile organic compounds emitted from Source ID P204 during each 12 consecutive month period. These records shall include all background information and calculations used in the derivation of the reported values.

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

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

(a) The permittee shall keep records of the following information:

- (1) The date and time of the monthly Audio, Visual, Olfactory (AVO) inspections and any repairs that were conducted pursuant to the AVO inspections.
- (2) The date and time of the annual Leak Detection and Repair (LDAR) inspections and any repairs that were conducted pursuant to the LDAR inspections.

(b) The permittee shall keep these records for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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



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

Source ID P204 consists of connectors, flanges, other fugitive components, etc. that has the potential to emit methane, volatile organic compounds or hazardous air pollutants, including but may not be limited to valves, connectors, pressure relief device, open-ended lines, flanges, compressors, instruments, meters, covers, tanks and closed vent systems.

Devices that vent as part of normal operations are not considered to be a leak unless the emission originates from a place other than a vent.

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

**SECTION D. Source Level Requirements**

Source ID: P205

Source Name: NATURAL GAS DEHYDRATION UNIT

Source Capacity/Throughput:

21.000 MMCF/HR

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the exhaust of ID C205 associated with Source ID P205 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Section 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of ID C205 associated with Source ID P205 in excess of the limitations listed below:

(a) volatile organic compounds (VOC) - 0.021 pounds per hour and 0.094 tons in any 12 consecutive month period,

(b) benzene - 0.013 pounds per hour and 0.058 tons in any 12 consecutive month period.

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 25 Pa. Code Section 123.13]

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not emit into the outdoor atmosphere of particulate matter, from the exhaust of ID C205 associated with Source ID P205, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1275]****Subpart HHH - National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities****Glycol dehydration unit process vent standards.**

The permittee shall limit BTEX emissions from the glycol dehydration unit associated with Source ID P205 to the limit determined in Equation 1 of this condition.

Equation 1:  $ELBTEX = 3.10 \times 10^{-4} \times \text{Throughput} \times C_{i,BTEX} \times 365 \text{ days/yr} \times [1 \text{ Mg}/(1 \times 10^6 \text{ grams})]$ , where ELBTEX is the unit-specific BTEX limit, in units of Mg/yr;

Throughput is Annual average daily natural gas throughput in units of standard cubic meters of natural gas per day;

$C_{i,BTEX}$  is Annual average BTEX concentration of the natural gas at the inlet to the glycol dehydration unit, ppmv

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use pipeline quality natural gas as fuel for ID C205.

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

- (a) Upon request by the Department, the permittee shall perform a volatile organic compound stack test on ID C205 to verify compliance with the VOC emission limitation of ID C205 associated with Source ID P205.
- (b) All testing is to be done using EPA reference method test procedures acceptable to the Department and all testing is to be performed while the respective source is operating at its normal production rate.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall equip ID C205 with instrumentation to monitor the outlet temperature of ID C205 and shall monitor the outlet temperature on a continuous basis. Additionally, the permittee shall equip the recirculation pump of Source ID P205 to monitor the circulation rate of the triethylene glycol (TEG) and shall monitor the flow rate of TEG on a continuous basis.

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

The permittee shall comply with the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Section 63.1283, (related to inspection and monitoring requirements).

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

- (a) The permittee shall keep the following records for Source ID P205:
- (1) The outlet temperature of ID C205 on a continuous basis using the data acquisition system, which shall compute the hourly averages of the outlet temperature of ID C205,
  - (2) The flow rate of the triethylene glycol (TEG) recirculation pump of Source ID P205 on a continuous basis using the data acquisition system, which shall compute the hourly averages of the flow rate of TEG,
  - (3) The hours of operation of Source ID P205 on a monthly basis,
  - (4) The supporting calculations on a monthly basis used to verify compliance with the volatile organic compound and benzene emission limitations in any 12 consecutive month period for ID C205 associated with Source ID P205.
  - (5) The test reports and supporting calculations used to verify compliance with the volatile organic compound and benzene emission limitations of ID C205.
- (b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall comply with the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Section 63.1284, (related to recordkeeping requirements).

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

**SECTION D. Source Level Requirements**

The permittee shall comply with the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Section 63.1285, (related to reporting requirements).

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

The permittee shall comply with the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Section 63.1274, (related to general standards).

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1275]****Subpart HHH - National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities****Glycol dehydration unit process vent standards.**

The permittee shall comply with the applicable requirements pertaining to the glycol dehydration unit associated with Source ID P205, as specified in 40 CFR Section 63.1275(b)(1)(iii).

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

(a) Source ID P205 is a Natural Gas Dehydration operation which consists of the following:

- (1) One (1) glycol regenerator, Smith Industries, 10 gallons per minute
- (2) Three (3) absorption towers,
- (3) One (1) flash tank,
- (4) Three (3) triethylene glycol variable-speed pump,
- (5) The reboiler associated with source ID 032.

(b) ID C205 is a natural gas-fired thermal oxidizer, Tornado Technologies Dehydrator Off-gas Incinerator, 1.5 MMBtu/hr rate heat input.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the volatile organic compound (VOC) and benzene emissions from the glycol dehydration unit (Source ID P205) shall be controlled by a Tornado Technologies thermal oxidizer (ID C205), or equivalent as determined by the Department. The permittee shall not operate Source ID P205 without the simultaneous operation of ID C205.

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

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the outlet temperature of ID C205 shall be maintained at no less than 1,500 degrees Fahrenheit at all times during the operation of Source ID P205.

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

The permittee shall comply with the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Section 63.1281, (related to control equipment requirements).

**SECTION D. Source Level Requirements****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Section 63.1282, (related to test methods, compliance procedures, and compliance demonstrations).

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

The permittee shall comply with the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Section 63.1270, (related to applicability and designation of affected sources).

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

Source ID P205 is subject to the National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities as codified in 40 CFR Part 63 Subpart HHH. The permittee shall comply with all of the applicable requirements pertaining to Source ID P205, as specified in 40 CFR Sections 63.1270 through 63.1287.

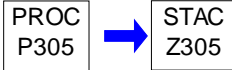
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P305

Source Name: STORAGE TANKS

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Volatile organic compounds (VOC) emissions from each Source P305 storage tank into the outdoor atmosphere shall be less than 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.**

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.**

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

For each Source P305 storage tank with a capacity equal to or greater than 2000 gallons that is not subject to 25 Pa. Code section 129.56/129.57, the permittee shall maintain and make available, upon request by the Department, records to demonstrate that the vapor pressure of the contents stored under actual storage conditions is less than or equal to 1.5 psia (10.3 kPa).

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

(a) The permittee shall maintain and make available, upon request by the Department, records of the amount of volatile organic compounds emitted from each Source ID P305 tank during each 12 consecutive month period. These records shall include all background information and calculations used in the derivation of the reported values.

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID P305 is associated with the following storage tanks:

Tank contents and sizes (gal):

- 1 Lube Oil Rundown 1,000
- 2 Jacket Water Storage 8,000
- 3 Jacket Water 12,000
- 4 Jacket Water 49,000
- 5 New Engine Oil 11,000
- 6 Waste Oil 11,000
- 7 Pipeline Condensate 8,000
- 8 Pipeline Condensate 6,000
- 9 Highway Diesel 1,000
- 10 Triethylene Glycol 4,800
- 11 Process Water 10,000
- 12 Jacket Water Surge 2,000
- 13 Jacket Water Surge 2,000
- 14 New Engine Oil 10,000
- 15 New Engine Oil 2,500
- 16 Produced Water 5,000
- 17 Produced Water 5,000
- 18 Dehydrator Oily Residue 5,000
- 19 Triethylene Glycol 1,400
- 20 Oil Run Down 750
- 21 Oil Run Down 150
- 22 Jacket Water 200
- 23 Waste Oil 200
- 24 Oil Run Down 750
- 25 Lube Oil 120
- 26 Portable Pipeline Condensate 500
- 27 Lube Oil 3,000
- 28 Waste Oil 1,000
- 29 Ethylene Glycol 1,000
- 30 Ethylene Glycol Rundown 1,000
- 31 New Oil 5000
- 32 Transformer 2,115

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

[Authority is also derived from 25 Pa. Code section 129.57]

(a) The permittee shall not place, store or hold any volatile organic compounds with a vapor pressure under actual storage conditions greater than 1.5 psia (10.5 kPa) in any of the Source P305 storage tanks, unless the tank has pressure relief valves installed which are set to release at no less than 0.7 psig (4.8 kPa) of pressure or 0.3 psig (2.1 kPa) of vacuum or other settings in accordance with 25 Pa. Code section 129.57.

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

**SECTION D. Source Level Requirements**

Source ID: P309A

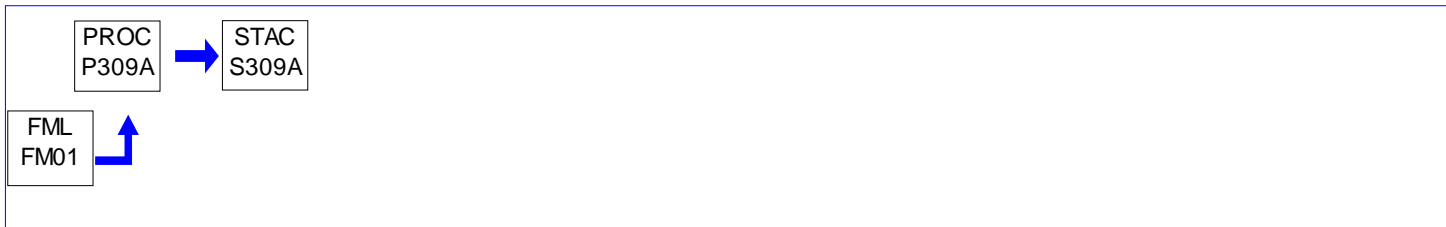
Source Name: EMERGENCY ENGINE

Source Capacity/Throughput:

15.150 MMBTU/HR

14.200 MCF/HR

Natural Gas

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

(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from the Source P309A engine in a manner that the concentration of particulate matter in the effluent gas exceeds any of the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

(ii) n/a

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

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

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

[Additional authority for this permit condition is also derived from 40 CFR Section 60.4233(e)]

Pursuant to best available technology requirements of 25 Pa. Code Section 127.1 and 127.12, the permittee shall not permit the emission of air contaminant pollutants from Source ID P309A in excess of the following limitations:

(i) Nitrogen Oxides - 2.0 grams per horsepower-hour and 2.0 tons in any 12 consecutive month period

(ii) Carbon Monoxide - 4.0 grams per horsepower-hour and 4.0 tons in any 12 consecutive month period

(ii) Volatile Organic Compound, (expressed as propane) - 1.0 gram per horsepower-hour and 1.0 tons in any 12 consecutive month period

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

[Compliance with the operational restrictions specified in this streamlined permit condition assures compliance with the applicable requirements at 40 CFR Sections 60.4243(d) and 63.6640(f)]

(a) The Source ID P309A emergency engine shall be operated only to provide electrical power or mechanical work during an emergency situation. Examples include an engine used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or an engine used to pump water in the case of fire or flood, etc.

(b) In addition to the purpose specified in (a), the emergency engines may be operated for maintenance checks and readiness testing purposes for a maximum of 100 hours per calendar year, provided that the tests are recommended by



**SECTION D. Source Level Requirements**

federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall not operate Source ID P309A in excess of 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Pursuant to 40 CFR Section 60.4243(b)(2)(ii), the permittee shall perform nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO) and volatile organic compound (VOC) emissions stack tests on Source ID P309A by March 6, 2015. After this testing is completed, the permittee shall perform subsequent stack tests no more than 36 months after the previous test.

(b) The stack testing shall be performed in accordance with the applicable requirements specified at 40 CFR Section 60.4244 and 25 Pa. Code Chapter 139.

**III. MONITORING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall operate a non-resettable hour meter for Source ID P309A. The non-resettable hour meter shall continuously measure the total run-time of Source ID P309A.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Section 60.4245 and 25 Pa. Code Section 127.511]

The permittee shall keep records of the following information:

- (i) All notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification;
- (ii) Maintenance activities conducted on the engine;
- (iii) Stack test reports.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

(a) For each occurrence that the engine associated with Source ID P309A operates, the permittee shall record and certify the reason for engine operation, in order to demonstrate compliance with the operating restriction.

(b) Using the non-resettable hour meter, the permittee shall keep monthly records of the total run-time of the emergency engine associated with Source ID P309A.

(i) For each calendar year, the permittee shall keep record of the calculations of the annual run-time for maintenance and readiness testing purposes, in order to demonstrate compliance with the 100 hour per calendar restriction.

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

All information used to comply with the recordkeeping requirements in this section (Source ID P309A) shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

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

For Source ID P309A, the permittee shall keep fuel-based emissions calculation records, or other records or periodic monitoring as approved by the Department, in order to demonstrate compliance with the emission restrictions for particulate matter and sulfur oxides.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID P309A, as specified in 25 Pa. Code Sections 129.100(d), (e), (f) and (i).

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

The permittee shall comply with all applicable notification and reporting requirements pertaining to Source ID P309A, as specified in 40 CFR Section 60.4245.

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

[Additional authority for this permit condition is also derived from 40 CFR Section 60.4243(b)(2)(ii)]

The permittee shall maintain and operate Source ID P309A in a manner consistent with good air pollution control practice for minimizing emissions at all times.

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

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

The permittee shall install, maintain and operate Source ID P309A in accordance with the manufacturer's specifications and with good operating practices.

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

Source ID P309A is subject to the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, as codified in 40 CFR Part 60 Subpart JJJJ. The permittee shall comply with the applicable requirements pertaining to Source ID P309A, as specified in 40 CFR Sections 60.4230 through 60.4248.

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

(a) Source ID P309A is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, as codified in 40 CFR Part 63 Subpart ZZZZ. The permittee shall comply with all applicable requirements, as specified in 40 CFR Sections 63.6580 through 63.6675.

**SECTION D. Source Level Requirements**

(b) The permittee shall comply with the applicable initial notification reporting requirement pertaining to Source ID P309A, as specified in 40 CFR Sections 63.6645.

**# 018 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P309A is a Caterpillar Model G3516B LE emergency engine and used to power a stand-by generator. The stand-by generator associated with the emergency engine is rated for 1300 kW.

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

**SECTION D. Source Level Requirements**

Source ID: P601

Source Name: VENTING/BLOWDOWNS

Source Capacity/Throughput:

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

The total combined VOC emissions from Source P601 shall not 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.**

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.**

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

(a) The permittee shall maintain and make available, upon request by the Department, monthly records of all blowdowns performed within the facility, including the identity of each device vented into the outdoor atmosphere as well as the date(s) and time(s) of blowdown(s) per device.

(b) The permittee shall maintain and make available, upon request by the Department, monthly records of the amount of VOC emissions from Source ID P601 on a 12-month rolling sum total basis. These records shall include all background information and intermediate calculations used in the derivation of the reported values.

(c) These records shall be retained for at least 5 years and made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source ID P601 consists of all station venting and blowdowns.

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

**SECTION E. Source Group Restrictions.**

Group Name: 4SLB MACT

Group Description: Terms and Conditions for RICE MACT for Source P113 and P114

Sources included in this group

ID	Name
P113	2520 BHP, CAT G3608 ENG B1, SN BEN00318
P114	CATERPILLAR G3512 ENGINE B2, 3,550 HP, SN BKE00367

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

[Authority is derived from 40 CFR section 63.6600]

During all times except for periods of startup, each ID C113 and C114 oxidation catalysts equipped shall reduce carbon monoxide (CO) emissions by a minimum of 93 percent. The permittee shall not operate each Source P113 and P114 without a Department approved oxidation catalyst that meets the permit requirements herein.

**# 002 [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?**

(a) N/A

(b) The permittee shall install, operate, and maintain a CPMS to continuously monitor the catalyst inlet temperature for each Source P113 and P114 according to the requirements, below.

(1) You must prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in paragraphs (b)(1)(i) through (v) of this section and in § 63.8(d). As specified in § 63.8(f)(4), you may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in paragraphs (b)(1) through (5) of this section in your site-specific monitoring plan.

(i) The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;

(ii) Sampling interface ( e.g., thermocouple) location such that the monitoring system will provide representative measurements;

(iii) Equipment performance evaluations, system accuracy audits, or other audit procedures;

(iv) Ongoing operation and maintenance procedures in accordance with provisions in § 63.8(c)(1)(ii) and (c)(3); and

(v) Ongoing reporting and recordkeeping procedures in accordance with provisions in § 63.10(c), (e)(1), and (e)(2)(i).

(2) You must install, operate, and maintain each CPMS in continuous operation according to the procedures in your site-specific monitoring plan.

(3) The CPMS must collect data at least once every 15 minutes (see also § 63.6635).

(4) For a CPMS for measuring temperature range, the temperature sensor must have a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit) or 1 percent of the measurement range, whichever is larger.

(5) You must conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan at least annually.

(6) You must conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.

**SECTION E. Source Group Restrictions.**

(c) N/A

(d) N/A.

(e) N/A

(f) N/A

(g) N/A

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) N/A

(j) N/A

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

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

Pursuant to 40 CFR section 63.6640(b), if you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.

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

[Authority is also derived from 40 CFR Sections 63.6640]

(a) Each C113 and C114 oxidation catalyst's inlet temperature shall be maintained greater than or equal to 450 °F and less than or equal 1350 °F based on 4-hour rolling averages. Additionally, the permittee shall maintain each C113 and C114 oxidation catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across each catalyst measured during the initial performance test.

(b) The permittee shall keep records of the applicable operating pressure drop limitations for each Source P113 and P114 engine's oxidation catalyst, as incorporated herein pursuant to the above requirements derived from 40 CFR section 63.6640, as well as the supporting information, such as the initial performance test report for the catalyst.

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

Pursuant to 40 CFR Section 63.6655, the permittee shall maintain and make available, upon request by the Department, all applicable records for each Source P113 and P114 engine, as specified in 40 CFR sections 63.6655(a), (b) and (d) including not limited to required catalyst inlet temperature CPMS monitoring data reduced to 4-hour rolling averages and at minimum monthly catalyst pressure drop readings to verify compliance with the operating limitations for each source. These records shall be maintained in accordance with 40 CFR section 63.6660.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority is derived from 40 CFR sections 63.6650]

(a) The permittee shall submit RICE MACT compliance reports for each Source P113 and P114 semiannually per the permit reporting requirements below and according to all other applicable requirements as specified in 40 CFR sections 63.6650(a), (c) and (e).

(b) Semiannual reports shall be submitted no later than March 1 for the reporting period from July 1 through December 31 (of the previous year) and no later than September 1 for the reporting period from January 1 through June 30 (of the concurrent year).

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

Each Source P113 and P114 engine is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines requirement, as codified in 40 CFR Sections 63.6580 through 63.6675. The permittee shall comply with the applicable requirements pertaining to the source, as specified in 40 CFR Sections 63.6580 through 63.6675.

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

**SECTION E. Source Group Restrictions.**

Group Name: 4SRB MACT

Group Description: Terms and Conditions of RICE MAC for Source P101 through P109

Sources included in this group

ID	Name
P101	INGERSOLL RAND KVG-412 ENGINE A1, 1320HP, SN 412AK121
P102	INGERSOLL RAND KVG-412, ENGINE A2, 1320HP, SN 412AK122
P103	INGERSOLL RAND KVG-412, ENGINE A3, 1320HP, SN 412AK123
P104	INGERSOLL RAND KVG-412, ENGINE A4, 1320HP, SN 412AK124
P105	INGERSOLL RAND KVG-412, ENGINE A5, 1320HP, SN 412AK125
P106	INGERSOLL RAND KVG-412, ENGINE A6, 1320HP, SN 412AK132
P107	INGERSOLL RAND KVG-412, ENGINE A7, 1320HP, SN 412AK133
P108	INGERSOLL RAND KVG-412, ENGINE A8, 1320HP, SN 412AK134
P109	1320 BHP, INGERSOLL RAND KVG-412, ENG A9, SN 412AK135

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

[Authority is derived from 40 CFR section 63.6600]

During all times except for periods of startup, each ID C101 through C109 NSCR catalysts equipped shall reduce formaldehyde emissions by a minimum of 76 percent. The permittee shall not operate each Source P101 through P109 without a Department approved NSCR catalyst that meets the permit requirements herein.

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

The permittee shall comply with the applicable requirements in Table 1a of 40 CFR Part 63 subpart ZZZZ during periods of startup for each Source P101 through P109 engine.

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

Pursuant to 40 CFR section 63.6640(b), if you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.

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

[Authority is also derived from 40 CFR Sections 63.6640]

(a) Each C101 through C109 NSCR catalyst's inlet temperature shall be maintained greater than or equal to 750 °F and less than or equal 1250 °F based on 4-hour rolling averages. Additionally, the permittee shall maintain each C101 and C109 NSCR catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across each catalyst measured during the initial performance test.

(b) The permittee shall keep records of the applicable operating pressure drop limitations for each Source P101 through P109 engine's NSCR catalyst, as incorporated herein pursuant to the above requirements derived from 40 CFR section 63.6640, as well as the supporting information, such as the initial performance test report for the catalyst.



**SECTION E. Source Group Restrictions.****# 005 [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?**

(a) N/A

(b) The permittee shall install, operate, and maintain a CPMS to continuously monitor the catalyst inlet temperature for each Source P101 through P109 according to the requirements, below.

(1) You must prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in paragraphs (b)(1)(i) through (v) of this section and in § 63.8(d). As specified in § 63.8(f)(4), you may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in paragraphs (b)(1) through (5) of this section in your site-specific monitoring plan.

(i) The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;

(ii) Sampling interface ( e.g., thermocouple) location such that the monitoring system will provide representative measurements;

(iii) Equipment performance evaluations, system accuracy audits, or other audit procedures;

(iv) Ongoing operation and maintenance procedures in accordance with provisions in § 63.8(c)(1)(ii) and (c)(3); and

(v) Ongoing reporting and recordkeeping procedures in accordance with provisions in § 63.10(c), (e)(1), and (e)(2)(i).

(2) You must install, operate, and maintain each CPMS in continuous operation according to the procedures in your site-specific monitoring plan.

(3) The CPMS must collect data at least once every 15 minutes (see also § 63.6635).

(4) For a CPMS for measuring temperature range, the temperature sensor must have a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit) or 1 percent of the measurement range, whichever is larger.

(5) You must conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan at least annually.

(6) You must conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.

(c) N/A

(d) N/A.

(e) N/A

(f) N/A

(g) N/A

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) N/A

**SECTION E. Source Group Restrictions.**

(j) N/A

[69 FR 33506, June 15, 2004, as amended at 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6703, Jan. 30, 2013]

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

Pursuant to 40 CFR Section 63.6655, the permittee shall maintain and make available, upon request by the Department, all applicable records for each Source P101 through P109 engine, as specified in 40 CFR sections 63.6655(a), (b) and (d) including not limited to required catalyst inlet temperature CPMS monitoring data reduced to 4-hour rolling averages and at minimum monthly catalyst pressure drop readings to verify compliance with the operating limitations for each source. These records shall be maintained in accordance with 40 CFR section 63.6660.

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

[Authority is derived from 40 CFR sections 63.6650]

(a) The permittee shall submit RICE MACT compliance reports for each Source P101 through P109 semiannually per the permit reporting requirements below and according to all other applicable requirements as specified in 40 CFR sections 63.6650(a), (c) and (e).

(b) Semiannual reports shall be submitted no later than March 1 for the reporting period from July 1 through December 31 (of the previous year) and no later than September 1 for the reporting period from January 1 through June 30 (of the concurrent year).

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

Each Source P101 through P109 engine is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines requirement, as codified in 40 CFR Sections 63.6580 through 63.6675. The permittee shall comply with the applicable requirements pertaining to the source, as specified in 40 CFR Sections 63.6580 through 63.6675.

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

**SECTION E. Source Group Restrictions.**

Group Name: BOILER MACT

Group Description: Terms and Conditions for Boiler MACT for Source 031, 032, 040 and 041

**Sources included in this group**

ID	Name
031	JACKET WATER HEATER
032	GLYCOL DEHYDRATION UNIT REBOILER
041	JACKET WATER HEATER

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

For each Source 031, 032, 040 and 041, the permittee shall maintain and make available, upon request by the Department, all applicable records as required in 40 CFR section 63.7555.

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

The permittee shall comply with the requirements as specified in 40 CFR section 63.7560.

**V. REPORTING REQUIREMENTS.****# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

The permittee shall submit 5-year compliance reports for each Source 031, 032, 040 and 041 in accordance with 40 CFR section 63.7550.

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

The permittee shall conduct a tune-up of each Source 031, 032, 040 and 041 every 5 years as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR section 63.7540. The burner inspections (specified in paragraph (a)(10)(i) of 40 CFR section 63.7540) may be delayed until the next scheduled or unscheduled unit shutdown, but the permittee shall inspect each burner at least once every 72 months.

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each Source 031, 032, 040 and 041 is subject to the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters, as codified in 40 CFR Part 63 Subpart DDDDD. The permittee shall comply with all applicable requirements pertaining to each source, as specified in 40 CFR sections 63.7480 through 63.7575.

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

The permittee shall submit all applicable notifications as required in 40 CFR section 63.7545.

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

**SECTION E. Source Group Restrictions.**

Group Name: CAM

Group Description: Terms and Conditions for CAM for Source P101 through P109

Sources included in this group

ID	Name
P101	INGERSOLL RAND KVG-412 ENGINE A1, 1320HP, SN 412AK121
P102	INGERSOLL RAND KVG-412, ENGINE A2, 1320HP, SN 412AK122
P103	INGERSOLL RAND KVG-412, ENGINE A3, 1320HP, SN 412AK123
P104	INGERSOLL RAND KVG-412, ENGINE A4, 1320HP, SN 412AK124
P105	INGERSOLL RAND KVG-412, ENGINE A5, 1320HP, SN 412AK125
P106	INGERSOLL RAND KVG-412, ENGINE A6, 1320HP, SN 412AK132
P107	INGERSOLL RAND KVG-412, ENGINE A7, 1320HP, SN 412AK133
P108	INGERSOLL RAND KVG-412, ENGINE A8, 1320HP, SN 412AK134
P109	1320 BHP, INGERSOLL RAND KVG-412, ENG A9, SN 412AK135

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

[Authority is also derived from 40 CFR section 64.6]

a) At all times of operation (except startups pursuant to applicable RICE MACT), the permittee shall conduct the required monitoring on each the engines to Source IDs P101 through P109 in accordance with CAM plan dated January 26, 2023, or any subsequent CAM revision as result of the indicator values being re-established in accordance with 40 CFR section 64.6 and any other applicable requirement herein.

b) In addition, the plan shall define and establish excursions, along with CAM indicator values, with respect to each required monitor to the engine of Source IDs P101 through P109, including Department-approved periodic monitoring of NOx and CO engine exhaust rates, as well as continuous parametric monitoring of the inlet catalyst oxygen percentages, expressed as voltage readings, as well as the inlet catalyst temperatures, expressed as Fahrenheit readings. A copy of the plan including the respective maximums and minimums (excursion values) in effect shall be kept at the facility and shall be provided to the Department at once upon request to verify compliance.

c) A copy of the CAM plan dated January 26, 2023, is incorporated into TVOP 53-00001, by reference, as well as any subsequent revision as result of the re-establishment of CAM indicator value(s) pursuant to Department-approved performance test methods and other procedures as well as all other applicable requirements to each of the engines associated with Source IDs P101 through P109.

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

[Authority is also derived from 40 CFR section 64.6]

Along with other monitoring info per recordkeeping requirement in section B herein, regarding each of the engines associated with Source IDs P101 through P109, the permittee shall keep records of the required monitor data including the hourly average inlet oxygen/voltage readings and the 4-hour average inlet catalyst temperatures/Fahrenheit readings in accordance with the averaging periods as specified in CAM plan to each engine.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority is also derived from 40 CFR section 64.6]

(a) The permittee shall submit semiannual monitoring reports for each Source P101 through P109 engine, including all excursions and/or monitoring downtime incidents during the reporting period as well as a summary of the number, duration and probable cause of each excursion and/or monitoring downtime incident, along with description of corrective actions and/or preventative measures taken by the permittee.

(b) Semiannual reports are due no later than March 1 for the reporting period from July through December (of the previous year) and September 1 for the reporting period from January through June (in the concurrent year).

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Each of the Source P101 through P109 engines authorized herein is subject to the Compliance Assurance Monitoring requirements, as codified in 40 CFR Part 64. The permittee shall comply with the applicable requirements pertaining to the engine, as specified in 40 CFR sections 64.1 through 64.10.

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

[Authority is also derived from 40 CFR section 64.8]

(1) The Department will at its discretion request a quality improvement plan (QIP), if the number of excursions in a reporting period warrants submission of a QIP. During each reporting period, the permittee shall record all actions associated with the implementation of QIP including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment.

(2) The QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following actions, as appropriate:

- (a) improved preventive maintenance practices;
- (b) process operation changes;
- (c) appropriate improvements to control methods; and
- (d) other steps appropriate to correct performance.

(3) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- (a) address the cause of the control device performance problem; or
- (b) provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(4) Implementation of QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under any federal, state or local laws or any other applicable requirements under the Clean Air Act.

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT FOR A1 - A9

Group Description: Terms and Conditions for RACT for Source P101 through P109

Sources included in this group

ID	Name
P101	INGERSOLL RAND KVG-412 ENGINE A1, 1320HP, SN 412AK121
P102	INGERSOLL RAND KVG-412, ENGINE A2, 1320HP, SN 412AK122
P103	INGERSOLL RAND KVG-412, ENGINE A3, 1320HP, SN 412AK123
P104	INGERSOLL RAND KVG-412, ENGINE A4, 1320HP, SN 412AK124
P105	INGERSOLL RAND KVG-412, ENGINE A5, 1320HP, SN 412AK125
P106	INGERSOLL RAND KVG-412, ENGINE A6, 1320HP, SN 412AK132
P107	INGERSOLL RAND KVG-412, ENGINE A7, 1320HP, SN 412AK133
P108	INGERSOLL RAND KVG-412, ENGINE A8, 1320HP, SN 412AK134
P109	1320 BHP, INGERSOLL RAND KVG-412, ENG A9, SN 412AK135

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

[Authority for this permit condition is derived from 25 Pa. Code section 129.91]

(a) The carbon monoxide (CO) emissions from each Source P101 through P109 shall not exceed 41.86 pounds per hour. Compliance with this limitation shall be based upon the average of the results from three consecutive one hour stack test runs.

(b) The nitrogen oxides emissions (NO<sub>x</sub>, expressed as NO<sub>2</sub>) from each engine Source P101 through P109 shall not exceed 8.7 pounds per hour.

(c) Each Source P101 through P109 need not comply with the above limitation in this permit condition during engine startup and shutdown provided that the duration of startup or shutdown does not exceed one hour per occurrence.

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

[Authority is derived from 25 Pa. Code section 129.97]

The permittee shall not cause, allow or permit NO<sub>x</sub> or VOCs to be emitted from each Source P101 through P109 engine in excess of any of the applicable presumptive RACT emission limitations, as follows:

(A) 2.0 grams NO<sub>x</sub>/bhp-hr; and

(B) 1.0 grams VOC/bhp-hr.

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

[Authority is also derived from 25 Pa. Code section 129.91]

The permittee shall use only pipeline quality natural gas as fuel for each Source P101 through P109.

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

[Authority is also derived from 25 Pa. Code sections 129.100 and 127.511]

**SECTION E. Source Group Restrictions.**

(a) The permittee shall conduct compliance performance tests for carbon monoxide (CO), nitrogen oxides (NOx) and volatile organic compounds (VOC) emissions on each Source P101 through P109 one time in each 5-year calendar period. The last compliance testing performances for Sources P101 through P106, P108 and P109 were conducted in 2016, and in 2017 for Source P107. The required testing shall be conducted while each Source P101 through P109 is operated at full load and full speed in accordance with the methods and procedures approved by the Department.

(b) All testing requirements specified in Section C of this Title V operating permit shall be followed by the permittee.

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

[Authority is also derived from 25 Pa. Code sections 129.100 and 127.511]

(a) The permittee shall perform monitoring for nitrogen oxides (NOx) emissions on each Source P101 through P109 semiannually using a portable exhaust gas analyzer and test procedures acceptable to the Department. This required monitoring shall be conducted as close to 6 months apart as feasibly possible.

(b) The permittee shall perform monitoring for carbon monoxide (CO) emissions on each Source P101 through P109 annually using a portable exhaust gas analyzer and test procedures acceptable to the Department. This required monitoring shall be conducted once prior to December 31 in each calendar year.

(c) A performance of the compliance testing as required under the above testing requirements may be substituted on a one-to-one basis for a required performance of the periodic NOx and CO emissions monitoring within this permit condition.

(d) The Department shall be given at least fourteen (14) days advance notice of the specific dates and times for the performance of the required monitoring on each Source P101 through P109 engine in order that Department personnel can arrange to be present

(e) The Department reserves the right to require compliance performance testing in accordance with acceptable Department methods and procedures should the data from the portable exhaust gas analyzer warrant such an action.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to each Source ID P101 through P109 engine, as specified in 25 Pa. Code sections 129.100(d) and (i).

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

[Authority is also derived from 25 Pa. Code sections 129.95 and 127.511]

(a) The permittee shall maintain comprehensive and accurate records of the following information for each Source P101 through P109 engine:

(1) The number of hours operated per month;

(2) The amount of fuel consumed per month;

(3) Required NOx and CO emissions monitoring reports;

(4) Reference Method/compliance performance testing reports; and

(5) Supporting calculations used to verify the Carbon Monoxide (CO), Nitrogen Oxides (NOx), Sulfur Oxides (SOx) and Particulate Matter emissions limitations for each Source P101 through P109.

(b) The permittee shall keep records of the above for a minimum of five (5) years and shall make it available to the Department upon request.



**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code sections 129.91 and 127.511]

The required NOx and CO emissions monitoring data and reports, including the supporting calculations used to verify compliance for each Source P101 through P109 engine, shall be submitted to the Department within 30 days of the periodic monitoring performances.

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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



## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

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

- (a) One (1) Portable Air Compressor, Gasoline Fired, John Deere, Type 4219DF01, 69 HP
- (b) One (1) Sand Blast Station with integral Filter, Econoline, Model 10-40FT
- (c) One (1) Welding Generator, Diesel Fired, Lincoln, Model F16
- (d) One (1) Portable Water Pump, Gasoline Fired, Briggs and Stratton, 8 HP
- (e) One (1) Portable Air Compressor, Briggs and Stratton, 8 HP
- (f) One (1) Portable Hydraulic Pump, Kohler Model K341S, 11 HP
- (g) One (1) Portable Air Compressor, Cummings Diesel, Diesel Fired
- (h) Ozzyjuice unit(s)



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

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