



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: May 27, 2021

Effective Date: May 27, 2021

Expiration Date: May 26, 2026

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

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

TITLE V Permit No: 18-00006

Federal Tax Id - Plant Code: 55-0629203-2

Owner Information

Name: EASTERN GAS TRANS & STORAGE INC
Mailing Address: 6603 W BROAD ST
RICHMOND, VA 23230-1711

Plant Information

Plant: EASTERN GAS TRANS & STORAGE INC/LEIDY STA
Location: 18 Clinton County 18919 Leidy Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: JOHN MLAMB
Title: VP EASTERN PIPELINE OPR
Phone: (804) 273 - 4327 Email:

Permit Contact Person

Name: GLENN S BOUTILLIER
Title: ENV SPCST III
Phone: (804) 356 - 1364 Email: Glenn.S.Boutillier@dominionenergy.c

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



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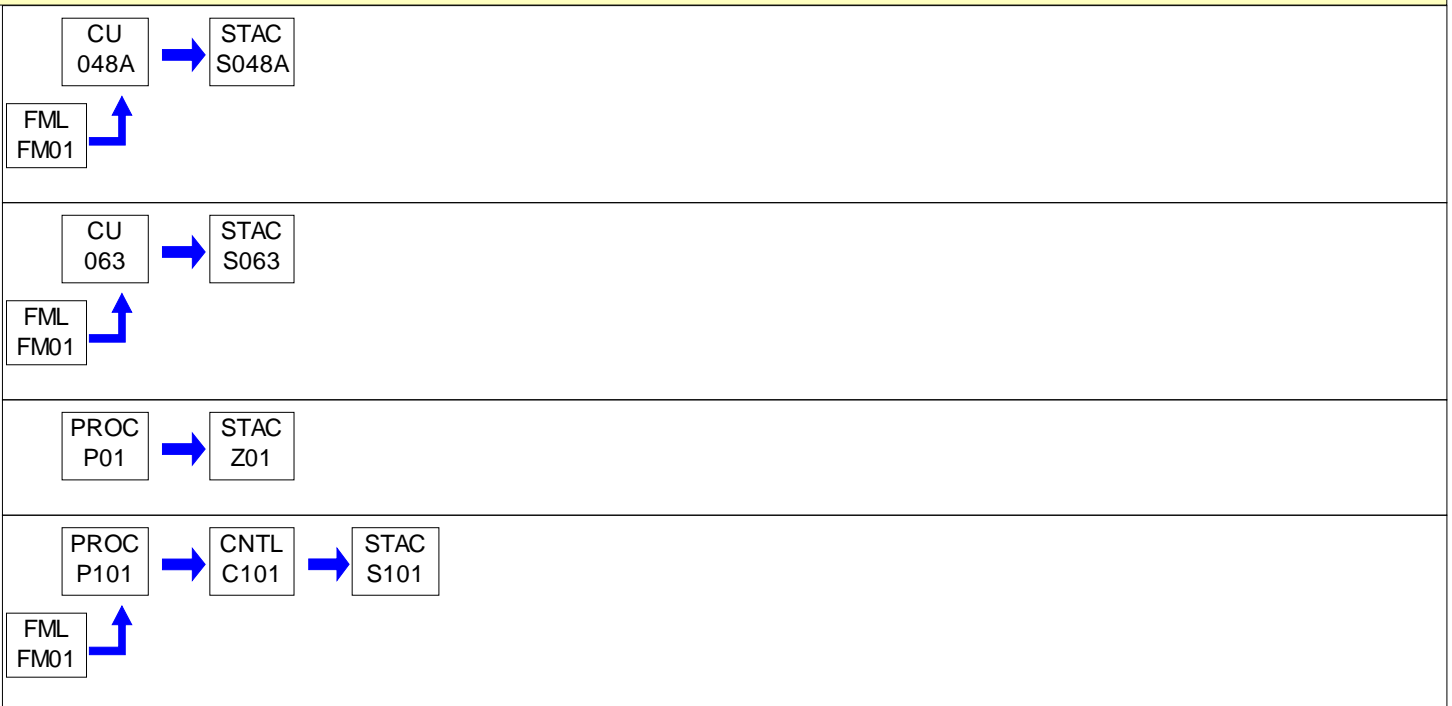
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
048A	FOUR SALT BATH HEATERS EACH 6.48 MMBTU/HR	25.920 MMBTU/HR	
063	3 SUPERIOR BOILERS (40 MMBTU/HR EACH)	40.000 MMBTU/HR	
P01	FACILITY FUGITIVES		
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)		
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)		
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)		
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)		
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)		
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)		
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)		
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)		
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)		
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)		
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)		
P112	ENGINE 12 (CLARK 3400 HP)		
P113	ENGINE 13 (CLARK 3400 HP)		
P114	2650 HP NAT. GAS FIRED GENERATOR		
P204	40HP AIR COMPRESSOR		
P206	5 LIQUID STORAGE TANKS		
P207	6 LIQUID STORAGE TANKS		
P209	13 FUEL GAS VENTS		
P210	13 CRANKCASE VENTS		
P211	1 COOL WATER TANK VENT		
P212	40 HP WATER PUMP		
P213	ENGINE/COMPRESSOR TRANSITION VENTS		
P214	2 EMERGENCY BLOW DOWNS		
P301	2 DIESEL ENGINES (KETTLE CREEK)		
C101	OXIDATION CATALYST		
C102	OXIDATION CATALYST		
C103	OXIDATION CATALYST		
C104	OXIDATION CATALYST		
C105	OXIDATION CATALYST		
C106	OXIDATION CATALYST		
C107	OXIDATION CATALYST		
C108	OXIDATION CATALYST		
C109	OXIDATION CATALYST		
C110	OXIDATION CATALYST		
C111	OXIDATION CATALYST		
FM01	NATURAL GAS PIPELINE		
FM02	GASOLINE		

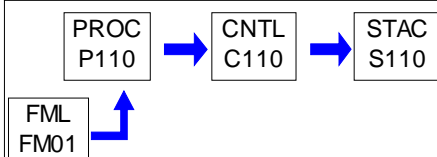
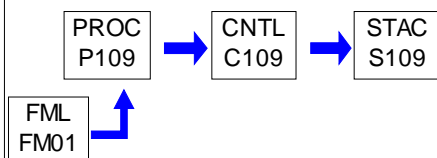
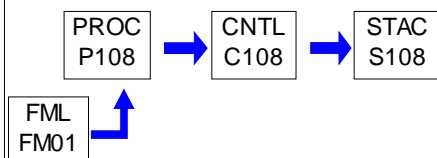
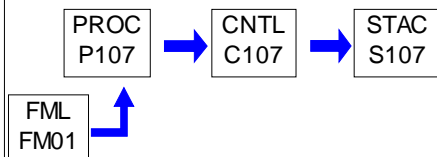
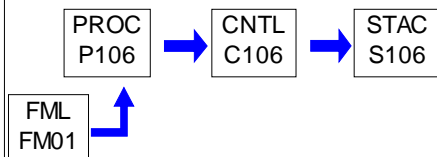
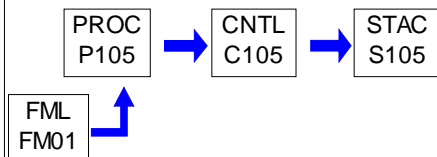
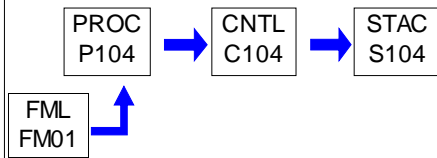
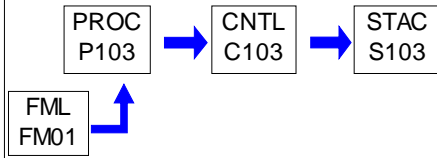
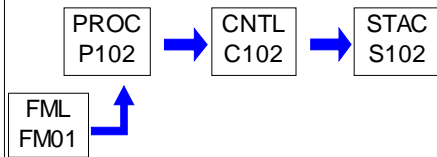
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
FM03	DIESEL FUEL TANK		
S048A	HEATER STACKS		
S063	SUPERIOR STACKS		
S101	ENGINE 1 STACK		
S102	ENGINE 2 STACK		
S103	ENGINE 3 STACK		
S104	ENGINE 4 STACK		
S105	ENGINE 5 STACK		
S106	ENGINE 6 STACK		
S107	ENGINE 7 STACK		
S108	ENGINE 8 STACK		
S109	ENGINE 9 STACK		
S110	ENGINE 10 STACK		
S111	ENGINE 11 STACK		
S112	ENGINE 12 STACK		
S113	ENGINE 13 STACK		
S114	GENERATOR STACK		
S204	AIR COMPRESSOR STACK		
S212	WATER PUMP STACK		
S301	DIESEL ENGINE STACK		
Z01	FUGITIVE EMISSIONS		

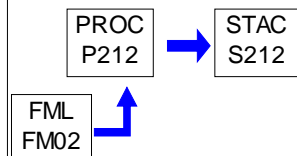
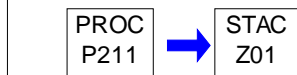
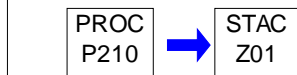
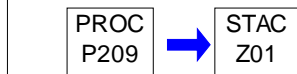
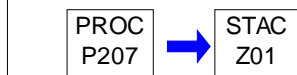
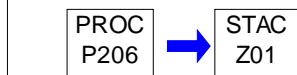
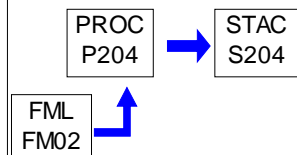
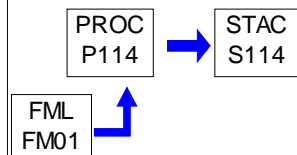
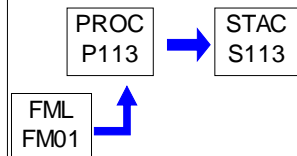
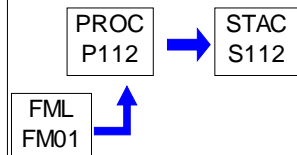
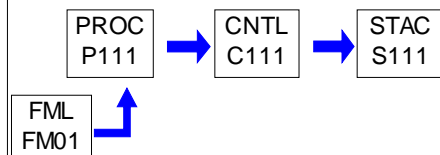
PERMIT MAPS



PERMIT MAPS

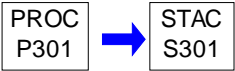
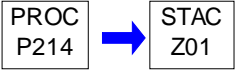
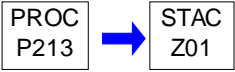


PERMIT MAPS





PERMIT MAPS



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

- (1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.
- (2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.
- (3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

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

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

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

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(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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements**

The total combined fugitive volatile organic compound emissions from all sources at this facility shall not exceed 9.6 tons in any 12 consecutive month period.

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

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

The potential to emit volatile organic compounds from the 13 fuel gas vents (Source ID P209), the 13 crankcase vents (Source ID P210), and 1 cooling water tank vent (Source ID P211) shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period (combined). Should any of these limitations ever be exceeded, a detailed RACT analysis which meets the criteria specified in 25 Pa. Code Section 129.92 must be submitted to the Department for each of the sources identified above.

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

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

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

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

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

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

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

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

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

(g) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), one electronic copy of all submittals, besides notifications,

**SECTION C. Site Level Requirements**

shall be sent to the Northcentral Regional Office Air Quality Program Manager. In addition, one electronic copy and one hard copy shall be sent to the PSIMS Administrator in Central Office. Mail and email addresses are provided on the 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.

008 [25 Pa. Code §139.1]**Sampling facilities.**

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

009 [25 Pa. Code §139.11]**General requirements.**

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

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

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

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

**SECTION C. Site Level Requirements**

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

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

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

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

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

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

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

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

(a) The permittee shall keep comprehensive and accurate records on a monthly basis of the calculations performed to verify compliance with the fugitive volatile organic compound (VOC) emission limitations in any 12 consecutive month period for all sources at this facility.

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

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

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

The permittee shall maintain records of the calculations performed to verify compliance with the volatile organic compound (VOC) emissions limitations for the 13 fuel gas vents (Source ID P209), the 13 crankcase vents (Source ID P210), and 1 cooling water tank vent (Source ID P211). These records shall be retained for a minimum of five years and be presented to the Department upon request.

015 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.3 (relating to reporting). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

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

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #026 of Section B, General Title V Requirements, no later than September 1 (from July 1 of the previous year through June 30 of the current year). The following email address shall be used to submit the compliance certifications to

**SECTION C. Site Level Requirements**

the EPA Region III:

R3_APD_Permits@epa.gov

(b) The permittee shall submit the semiannual reports of required monitoring to the Department, as specified in Condition #025 of Section B, General Title V Requirements, no later than September 1 (for January 1 through June 30) and March 1 (for July 1 through December 31 of the previous year).

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

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

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

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

The permittee shall annually submit to the Department (no later than March 1 for the previous year) records of the calculations performed to verify compliance with the volatile organic compound (VOC) emissions limitations from the 13 fuel gas vents (Source ID P209), the 13 crankcase vents (Source ID P210), and 1 cooling water tank vent (Source ID P211).

019 [25 Pa. Code §127.442]**Reporting requirements.**

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

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

(c) The report shall describe the following:

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

(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.

**SECTION C. Site Level 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.

020 [25 Pa. Code §135.21]**Emission statements**

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

(b) The annual Air Information Management System (AIMS) emission report is due by March 1 for the preceding calendar year and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The permittee shall provide data consistent with requirements and guidance developed by the EPA.

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

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

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

021 [25 Pa. Code §135.3]**Reporting**

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

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 022 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

(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.



SECTION C. Site Level Requirements

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

VII. ADDITIONAL REQUIREMENTS.

023 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

024 [25 Pa. Code §123.31]

Limitations

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

025 [25 Pa. Code §129.14]

Open burning operations

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

SECTION D. Source Level Requirements

Source ID: 048A

Source Name: FOUR SALT BATH HEATERS EACH 6.48 MMBTU/HR

Source Capacity/Throughput: 25.920 MMBTU/HR

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

001 [25 Pa. Code §123.11]

Combustion units

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 048A in excess of 0.4 pound per million BTU of heat input.

002 [25 Pa. Code §123.22]

Combustion units

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID 048A in excess of the rate of 4.0 pounds per million Btu of heat input over any 1-hour period.

003 [25 Pa. Code §129.97]

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)(1)]

The potential to emit nitrogen oxides from each of the sources incorporated into Source ID 048A shall never equal or exceed 5 tons in any 12 consecutive month period.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 048A shall only be fired on pipeline quality natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

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

The permittee shall keep comprehensive and accurate records of the nitrogen oxide emissions on a monthly basis to demonstrate compliance with the applicable emission limitation specified in 25 Pa. Code Section 129.97(c).

These records shall be kept for 5 years and made available to the Department upon request.

006 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

The permittee shall comply with all applicable recordkeeping requirements specified in 40 CFR § 63.7555 and 40 CFR § 63.7560 pertaining to Source ID 048A.

V. REPORTING REQUIREMENTS.**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]****Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

The submission of all requests, reports, applications, submittals and other communications required by the National Emissions Standards for Hazardous Air Pollutants (40 CFR Part 63) shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to:

Office of Enforcement and Compliance Assistance
Air Protection Division (3HW20)
U. S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029
and

The Pennsylvania Department of Environmental Protection
Air Quality Program Manager
208 W. Third Street, Suite 101
Williamsport, PA 17701-6448

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

The permittee shall submit the required notifications specified in 40 CFR § 63.7545 pertaining to Source ID 048A.

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

The permittee shall submit all required reports specified in 40 CFR § 63.7550 pertaining to Source ID 048A.

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

The permittee shall install, maintain, and operate each source incorporated into Source ID 048A in accordance with the manufacturer's specifications and with good operating practices.

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

At all times, the permittee shall operate and maintain Source ID 048A, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

The permittee shall complete a tune-up every 2 years as specified in 40 CFR §63.7540.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my initial compliance requirements and by what date must I conduct them?**

The permittee shall demonstrate initial compliance with the applicable work practice standards in Table 3 to 40 CFR Part 63 Subpart DDDDD within the applicable biennial schedule as specified in §63.7515(d) following the initial compliance date specified in §63.7495(a). Thereafter, you are required to complete the applicable biennial tune-up as specified in §63.7515(d).

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****When must I conduct subsequent performance tests or fuel analyses, or tune-ups?**

Each biennial tune-up specified in 40 CFR §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up.

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

The permittee shall demonstrate compliance with applicable continuous compliance requirements specified in 40 CFR § 63.7540.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID 048A consists of four natural gas-fired GasTech Engg salt bath heaters each equipped with FLAMECO FAH40/30-16 O type burners each rated 6.48 MMBtu/hr

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

Source ID 048A is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. Source ID 063 shall comply with all applicable requirements of Subpart DDDDD.

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

SECTION D. Source Level Requirements

Source ID: 063

Source Name: 3 SUPERIOR BOILERS (40 MMBTU/HR EACH)

Source Capacity/Throughput: 40.000 MMBTU/HR

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

001 [25 Pa. Code §123.11]

Combustion units

No person may permit the emission into the outdoor atmosphere of particulate matter from any of the boilers of Source ID 063 in excess of 0.4 pounds per million BTU of heat input.

002 [25 Pa. Code §123.22]

Combustion units

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from any of the boilers of Source ID 063 in excess of the rate of 4.0 pounds per million BTU of heat input over any 1-hour period.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The volatile organic compound (VOC) emissions from each of the boilers of Source ID 063 shall not exceed 0.964 tons in any 12 consecutive month period.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The boilers of Source ID 063 shall only be fired on pipeline quality natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

The permittee shall maintain records of the following for Source ID 063:

- (1) Emission calculations performed to verify that each boiler of Source ID 063 is in compliance with the particulate matter, sulfur oxide, and volatile organic compound (VOC) emission limitations.
- (2) The amount of natural gas burned in each of the boilers of Source ID 063 each month.

These records shall be retained for a minimum of five years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.93 and 129.95]

The permittee shall maintain copies of the tune-up reports on each boiler of Source ID 063 in the station's files. At a minimum, the following shall be recorded for each such tune-up:

- (i) the date of the tune-up
- (ii) the name of the service company and technicians performing the tune-up
- (iii) a description of what steps were incorporated in the tune-up, what problems were found during the tune-up, if any, and what adjustments were made to the boiler(s)
- (iv) the final operating rate or load of the boiler(s)
- (v) the final nitrogen oxides (NOx) and carbon monoxide (CO) emission rates
- (vi) the final excess oxygen rate.

All tune-up records shall be retained for a minimum of five years and shall be made available to the Department upon request.

007 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

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

The permittee shall record each adjustment conducted under the procedures in § 129.97(b). This record must contain, at a minimum:

- (1) The date of the tuning procedure.
- (2) The name of the service company and the technician performing the procedure.
- (3) The final operating rate or load.
- (4) The final NOx and CO emission rates.
- (5) The final excess oxygen rate.
- (6) Other information required by the applicable operating permit.

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

**SECTION D. Source Level Requirements****# 008 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

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

The permittee shall comply with all applicable recordkeeping requirements specified in 40 CFR § 63.7555 and 40 CFR § 63.7560 pertaining to Source ID 063.

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

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

For each tune-up performed upon a boiler of Source ID 063, the permittee shall submit to the Department within 30 days of the date of the respective tune-up, a copy of the tune-up report for the respective tune-up.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]**Subpart A--General Provisions****Addresses of State air pollution control agencies and EPA Regional Offices.**

The submission of all requests, reports, applications, submittals and other communications required by the National Emissions Standards for Hazardous Air Pollutants (40 CFR Part 63) shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to:

Office of Enforcement and Compliance Assistance

Air Protection Division (3HW20)

U. S. EPA, Region III

1650 Arch Street

Philadelphia, PA 19103-2029

and

The Pennsylvania Department of Environmental Protection

Air Quality Program Manager

208 W. Third Street, Suite 101

Williamsport, PA 17701-6448

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

The permittee shall submit the required notifications specified in 40 CFR § 63.7545 pertaining to Source ID 063.

**SECTION D. Source Level Requirements****# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

The permittee shall submit all required reports specified in 40 CFR § 63.7550 pertaining to Source ID 063.

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 25 Pa. Code Sections 129.91 and 129.93]

The permittee shall perform an annual tune-up upon each boiler of Source ID 063 which, at a minimum, meets the criteria specified in 25 Pa. Code Section 129.93(b). This requirement shall also be considered as reasonably available control technology (RACT) for volatile organic compound (VOC) emissions for Source ID 063.

015 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(b)(1)]

The permittee shall perform a biennial tune-up conducted on each source incorporated into Source ID 063, in accordance with the procedures in 40 CFR 63.11223 (relating to how do I demonstrate continuous compliance with the work practice and management practice standards). The biennial tune-up must include, at a minimum, the following:

- (i) Inspection and cleaning or replacement of fuelburning equipment, including the burners and components, as necessary, for proper operation as specified by the manufacturer.
- (ii) Inspection of the flame pattern and adjustment of the burner, as necessary, to optimize the flame pattern to minimize total emissions of NOx and, to the extent possible, emissions of CO.
- (iii) Inspection and adjustment, as necessary, of the air-to-fuel ratio control system to ensure proper calibration and operation as specified by the manufacturer.

016 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

The permittee shall install, maintain, and operate each source incorporated into Source ID 063 in accordance with the manufacturer's specifications and with good operating practices for the control of volatile organic compounds.

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

At all times, the permittee shall operate and maintain Source ID 063, and any associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my initial compliance requirements and by what date must I conduct them?**

a) No later than 180 days after the compliance date of January 31, 2016, the permittee shall demonstrate compliance for Source ID 063 by completing an initial tune-up by following the procedures described in § 63.7540 and a one-time energy assessment as specified in Table 3 to 40 CFR Part 63 Subpart DDDDD.

b) Subsequent tune-ups shall be performed annually for Source ID 063.

**SECTION D. Source Level Requirements****# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**

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

When must I conduct subsequent performance tests or fuel analyses, or tune-ups?

Each annual tune-up specified in 40 CFR §63.7540(a)(10) must be no more than 13 months after the previous tune-up.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]

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

How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?

By the compliance date of January 31, 2016, the permittee shall demonstrate compliance with the emission limitations, fuel specifications, and work practice standards established for Source ID 063 in 40 CFR Part 63 Subpart DDDDD as specified in § 63.7530.

After the compliance date, the permittee shall demonstrate continuous compliance via the methods specified in 40 CFR § 63.7540.

VII. ADDITIONAL REQUIREMENTS.**# 021 [25 Pa. Code §127.441]**

Operating permit terms and conditions.

Source ID 063 consists of three 40 million BTU per hour (input) natural gas fired Superior Model DS-11-54 boilers.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]

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

Am I subject to this subpart?

(a) Source ID 063 is subject to 40 CFR Part 63 Subpart DDDDD - National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. Source ID 063 shall comply with all applicable requirements of Subpart DDDDD.

(b) Pursuant to 40 CFR § 63.7495, for Source ID 063 the compliance date for Subpart DDDDD is January 31, 2016.

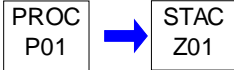
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P01

Source Name: FACILITY FUGITIVES

Source Capacity/Throughput:

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

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

(a) The total volatile organic compounds emissions from this source shall not equal or exceed 5.0 tons in any 12 consecutive month period.

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

II. TESTING REQUIREMENTS.

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

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

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

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

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

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

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

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

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

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

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

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

(a) Within 180 days from the issuance of this permit, the permittee shall establish and perform an annual Leak Detection

**SECTION D. Source Level Requirements**

and Repair (LDAR) program for the facility to determine any leaks that may occur and rectify the leak as soon as possible.

(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 any component that has potential fugitive emissions of methane, volatile organic compounds, or hazardous air pollutants, but not limited to valves, connectors, pressure relief device, open-ended lines, flanges, compressors, instruments, meters, covers, closed vent systems, storage vessels/storage tanks, and compressor seals. Any equipment or component that is designed to protect the equipment or safety of personnel is not considered a leak,

(3) Any leak detected during the LDAR inspection shall be repaired within 15 calendar days of detection unless:

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

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

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

(5) A leak for the LDAR program is defined as:

(i) Any visible emissions detected by an OGI camera calibrated according to 40 CFR § 60.18 and a detection sensitivity level of 60 grams/hour; or

(ii) A concentration of 500 ppm calibrated as methane or greater detected by an instrument reading.

(6) Once a fugitive emission component has been repaired or replaced, the owner or operator must resurvey the component as soon as practicable, but no later than 30 calendar days after the leak is repaired.

(i) A leak is considered repaired if:

(A) There are no detectable emissions consistent with Section 8.3.2 of 40 CFR Part 60, Appendix A-7, Method 21;

(B) A leak concentration of less than 500 ppm as methane is detected when the gas leak detector probe inlet is placed at the surface of the component;

(C) There is no visible leak image when using an OGI camera calibrated at a detection sensitivity level of 60 grams/hour; or

(D) There is no bubbling at the leak interface using a soap solution bubble test specified in Section 8.3.3 of 40 CFR Part 60, Appendix A-7, Method 21.

(7) 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 $\pm 0.2\%$.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

**SECTION D. Source Level Requirements**

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

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

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

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

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

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

The records generated during each calendar year pursuant to the Recordkeeping requirements for this source shall be submitted to the Department by March 1 of the following calendar year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

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

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

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: ENGINE 1 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

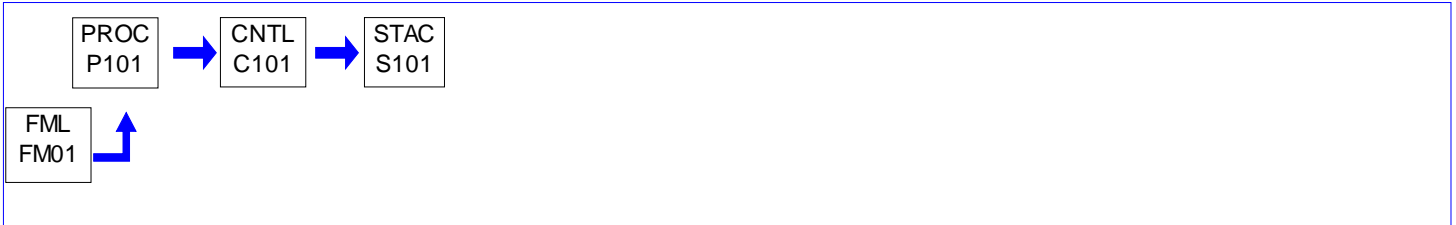
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P101-P111 (NOT P105,P107,P110)

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) 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 §129.100]****Compliance demonstration and recordkeeping requirements.**

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

SECTION D. Source Level Requirements

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

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

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

V. REPORTING REQUIREMENTS.

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.

004 [25 Pa. Code §129.97]

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

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

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P101 is a 1959 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#1) equipped with medium-pressure fuel injectors and an EmeraChem Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

(b) The NO_x emissions from Source ID P101 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: ENGINE 2 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

6

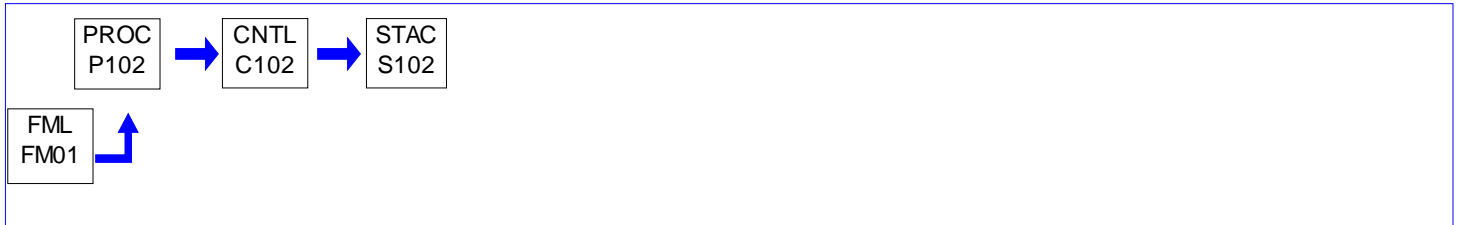
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P101-P111 (NOT P105,P107,P110)

P102,P103,P108,P109,P111RACT2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P102 is a 1959 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#2) equipped with medium-pressure fuel injectors and an EmeraChem

**SECTION D. Source Level Requirements**

Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

(b) The NOx emissions from Source ID P102 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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



SECTION D. Source Level Requirements

Source ID: P103 Source Name: ENGINE 3 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

6

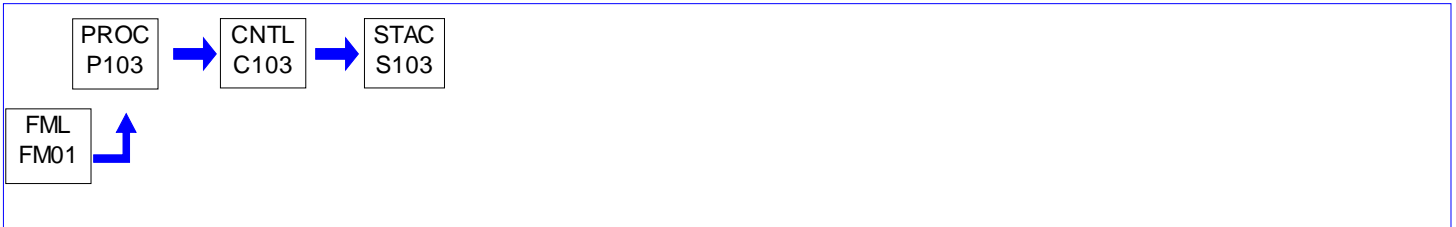
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P101-P111 (NOT P105,P107,P110)

P102,P103,P108,P109,P111RACT2



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P103 is a 1959 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#3) equipped with medium-pressure fuel injectors and an EmeraChem

**SECTION D. Source Level Requirements**

Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

(b) The NOx emissions from Source ID P103 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

SECTION D. Source Level Requirements

Source ID: P104

Source Name: ENGINE 4 (INGERSOLL RAND 1000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

3

6

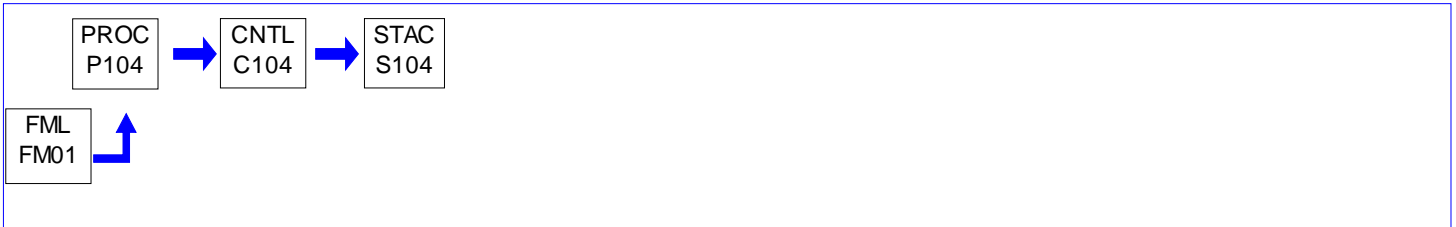
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P101-P111 (NOT P105,P107,P110)

P104-P106 RACT 2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P104 is a 1959 vintage, 9.9 MMBtu per hour, 1000 horsepower, model 36 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#4) equipped with medium-pressure fuel injectors and an EmeraChem

**SECTION D. Source Level Requirements**

Catalyst model EC-OX-PX-SQ-2400-2400-2910 oxidation catalyst.

(b) The NOx emissions from Source ID P104 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: ENGINE 5 (INGERSOLL RAND 1000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

3

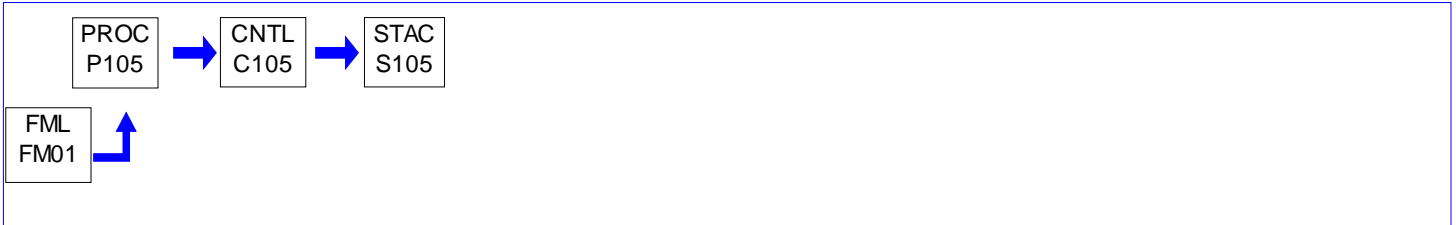
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P105 P110 RACT2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P105 is a 1959 vintage, 9.9 MMBtu per hour, 1000 horsepower, model 36 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#5) equipped with medium-pressure fuel injectors and an EmeraChem Catalyst model EC-OX-PX-SQ-2400-2400-2910 oxidation catalyst.

**SECTION D. Source Level Requirements**

(b) The NO_x emissions from Source ID P105 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

SECTION D. Source Level Requirements

Source ID: P106

Source Name: ENGINE 6 (INGERSOLL RAND 1000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

3

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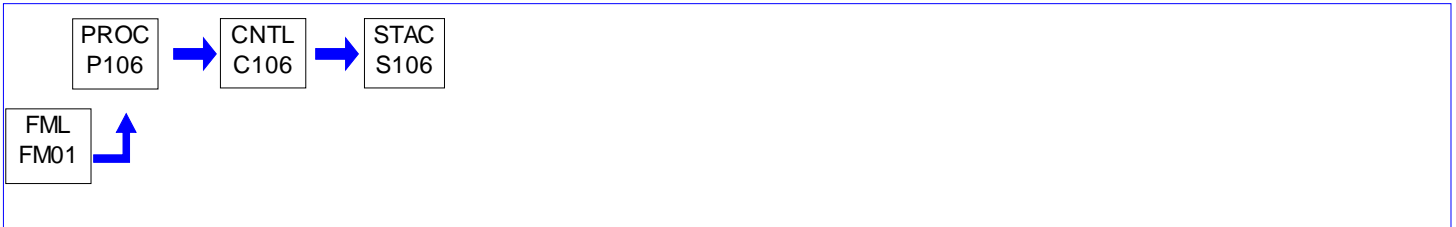
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P101-P111 (NOT P105,P107,P110)

P104-P106 RACT 2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P106 consists of a 1959 vintage, 9.9 MMBtu per hour, 1000 horsepower, model 36 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#6) equipped with medium-pressure fuel injectors and an

**SECTION D. Source Level Requirements**

EmeraChem Catalyst model EC-OX-PX-SQ-2400-2400-2910 oxidation catalyst.

(b) The NOx emissions from Source ID P106 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

**SECTION D. Source Level Requirements**

Source ID: P107

Source Name: ENGINE 7 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

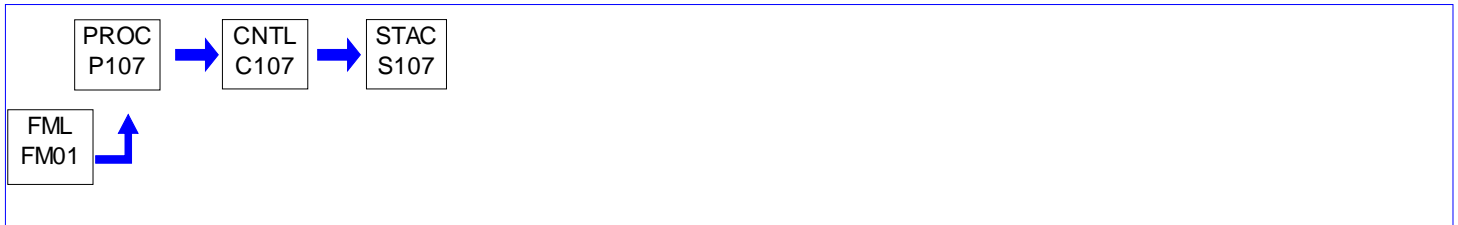
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P107

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P107 is a 1961 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#7) equipped with medium-pressure fuel injectors and an EmeraChem Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

**SECTION D. Source Level Requirements**

(b) The NO_x emissions from Source ID P107 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

SECTION D. Source Level Requirements

Source ID: P108

Source Name: ENGINE 8 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

6

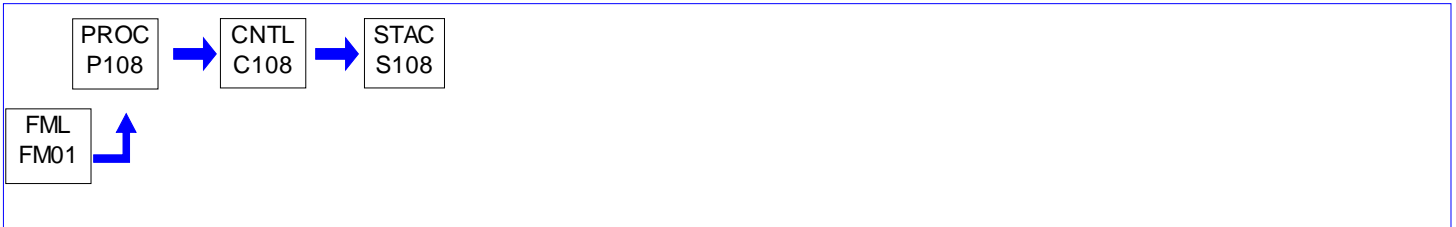
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P101-P111 (NOT P105,P107,P110)

P102,P103,P108,P109,P111RACT2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P108 is a 1961 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-ET, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#8) equipped with medium-pressure fuel injectors and an EmeraChem

**SECTION D. Source Level Requirements**

Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

(b) The NOx emissions from Source ID P108 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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



SECTION D. Source Level Requirements

Source ID: P109 Source Name: ENGINE 9 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

6

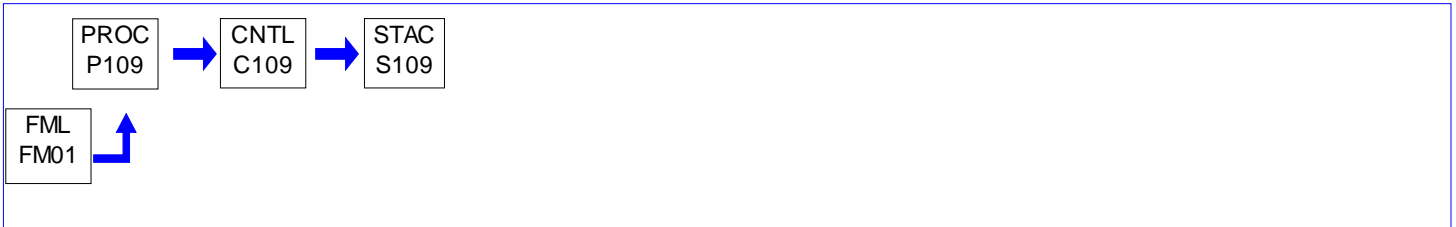
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P101-P111 (NOT P105,P107,P110)

P102,P103,P108,P109,P111RACT2



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P109 is a 1963 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-FT, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#9) equipped with medium-pressure fuel injectors and an EmeraChem

**SECTION D. Source Level Requirements**

Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

(b) The NOx emissions from Source ID P109 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

**SECTION D. Source Level Requirements**

Source ID: P110

Source Name: ENGINE 10 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

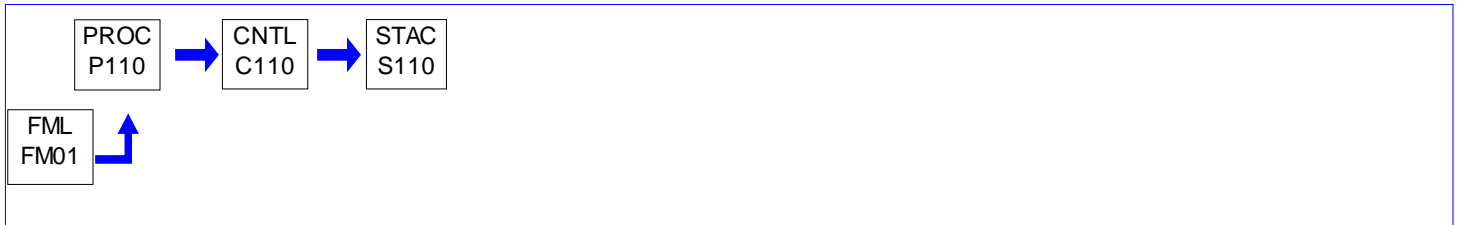
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P105 P110 RACT2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P110 is a 1963 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-FT, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#10) equipped with medium-pressure fuel injectors and an EmeraChem Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

**SECTION D. Source Level Requirements**

(b) The NO_x emissions from Source ID P110 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

SECTION D. Source Level Requirements

Source ID: P111

Source Name: ENGINE 11 (INGERSOLL RAND 2000 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

2

6

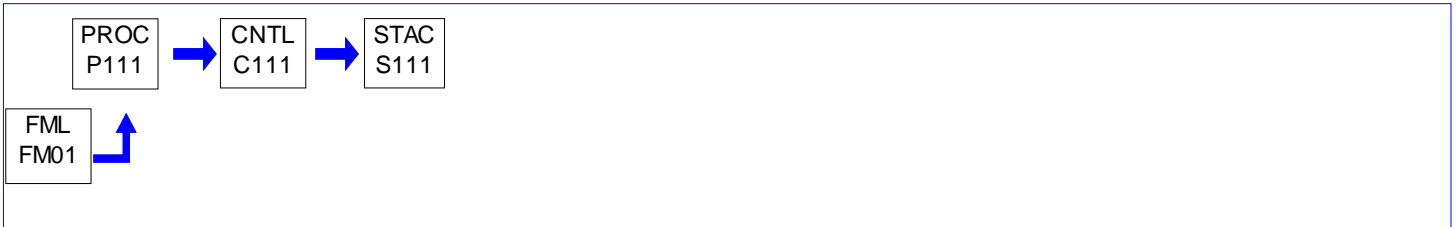
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P101-P111 (NOT P105,P107,P110)

P102,P103,P108,P109,P111RACT2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P111 is a 1965 vintage, 18.15 MMBtu per hour, 2000 horsepower, model 512 KVS-FT, Ingersoll Rand natural gas fired reciprocating internal combustion engine (#11) equipped with medium-pressure fuel injectors and an

**SECTION D. Source Level Requirements**

EmeraChem Catalyst model EC-OX-PX-SQ-3600-2400-2900 oxidation catalyst.

(b)The NOx emissions from Source ID P111 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

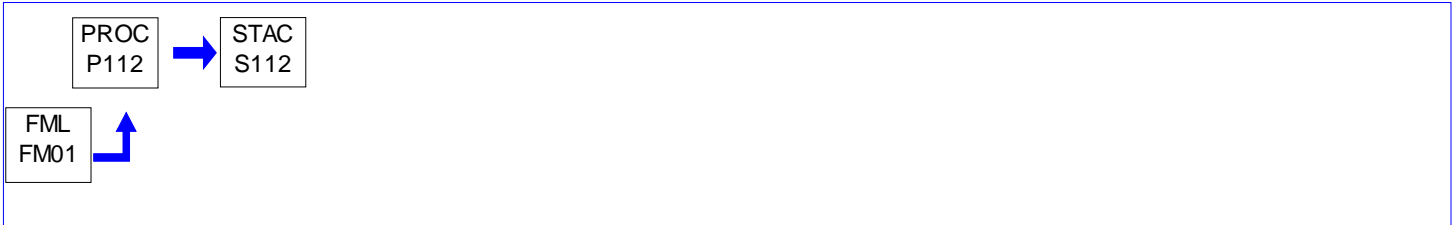
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P112 Source Name: ENGINE 12 (CLARK 3400 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1
 12
 6
 7
 8
 9
 P112-P113 RACT 2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P112 is a 1969 vintage, 28.05 MMBtu per hour, 3400 horsepower, model TCV-10, Clark, natural gas fired reciprocating internal combustion engine (#12) equipped with high-pressure fuel injectors.

**SECTION D. Source Level Requirements**

(b) The NO_x emissions from Source ID P112 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

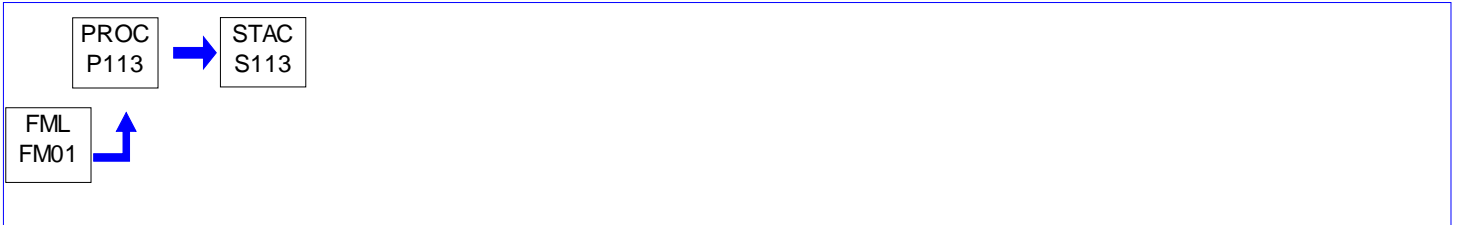
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P113 Source Name: ENGINE 13 (CLARK 3400 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 1
 12
 6
 7
 8
 9
 P112-P113 RACT 2

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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

(a) Source ID P113 is a 1969 vintage, 28.05 MMBtu per hour, 3400 horsepower, model TCV-10, Clark, natural gas fired reciprocating internal combustion engine (#13) equipped with high-pressure fuel injectors.

**SECTION D. Source Level Requirements**

(b) The NO_x emissions from Source ID P113 shall be controlled by a Dresser-Rand screw-in prechamber (SIP) system.

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

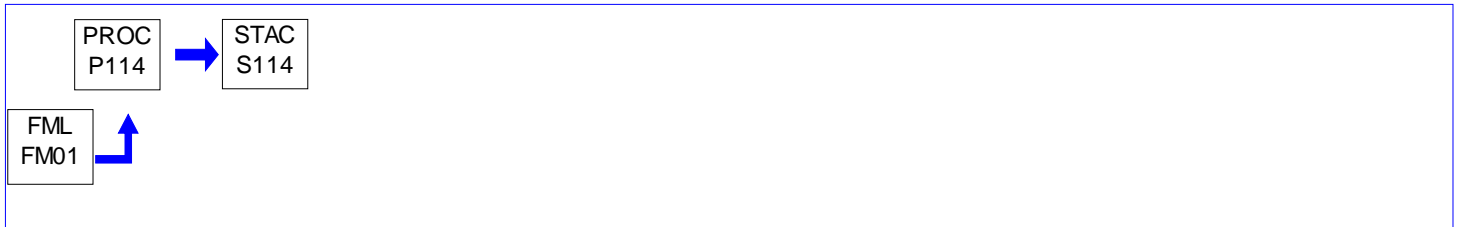
**SECTION D. Source Level Requirements**

Source ID: P114

Source Name: 2650 HP NAT. GAS FIRED GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12

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

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

The nitrogen oxide emissions from Source ID P114 shall not exceed 8.8 pounds/hour, the carbon monoxide emissions shall not exceed 9.4 pounds/hour and the volatile organic compound emissions shall not exceed 3.5 pounds/hour.

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

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

The volatile organic compound emissions from Source ID P114 shall not exceed 5.0 tons in any 12 consecutive month period.

003 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

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

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

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

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

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

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

The subject source shall only be fired on pipeline quality natural gas.

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

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

**SECTION D. Source Level Requirements**

Source ID P114 shall not be operated more than 2855 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID P114 shall be equipped with instrumentation to monitor speed, air manifold pressure, fuel manifold pressure and air manifold temperature. It shall additionally be equipped with instrumentation to monitor ignition timing should the Department ever determine that it desires such instrumentation.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.511 and 129.100(d)(1), (2), and (i)]

The permittee shall maintain records of the following for the Source ID P114

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

OR

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

- (i) The date, place, and time of sampling;
 - (ii) The date(s) analyses were performed;
 - (iii) The company or entity that performed the analyses;
 - (iv) The analytical techniques or methods used;
 - (v) The results of such analyses; and,
 - (vi) The operating conditions at the time of sampling or measurement.
- (d) The calculations performed to verify compliance with the particulate matter, sulfur oxides, nitrogen oxides, carbon monoxide, and volatile organic compounds emission limitations for Source ID P114.

SECTION D. Source Level Requirements

These records shall be retained for a minimum of five years and shall be presented to the Department upon request.

009 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

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

The calculations performed to verify compliance with the nitrogen oxides, carbon monoxide and volatile organic compounds emission limitations for the generator shall be submitted to the Department on a semi-annual basis. The records shall be submitted to the Department no later than September 1 (for January through June of the present year) and March 1 (for July through December of the previous year).

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

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

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

Source ID P114 is a 2650 horsepower, turbocharged Ajax-Superior model 16SGTB four-cycle lean burn natural gas-fired generator. The unit has an electronic air/fuel ratio control system that will automatically control the air manifold pressure over the generator's operating range.

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

SECTION D. Source Level Requirements

Source ID: P204

Source Name: 40HP AIR COMPRESSOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12
 15
 5
 ZZZZ

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

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

Source ID P204 shall not be operated in excess of 500 hours in any 12 consecutive month period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)(8)]

[Compliance with this condition assures compliance with 25 Pa Code Section 129.93]

The permittee shall never operate this source equal to or in excess of 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) 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 §129.100]****Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

**SECTION D. Source Level Requirements**

written request from the Department.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §129.97]

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

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

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P204 is a 40 horsepower natural-gas-fired Ford Model CSG-6491-6007-ZB air compressor.

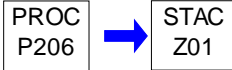
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P206

Source Name: 5 LIQUID STORAGE TANKS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The total combined volatile organic compound (VOC) emissions from Source ID P206 shall not exceed 3.39 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.

The permittee shall keep records of the vapor pressure of the contents of each tank of Source ID P206. These records shall be retained for a minimum of five years and be presented to the Department upon request.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of the calculations performed to verify compliance with the VOC emission limitation for Source ID P206. These records shall be retained for a minimum of five years and be presented to the Department upon request.

V. REPORTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit an annual report to the Department which verifies compliance with the VOC emission limitation from Source ID P206. This report is due March 1 each year.

VI. WORK PRACTICE REQUIREMENTS.

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

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

The permittee shall not store any VOC containing materials in any of the tanks of Source ID P206 that has a vapor pressure of greater than 1.5 psia under actual storage conditions.

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

Source ID P206 consists of the following tanks:

- a. Two 11,750 gallon lube oil storage tanks (A-2 and A-3)
- b. One 6,000 gallon ethylene glycol storage tank (B-1)
- c. one 1,000 gallon ethylene glycol storage tank (B-2)

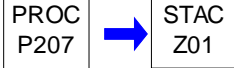
***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P207

Source Name: 6 LIQUID STORAGE TANKS

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

Each of the tanks associated with the subject source shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source ID P207 consists of four 10,000 gallon methanol storage tanks (C-1, C-2, C-3, and C-4), one 10,000 gallon distillate storage tank (D-3), and one 12,000-gallon gasoline tank (L-1).

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

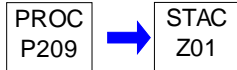
**SECTION D. Source Level Requirements**

Source ID: P209

Source Name: 13 FUEL GAS VENTS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 17

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P209 consists of 13 fuel gas vents at the Leidy station.

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



SECTION D. Source Level Requirements

Source ID: P210 Source Name: 13 CRANKCASE VENTS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 17



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P210 consists of 13 crankcase vents at the Leidy station.

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



SECTION D. Source Level Requirements

Source ID: P211 Source Name: 1 COOL WATER TANK VENT

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 17



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping 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).

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.

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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P211 is the cool water tank vent located at the Leidy station.

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

**SECTION D. Source Level Requirements**

Source ID: P212 Source Name: 40 HP WATER PUMP

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 12
15
5
ZZZZ

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

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

Source ID P212 shall not be operated in excess of 500 hours in any 12 consecutive month period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)(8)]

[Compliance with this condition assures compliance with 25 Pa Code Section 129.93]

The permittee shall never operate this source equal to or in excess of 500 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) 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 §129.100]****Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

**SECTION D. Source Level Requirements**

written request from the Department.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §129.97]

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

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

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P212 is a 40 horsepower gasoline fired Hercules Model G-339 fire water pump.

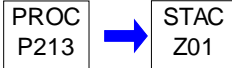
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P213

Source Name: ENGINE/COMPRESSOR TRANSITION VENTS

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The combined volatile organic compound emissions from the 15 engine / compressor transition section vents shall never exceed 4.1 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.

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

The permittee shall maintain records of the calculations performed used to verify compliance with the volatile organic compound emission limitations for the 15 engine/compressor transition section vents. These records shall be retained for a minimum of five years and be presented to the Department upon request.

V. REPORTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall annually submit to the Department (no later than March 1 for the previous year) records of the calculations performed to verify compliance with the VOC emission limitation for Source ID P213.

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.

**SECTION D. Source Level Requirements**

Source ID P213 consists of 15 engine/compressor transition section vents.

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

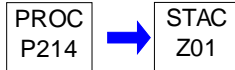
SECTION D. Source Level Requirements

Source ID: P214

Source Name: 2 EMERGENCY BLOW DOWNS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: P214 RACT2

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The combined volatile organic compound emissions from the Source ID P214 shall not exceed 6.3 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) 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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 127.511 and 129.100(d)(1), (2), and (i)]

The permittee shall maintain records of the calculations performed to verify compliance with the volatile organic compound emission limitations for the 2 emergency natural gas blowdowns. These records shall be retained for a minimum of 5 years and shall be presented to the Department upon request.

V. REPORTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall annually submit to the Department (no later than March 1 for the previous year) records of the calculations performed to verify compliance with the VOC emission limitation for Source ID P214.

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).

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

Source ID P214 consists of two emergency gas blow downs at the Leidy station.

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

SECTION D. Source Level Requirements

Source ID: P301

Source Name: 2 DIESEL ENGINES (KETTLE CREEK)

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission of particulate matter from the engines incorporated in Source P301 such 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

The permittee shall not permit the emission of sulfur oxides from the engines incorporated in Source P301 such that the concentration of sulfur oxides, expressed as sulfur dioxide (SO₂), in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less:**

The permittee shall limit the concentration of carbon monoxide (CO) in the exhaust to 230 ppmvd or less at 15 percent O₂.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The engines incorporated in Source P301 shall only be fired on virgin diesel fuel to which no reprocessed/recycled oil, waste oil or other waste materials have been added.

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from the permittee volunteering to comply with it]

The engines incorporated in Source P301 shall not be operated for more than a combined total of 750 hours in any 12 consecutive month period. In determining compliance with this condition, one engine operating for one hour shall be counted as one hour of operation whereas two engines operating simultaneously in a one hour period shall be counted as two hours of operation.

006 [25 Pa. Code §129.97]

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)(8)]

The permittee shall never operate each engine incorporated into this source equal to or in excess of 500 hours in any 12 consecutive month period.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6612]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake (please see below)**

The permittee shall comply with the applicable testing requirements specified in 40 CFR Section 63.6612(a).

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6620]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What performance tests and other procedures must I use?**

The permittee shall comply with the applicable testing requirements specified in 40 CFR Section 63.6620(a).

III. MONITORING REQUIREMENTS.**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I monitor and collect data to demonstrate continuous compliance?**

(b) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the permittee shall monitor continuously at all times that the stationary engine is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(c) The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The permittee shall, however, use all the valid data collected during all other periods.

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

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

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

(1) the volatile organic compounds on a monthly basis

(2) the number of hours each of the engines incorporated in Source P301 is operated during each month.

(b) All such records generated pursuant to this requirement shall be retained for at least five years and shall be made available to the Department upon request.

011 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

**SECTION D. Source Level Requirements**

written request from the Department.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

(a) The permittee shall comply with the emission and operating limitations, The permittee shall keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that you submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in 40 CFR §63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

(a) The permittee's records must be in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1).

(b) As specified in 40 CFR §63.10(b)(1), The permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR §63.10(b)(1).

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

The permittee shall, by March 1 of each year, submit a report to the Department which identifies the number of hours each of the engines incorporated in Source P301 operated during each month of the immediately-preceding January 1 through December 31 twelve month consecutive month period.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What notifications must I submit and when?**

(a) The permittee shall submit all of the notifications in 40 CFR §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified.

**SECTION D. Source Level Requirements**

(g) The permittee shall submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in §63.7(b)(1).

(h) The permittee shall submit a Notification of Compliance Status according to §63.9(h)(2)(ii).

(1) For each initial compliance demonstration required in Table 5 in 40 CFR Part 63 Subpart ZZZZ that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.

(2) For each initial compliance demonstration required in Table 5 in 40 CFR Part 63 Subpart ZZZZ that includes a performance test conducted according to the requirements in Table 3 in 40 CFR Part 63 Subpart ZZZZ, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to §63.10(d)(2).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]

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

What reports must I submit and when?

(a) The permittee shall submit each report in Table 7 in 40 CFR Part 63 Subpart ZZZZ that applies to you.

VI. WORK PRACTICE REQUIREMENTS.

017 [25 Pa. Code §129.97]

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

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

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

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

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

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

(h) The permittee shall 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 Table 2c in 40 CFR Part 63 Subpart ZZZZ.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source P301 consists of two 135 horsepower diesel fuel-fired Caterpillar Model 3056 Industrial engines located at the Kettle Creek Pumping Station used to power pumps which pump water to the Leidy Compressor Station.

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]

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

What is the purpose of subpart ZZZZ?

Source ID P301 is subject to the requirements of Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Sections 63.6580 - 63.6675. The permittee shall comply with all applicable requirements of 40 CFR Part 63 Subpart ZZZZ.

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

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

- (a) The permittee shall be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR Part 63 Subpart ZZZZ that apply to you at all times.
- (b) At all times the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6630]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate initial compliance with the emission limitations and operating limitations?**

- (a) The permittee shall demonstrate initial compliance with each emission limitation, operating limitation, and other requirement that applies to you according to Table 5 in 40 CFR Part 63 Subpart ZZZZ.
- (c) The permittee shall submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR §63.6645.

023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

- (b) The permittee shall report each instance in which you did not meet each emission limitation or operating limitation in Table 2c in 40 CFR Part 63 Subpart ZZZZ that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in 40 CFR §63.6650. If you change your catalyst, the permittee shall reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, the permittee shall also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary engine.
- (e) The permittee shall also report each instance in which you did not meet the requirements in Table 8 in 40 CFR Part 63 Subpart ZZZZ that apply to you.

024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of the General Provisions apply to me?**

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

Table 8 in 40 CFR Part 63 Subpart ZZZZ shows which parts of the General Provisions in 40 CFR §§63.1 through 63.15 apply to you.

*** Permit Shield in Effect. ***

**SECTION E. Source Group Restrictions.**

Group Name: 1

Group Description: full load and never to exceed NOx limits

Sources included in this group

ID	Name
P112	ENGINE 12 (CLARK 3400 HP)
P113	ENGINE 13 (CLARK 3400 HP)

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The nitrogen oxides (NOx, expressed as NO2) emissions from the subject engine shall not exceed the following limitations:

Full Load/Full Speed - 22.47 pounds per hour
 Never to be Exceeded at Any Time - 44.93 pounds per hour

Additionally, the emission of volatile organic compounds shall not exceed 6.0 pounds per hour.

The engine is not required to comply with these emission limits during engine startup and shutdown provided that the duration of startup of shutdown does not exceed one hour per occurrence.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 12

Group Description: 123.13 & 123.21

Sources included in this group

ID	Name
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)
P112	ENGINE 12 (CLARK 3400 HP)
P113	ENGINE 13 (CLARK 3400 HP)
P114	2650 HP NAT. GAS FIRED GENERATOR
P204	40HP AIR COMPRESSOR
P212	40 HP WATER PUMP

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

No person shall permit the emission of particulate matter from the subject source into the outdoor atmosphere 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**

The permittee may not permit the emission from the subject source into the outdoor atmosphere in a manner that the concentration of the sulfur oxides (SOX), expressed as SO₂, 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).

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).

**SECTION E. Source Group Restrictions.****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 E. Source Group Restrictions.**

Group Name: 15

Group Description: record hours, fuel type & calc

Sources included in this group

ID	Name
P204	40HP AIR COMPRESSOR
P212	40 HP WATER PUMP

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.511 and 129.100(d)(1), (2), and (i)]

The permittee shall maintain records of the following for the subject source:

- (a) The number of hours operated per month.
- (b) The amount of fuel consumed per month.
- (c) The calculations performed to verify compliance with the particulate matter and sulfur oxides emission limitations for the subject source.

These records shall be retained for a minimum of five years and be presented to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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 E. Source Group Restrictions.**

Group Name: 17

Group Description: 3lb-15lb-2.7ton

Sources included in this group

ID	Name
P209	13 FUEL GAS VENTS
P210	13 CRANKCASE VENTS
P211	1 COOL WATER TANK VENT

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The potential to emit volatile organic compounds from the following source category shall never exceed 3 pounds per hour, 15 pounds per day or 2.7 tons for any 12 consecutive month period. Should any of these limitations ever be exceeded a detailed RACT analysis which meets the criteria specified in Section 129.92 of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection must be submitted to the Department for each source contained in this source category.

The source category includes 13 fuel gas vents (Source ID P209), 13 crankcase vents (Source ID P210), and 1 cooling water tank vent (Source ID P211).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 2

Group Description: full load & never to exceed NOX limits

Sources included in this group

ID	Name
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The nitrogen oxides (NO_x, expressed as NO₂) emissions from the subject engine shall not exceed the following limitations:

Full Load/Full Speed - 13.22 pounds per hour

Never to be Exceeded at Any Time - 26.43 pounds per hour

Additionally, the emission of volatile organic compounds shall not exceed 7.26 pounds per hour.

The engine is not required to comply with these emission limits during engine startup and shutdown provided that the duration of startup or shutdown does not exceed one hour per occurrence.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 3

Group Description: Full load and never to exceed NOX limits

Sources included in this group

ID	Name
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The nitrogen oxides (NO_x, expressed as NO₂) emissions from the subject engine shall not exceed the following:

Full Load/Full Speed - 6.61 pounds per hour

Never to be Exceeded at Any Time - 13.22 pounds per hour

Additionally, the emission of volatile organic compounds from the subject source shall not exceed 3.63 pounds per hour.

The engine is not required to comply with these emission limits during engine startup and shutdown provided that the duration of startup or shutdown does not exceed one hour per occurrence.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 5

Group Description: No more than 500 hrs & in accordance

Sources included in this group

ID	Name
P204	40HP AIR COMPRESSOR
P212	40 HP WATER PUMP

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.

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

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

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 6

Group Description: Testing, records, & report

Sources included in this group

ID	Name
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)
P112	ENGINE 12 (CLARK 3400 HP)
P113	ENGINE 13 (CLARK 3400 HP)

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

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

Prior to December 31, 2023, the permittee shall perform stack testing on the subject source for nitrogen oxides (NO_x, expressed as NO₂), carbon monoxide, volatile organic compounds and non-methane hydrocarbons using reference method test procedures acceptable to the Department. All testing is to be performed while the respective engines are operating at full load and full speed and in accordance with the Testing Requirements specified in Section C, Site Level Requirements, of this Title V operating permit.

III. MONITORING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code 127.511 and 129.100(d)(1), (2), and (i)]

The permittee shall maintain records of the following for the subject engine:

- (a) Stack test reports
- (b) Portable analyzer test reports
- (c) The calculations performed to verify compliance with the particulate matter, sulfur oxides, carbon monoxide, nitrogen oxides, and volatile organic compound emission limitations for the subject.
- (d) The gas quality characteristics in a current, valid purchase contract, tariff sheet, transportation contract for the fuel or other data compiled by the gas pipeline company, specifying the maximum total sulfur content of the fuel and verifying that

SECTION E. Source Group Restrictions.

the fuel is pipeline quality natural gas.

OR

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

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

These records shall be retained for a minimum of five years and be presented to the Department upon request.

V. REPORTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall submit to the Department on a semi-annual basis records of the following for the subject engine:

- (1) The number of hours operated per month.
- (2) The calculations performed to verify compliance with the nitrogen oxides, carbon monoxides and volatile organic compound emission limitations for the subject engine.

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

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 7

Group Description: Portable analyzer, Must submit analyzer results

Sources included in this group

ID	Name
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)
P112	ENGINE 12 (CLARK 3400 HP)
P113	ENGINE 13 (CLARK 3400 HP)

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

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

In addition to the stack testing which is required by this permit, the permittee shall perform semi-annual nitrogen oxides (NO_x) and carbon monoxide (CO) tests upon the subject source using a portable exhaust gas analyzer which has been approved by the Department. This testing shall be performed during the periods of March 1 through May 31 and September 1 through November 30. The reference method stack testing may be substituted for the portable analyzer testing required by this condition on a one-for-one basis (one occurrence of reference method testing may be substituted for one of the every-6-months occurrences of portable analyzer testing).

III. MONITORING REQUIREMENTS.

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

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

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

The results of all portable exhaust gas analyzer tests shall be submitted to the Department within 30 days of test performance.

**SECTION E. Source Group Restrictions.****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 E. Source Group Restrictions.**

Group Name: 8

Group Description: records in accord with 129.95

Sources included in this group

ID	Name
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)
P112	ENGINE 12 (CLARK 3400 HP)
P113	ENGINE 13 (CLARK 3400 HP)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

The permittee shall maintain records in accordance with the recordkeeping requirements of 25 Pa. Code Section 129.95 which, at a minimum, shall include:

- (1) The number of hours that the engine is operated per month.
- (2) The amount of fuel used in the engine per month.

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 E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 9

Group Description: fire only on pipeline gas

Sources included in this group

ID	Name
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)
P112	ENGINE 12 (CLARK 3400 HP)
P113	ENGINE 13 (CLARK 3400 HP)

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The subject source shall only be fired on pipeline quality natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: P101-P111 (NOT P105,P107,P110)
 Group Description: oxidation catalyst testing and monitoring
 Sources included in this group

ID	Name
P101	ENGINE 1 (INGERSOLL RAND 2000 HP)
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)

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.**

[Additional authority for this permit condition is derived from the Request for Determination authorized August 14, 2018]

(a) The permittee shall continuously monitor and record (15-minute intervals with 1-hour averages) the catalyst inlet temperature for the oxidation catalyst to verify that the temperature shall not be less than 500 degrees Fahrenheit. An alarm shall be triggered immediately if the inlet temperature falls below this temperature (except during startup or shutdown).

(b) The records generated pursuant to this permit condition shall be kept for 5 years and provided to the Department upon request.

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

[Additional authority for this permit condition is derived from the Request for Determination authorized August 14, 2018]

(a) The permittee shall continuously monitor and record (15-minute intervals with 1-hour averages) the differential pressure across the oxidation catalyst to verify that the differential pressure shall not exceed +/-2" inches of water column from the baseline pressure differential inches of water. An alarm shall be triggered immediately if the differential pressure is outside any of the above limits (except during startup or shutdown). The baseline pressure differential will be established based upon the recorded data and the stack testing.

(b) The records generated pursuant to this permit condition shall be kept for 5 years and provided to the Department upon request.

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).

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

The oxidation catalyst shall be operated and maintained in accordance with manufacturer specifications and good air pollution control practices and as proposed in the Request for Determination authorized August 14, 2018.

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: P102,P103,P108,P109,P111RACT2

Group Description:

Sources included in this group

ID	Name
P102	ENGINE 2 (INGERSOLL RAND 2000 HP)
P103	ENGINE 3 (INGERSOLL RAND 2000 HP)
P108	ENGINE 8 (INGERSOLL RAND 2000 HP)
P109	ENGINE 9 (INGERSOLL RAND 2000 HP)
P111	ENGINE 11 (INGERSOLL RAND 2000 HP)

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

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

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

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

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

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §129.97]

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

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

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: P104-P106 RACT 2

Group Description:

Sources included in this group

ID	Name
P104	ENGINE 4 (INGERSOLL RAND 1000 HP)
P106	ENGINE 6 (INGERSOLL RAND 1000 HP)

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

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

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

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

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: P105 P110 RACT2

Group Description: RACT 2 and oxidation catalyst testing and monitoring

Sources included in this group

ID	Name
P105	ENGINE 5 (INGERSOLL RAND 1000 HP)
P110	ENGINE 10 (INGERSOLL RAND 2000 HP)

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

The permittee shall comply with this emission limitation within 180 days of start up after its scheduled maintenance but not later than August 24, 2021.

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(k)(2)(v)]

The permittee shall perform stack testing to demonstrate compliance with the volatile organic compounds (excluding formaldehyde) emission limitation of 25 Pa. Code Section 129.97(g)(3)(i)(B) within 180 days of start up after its scheduled maintenance but not later than August 24, 2021. All testing is to be performed using reference method test procedures acceptable to the Department while the respective engine is operating at full load and full speed. The testing shall be conducted in accordance with the testing requirements specified in Section C of this Title V operating permit.

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

[Additional authority for this permit condition is derived from the Request for Determination authorized August 14, 2018]

(a) The permittee shall continuously monitor and record (15-minute intervals with 1-hour averages) the differential pressure across the oxidation catalyst to verify that the differential pressure shall not exceed +/-2" inches of water column from the baseline pressure differential inches of water. An alarm shall be triggered immediately if the differential pressure is outside any of the above limits (except during startup or shutdown). The baseline pressure differential will be established based upon the recorded data and the stack testing.

(b) The records generated pursuant to this permit condition shall be kept for 5 years and provided to the Department upon request.

**SECTION E. Source Group Restrictions.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the Request for Determination authorized August 14, 2018]

(a) The permittee shall continuously monitor and record (15-minute intervals with 1-hour averages) the catalyst inlet temperature for the oxidation catalyst to verify that the temperature shall not be less than 500 degrees Fahrenheit. An alarm shall be triggered immediately if the inlet temperature falls below this temperature (except during startup or shutdown).

(b) The records generated pursuant to this permit condition shall be kept for 5 years and provided to the Department upon request.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

V. REPORTING REQUIREMENTS.

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

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

The oxidation catalyst shall be operated and maintained in accordance with manufacturer specifications and good air pollution control practices and as proposed in the Request for Determination authorized August 14, 2018.

008 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: P107

Group Description: RACT 2 and oxidation catalyst testing and monitoring

Sources included in this group

ID	Name
P107	ENGINE 7 (INGERSOLL RAND 2000 HP)

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

The permittee shall comply with this emission limitation within 180 days of completion of the oxidation catalyst update but not later than 3 years from the date of this significant modification issuance.

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(k)(2)(v)]

The permittee shall perform stack testing to demonstrate compliance with the volatile organic compounds (excluding formaldehyde) emission limitation of 25 Pa. Code Section 129.97(g)(3)(i)(B) within 180 days of completion of the oxidation catalyst update but not later than 3 years from the date of this significant modification issuance. All testing is to be performed using reference method test procedures acceptable to the Department while the respective engine is operating at full load and full speed. The testing shall be conducted in accordance with the testing requirements specified in Section C of this Title V operating permit.

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

[Additional authority for this permit condition is derived from the Request for Determination authorized August 14, 2018]

(a) The permittee shall continuously monitor and record (15-minute intervals with 1-hour averages) the catalyst inlet temperature for the oxidation catalyst to verify that the temperature shall not be less than 500 degrees Fahrenheit. An alarm shall be triggered immediately if the inlet temperature falls below this temperature (except during startup or shutdown).

(b) The records generated pursuant to this permit condition shall be kept for 5 years and provided to the Department upon request.

**SECTION E. Source Group Restrictions.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the Request for Determination authorized August 14, 2018]

(a) The permittee shall continuously monitor and record (15-minute intervals with 1-hour averages) the differential pressure across the oxidation catalyst to verify that the differential pressure shall not exceed +/-2" inches of water column from the baseline pressure differential inches of water. An alarm shall be triggered immediately if the differential pressure is outside any of the above limits (except during startup or shutdown). The baseline pressure differential will be established based upon the recorded data and the stack testing.

(b) The records generated pursuant to this permit condition shall be kept for 5 years and provided to the Department upon request.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

V. REPORTING REQUIREMENTS.

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

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

The oxidation catalyst shall be operated and maintained in accordance with manufacturer specifications and good air pollution control practices and as proposed in the Request for Determination authorized August 14, 2018.

008 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: P112-P113 RACT 2

Group Description:

Sources included in this group

ID	Name
P112	ENGINE 12 (CLARK 3400 HP)
P113	ENGINE 13 (CLARK 3400 HP)

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

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

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

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

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

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

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

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

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

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: P214 RACT2

Group Description:

Sources included in this group

ID	Name
P214 2	EMERGENCY BLOW DOWNS

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)(2)]

[Compliance with this condition assures compliance with 25 Pa Code Section 129.91]

The potential to emit volatile organic compounds shall never equal or exceed 2.7 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 §129.100]****Compliance demonstration and recordkeeping requirements.**

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

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

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

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

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

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

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: ZZZZ

Group Description: ZZZZ

Sources included in this group

ID	Name
P204	40HP AIR COMPRESSOR
P212	40 HP WATER PUMP

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 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

(a) The permittee shall comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that you submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in 40 CFR §63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(d) The permittee shall keep the records required in Table 6 in 40 CFR Part 63 Subpart ZZZZ to show continuous compliance with each emission or operating limitation that applies to you.

(e) The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

(a) The permittee's records must be in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1).

**SECTION E. Source Group Restrictions.**

(b) As specified in 40 CFR §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR §63.10(b)(1).

V. REPORTING REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6630]

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

How do I demonstrate initial compliance with the emission limitations and operating limitations?

(c) The permittee shall submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR §63.6645.

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

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

What notifications must I submit and when?

(a) The permittee shall submit all of the notifications in 40 CFR §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified.

VI. WORK PRACTICE REQUIREMENTS.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

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

What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

The permittee shall:

(a) Change oil and filter every 1,440 hours of operation or annually, whichever comes first;

(b) Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first, and replace as necessary; and

(c) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

(e) The permittee shall operate and maintain the stationary engine according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(h) The permittee shall 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 Table 2c in 40 CFR Part 63 Subpart ZZZZ.

(j) The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c in 40 CFR Part 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c in 40 CFR Part 63 Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in

**SECTION E. Source Group Restrictions.**

operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

The permittee shall provide written notification to the Department stating your intent to utilize the oil analysis program prior to utilizing the oil analysis program.

VII. ADDITIONAL REQUIREMENTS.**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What is the purpose of subpart ZZZZ?**

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

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

(a) The permittee shall be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR Part 63 Subpart ZZZZ that apply to you at all times.

(b) At all times the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) The permittee shall demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Table 2c in 40 CFR Part 63 Subpart ZZZZ that apply to you according to methods specified in Table 6 in 40 CFR Part 63 Subpart ZZZZ. Table 6 in 40 CFR Part 63 Subpart ZZZZ requires:

i. Operating and maintaining the stationary engine according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) The permittee shall report each instance in which you did not meet each emission limitation or operating limitation in Table 2c in 40 CFR Part 63 Subpart ZZZZ that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in 40 CFR §63.6650.

(e) The permittee shall also report each instance in which you did not meet the requirements in Table 8 in 40 CFR Part 63 Subpart ZZZZ that apply to you.

**SECTION E. Source Group Restrictions.**

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

What parts of the General Provisions apply to me?

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

Table 8 in 40 CFR Part 63 Subpart ZZZZ shows which parts of the General Provisions in 40 CFR §§63.1 through 63.15 apply to you.

***** 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.

Dominion Transmission shall not under any circumstances reinstall any of the three 1959 vintage Worthington model SLHP-8 natural gas fired auxiliary Generators that were removed from the site. This condition is needed so that the emission reductions claimed by CNG, now Dominion, for the removal of the sources can meet the requirements of 25 Pa. Code Section 127.207(i)(ii) and (iv)

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

- (1) One 8,000 gallon waste oil storage tank (E-1)
- (2) One 3,000 gallon waste oil storage tank (E-2)
- (3) One 6000 gallon produced fluids UST (I-3)
- (4) A gas blowdown unit that serves the dehydration system
- (5) two 600 gallon waste oil (UST) tanks (E-3 and E-4)
- (6) two 1000 gallon waste oil tanks (E-5 and E-6)
- (7) one 2967 gallon pipeline fluids tank AST (P-1)
- (8) one 0.295 MMBtu/hr natural-gas fired Pennco Model 15B295FV boiler
- (9) one 8000 gallon lube oil tank (A-1)
- (10) one 1000 gallon diesel tank (M-1)
- (11) one 1500 gallon ethylene glycol fluids tank (B-3)
- (13) two 25,000 gallon produced fluids tanks (I-1 and I-2)
- (14) one 0.04 MMBtu/hr natural-gas fired American Water Heater Co., model G62-75T754NV hot water tank
- (15) one 0.18 MMBtu/hr natural gas-fired Rinnai, model BFG61405403NOV hot water tank
- (16) one 0.10 MMBtu/hr natural-gas fired Bruest model HC-100 boiler
- (17) one 879 gallon waste oil tank (E-8)
- (18) one 275 gallon lube oil tank (A-4)
- (19) one 2967 gallon produced fluids tank (I-4)
- (20) one 2000 gallon brine storage tank (R-004A)
- (21) metering and regulation equipment authorized via RFD on February 23, 2018.
- (22) one 500-gallon horizontal atmospheric tank
- (23) one new filter separator

**SECTION H. Miscellaneous.**

Revision #1: This operating permit was modified on December 10, 2007, in accordance with the minor operating permit modification requirements of 25 Pa. Code Section 127.462, to add a new source (Source P301) to the operating permit.

Revision #2: This operating permit was modified on June 30, 2011, in accordance with the administrative amendment requirements of 25 Pa. Code Section 127.450, to revise the stack testing deadlines for Source IDs P101 through P113.

Revision #3: This operating permit was modified on August 24, 2018, pursuant to the significant operating permit modification requirements of 25 Pa. Code Section 127.541 for incorporation of Reasonable Available Control Technology (RACT II) requirements specified in 25 Pa. Code §§ 129.96—129.100.

Revision #4: This operating permit was modified on May 29, 2019, via minor modification requirements of 25 Pa. Code Section 127.462 to allow for fuel tariff documentation or contract to verify the sulfur content of the fuel used in Sources P101 through P114. Additionally, the compliance date deadlines for P105 and P110 were revised to require compliance within 180 days of start up after scheduled maintenance.

Revision #5: This operating permit was modified on November 22, 2019, via administrative amendment requirements of 25 Pa. Code Section 127.450 to update the responsible official and permit contact.



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