



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

TITLE V/STATE OPERATING PERMIT

Issue Date:	June 23, 2021	Effective Date:	June 27, 2023
Revision Date:	June 27, 2023	Expiration Date:	May 31, 2026
Revision Type:	Amendment		

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

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

TITLE V Permit No: 27-00015

Federal Tax Id - Plant Code: 74-1056569-3

Owner Information

Name: KINDER MORGAN INC
Mailing Address: 1001 LOUISIANA ST STE 1000
HOUSTON, TX 77002-5089

Plant Information

Plant: TENNESSEE GAS PIPELINE/MARIENVILLE STA 307
Location: 27 Forest County 27905 Howe Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: RONALD F MILLER
Title: DIRECTOR - OPERATIONS
Phone: (724) 662 - 6422 Email: Ron_Miller@kindermorgan.com

Permit Contact Person

Name: LYLE ZEKE ZERINGUE
Title: SENIOR EHS ENGINEER
Phone: (713) 420 - 6294 Email: Lyle_Zeringue@kindermorgan.com

[Signature] _____
ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



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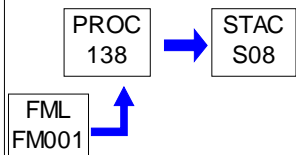
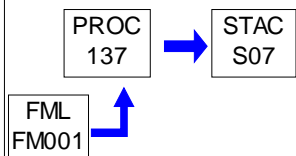
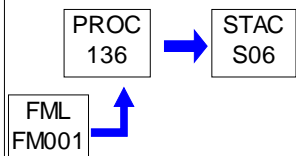
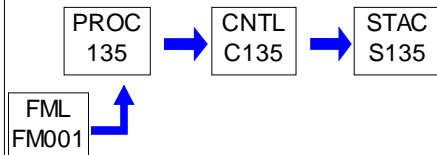
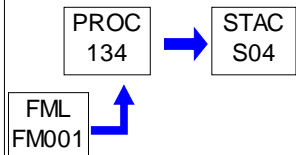
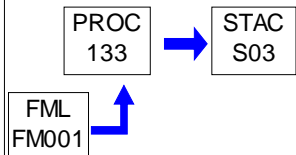
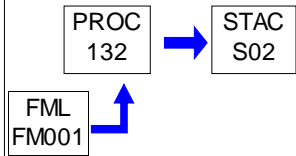
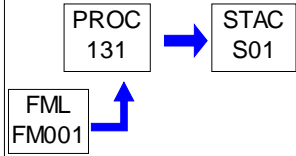
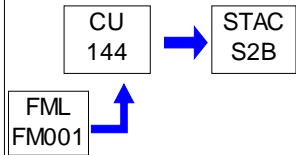
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
144	2B BOILER	1.040 MMBTU/HR	
		1.040 MCF/HR	Natural Gas
131	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 1, SN 412ET273	18.000 MCF/HR	Natural Gas
132	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 2, SN 412ET272	18.000 MCF/HR	Natural Gas
133	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 3, SN 412ET271	18.000 MCF/HR	Natural Gas
134	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 4, SN 412ET305	18.000 MCF/HR	Natural Gas
135	3500 BHP, WORTHINGTON ML-12, ENG NO 5, SN G2667	30.000 MCF/HR	Natural Gas
136	4000 BHP, CLARK TVC-10C, ENG NO 6, SN 107038	34.000 MCF/HR	Natural Gas
137	A1AUX 408 HP ELEC POWER GENERATING ENGINE	4.480 MCF/HR	Natural Gas
138	A2AUX 370 HP ELEC POWER GENERATING ENGINE	4.060 MCF/HR	Natural Gas
139	COMBINE MISC. NATURAL GAS SOURCES		
140	DEGREASER UNITS (2)	N/A	
301	TANKS/VESSELS	N/A	
601	VENTING / BLOWDOWNS	N/A	
701	FUGITIVES	N/A	
801	PIGGING OPERATIONS	N/A	
C135	LOW EMISSION COMBUSTION		
FM001	TENNESSEE GAS PIPELINE CO LLC/MARIENVILLE STA 307		
S01	A1C STACK		
S02	A2C STACK		
S03	A3C		
S04	A4C		
S06	A6C		
S07	A1AUX STACK		
S08	A2AUX STACK		
S09	MISC. GAS STACK		
S135	OXIDIATION CATALYST STACK		
S2B	2B STACK		
Z10	DEGREASER FUGITIVES		
Z301	TANKS/VESSELS FUGITIVES		
Z601	VENTING / BLOWDOWNS STACK		
Z701	FUGITIVES		
Z801	PIGGING OPERATIONS FUGITIVES		

PERMIT MAPS

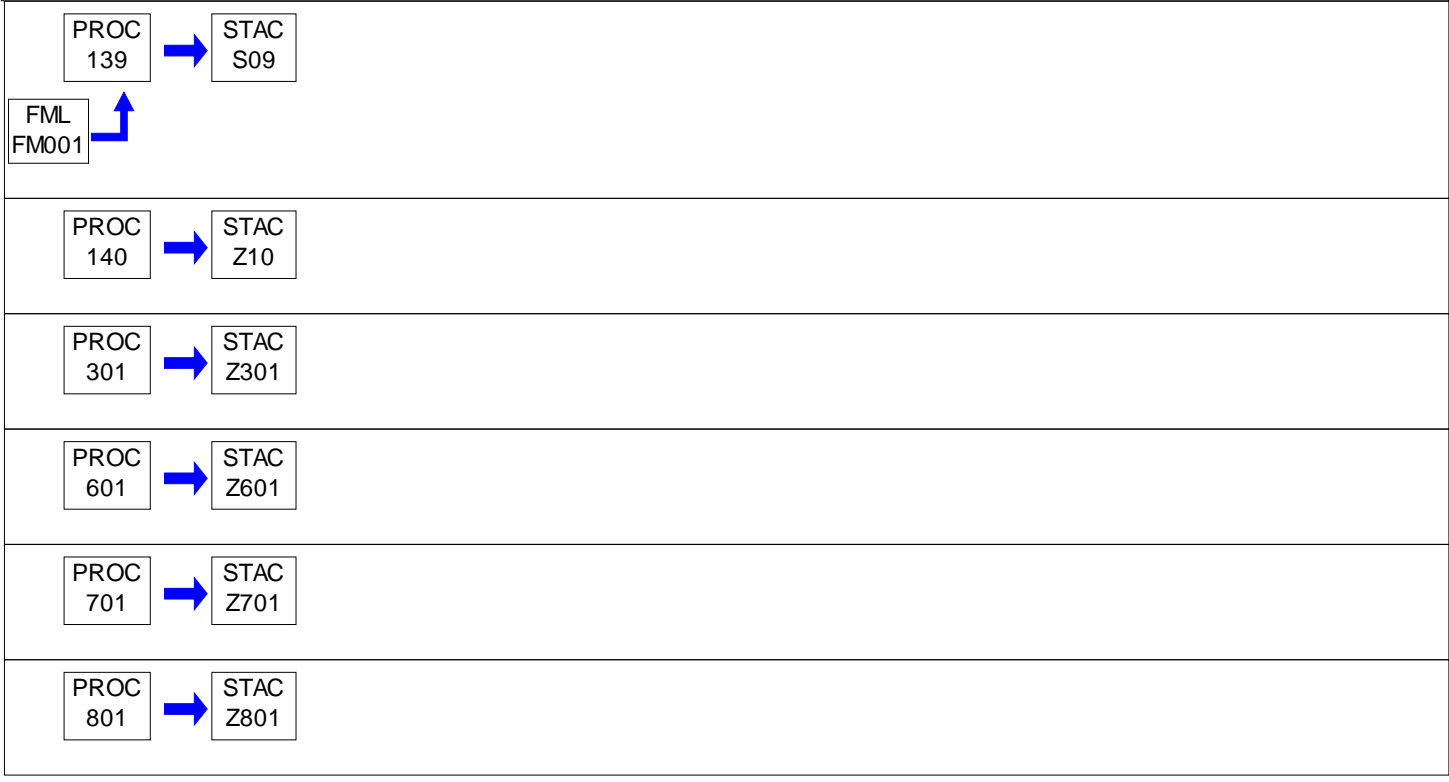


PERMIT MAPS





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.

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant 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) [For open burning operations, refer to 25 Pa. Code § 129.14.]
- (7) - (8) [Not Applicable]
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution.
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.
- (b) An application form for requesting a determination under either subsection (a)(9) or § 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and § 123.2 (relating to fugitive particulate matter) or of the requirements of § 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.
- (c) [See VI. Work Practice Requirements in this section]
- (d) [Not Applicable]

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

A person shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in § 123.1(a)(1) - (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]**Limitations**

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

**SECTION C. Site Level Requirements****# 004 [25 Pa. Code §123.41]****Limitations**

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

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

005 [25 Pa. Code §123.42]**Exceptions**

The limitations of § 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in § 123.1(a)(1) - (9) (relating to prohibition of certain fugitive emissions).
- (4) [Not Applicable]

006 [25 Pa. Code §129.14]**Open burning operations**

(a) AIR BASINS. [Not Applicable]

(b) OUTSIDE OF AIR BASINS. No person may permit the open burning of material in an area outside of air basins in a manner that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(c) EXCEPTIONS. The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) - (5) [Not Applicable]
- (6) A fire set solely for recreational or ceremonial purposes.

**SECTION C. Site Level Requirements**

(7) A fire set solely for cooking food.

(d) CLEARING AND GRUBBING WASTES. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

AIR CURTAIN DESTRUCTOR - A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

CLEARING AND GRUBBING WASTES - Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) [Not Applicable]

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.]

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or compliance with any applicable emission limitations.

III. MONITORING REQUIREMENTS.

008 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

009 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

(a) The permittee shall conduct weekly monitoring of the facility property, during daylight hours while the facility is in operation, to observe for the presence of fugitive emissions and visible emissions being emitted into the outdoor atmosphere.

(b) All detected fugitive and visible emissions shall be reported to the shift supervisor.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain a record of the monitoring conducted to determine the presence of fugitive and visible emissions.

(b) This recordkeeping shall contain a listing or notation of any and all sources of fugitive and visible emissions; the cause of the fugitive or visible emissions; duration of the emission; and the corrective action taken to abate the deviation and prevent future occurrences.

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

(a) Beginning with the compliance date specified in § 129.97(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable NOx emission rate threshold specified in § 129.99(b) and the requirements of § 129.97 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.]

(b) Beginning with the compliance date specified in § 129.97(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable VOC emission rate threshold specified in § 129.99(c) and the requirements of § 129.97 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

[Paragraphs (a) & (b) of this condition are § 129.100(e) & (f), respectively.]

[Applies to Sources 139, 144, 301, 601, 701, & 801. The renewal Title V operating permit application received by the Department on September 25, 2020 can serve as records to demonstrate exemption of these sources from RACT II.]

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

The company, within one (1) hour of occurrence shall notify the Department, at (814) 332-6940, of any malfunction of the source(s) or associated air cleaning device(s) which results in, or may possibly be resulting in, the emission of air contamination in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within two working days following the incident describing the malfunction and corrective actions taken.

[Authority for this permit condition is also derived from 25 Pa. Code § 129.91. RACT Operating Permit No. OP27-015, Condition No. 14.]

013 [25 Pa. Code §135.21]**Emission statements**

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

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

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

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

**SECTION C. Site Level Requirements**

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

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in Section C, Condition #001 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

[25 Pa. Code § 123.1(c)]

VII. ADDITIONAL REQUIREMENTS.**# 015 [25 Pa. Code §127.14]****Exemptions.**

(a) The permittee may replace an existing engine (as described in this permit) due to breakdown or malfunction, temporarily for up to six (6) months, if the replacement equipment meets any of the following:

- (1) The replacement equipment is identical to the existing engine. Identical means the manufacturer, model number, horsepower rating and emissions are identical.
- (2) The replacement equipment is not identical to the existing engine, meaning the manufacturer, model number or horsepower may differ from the original. The replacement of the existing engines with non-identical equipment is authorized only if the emissions of each regulated pollutant from the replacement engine are equal to or less than the emissions of each such pollutant from the original engine.
- (3) The permittee shall not allow the simultaneous operation of the original and replacement equipment.
- (4) All emission limitations and other applicable requirements specified in the permit for the original equipment shall apply equally to the replacement equipment during the temporary operating period.

(b) The permittee shall notify the Department of their intention to replace an existing engine within one business day. The notification shall include:

- (1) The nature of the breakdown or malfunction.
 - (2) The equipment manufacturer, model number, and horsepower rating that is being installed, along with the approximate emissions.
 - (3) The anticipated length of time the replacement equipment will be operational.
- (c) Permanent replacement of an engine will require the permittee going through the plan approval process.

(d) For the purpose of this condition, the following terms are defined:

**SECTION C. Site Level Requirements**

(1) Breakdown - any sudden and unavoidable failure of a source which prevents the operation of the source.

(2) Malfunction - any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process, which prevents operation in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

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

If the permittee causes, permits, or allows any modification (as that term is defined in Chapter 121 of Title 25, The Rules and Regulations of the Department of Environmental Protection) of any sources, the operation and use of which is authorized by this permit, the permit shall be suspended, and the permittee shall not thereafter continue to operate or use said air contamination source(s).

[Authority for this permit condition is also derived from 25 Pa. Code § 129.91. RACT Operating Permit No. OP27-015, Condition No. 12.]

017 [25 Pa. Code §129.96]**Applicability**

(a) The NOx requirements of this section and § § 129.97—129.100 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and § § 129.97—129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.51—129.52c, 129.54—129.63, 129.64—129.69, 129.71—129.75, 129.77, 129.101—129.107 and 129.301—129.310.

[Source 140 is subject to § 129.63 and therefore not subject to RACT II.]

(b) [Not Applicable]

(c) This section and § § 129.97—129.100 do not apply to the owner and operator of a NOx air contamination source located at a major NOx emitting facility that has the potential to emit less than 1 TPY of NOx or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

[Sources 139 & 144 each has NOx & VOC PTEs < 1 TPY. Sources 301, 601, 701 & 801 each has VOC PTE < 1 TPY (i.e., no NOx emission).]

(d) [Not Applicable]

018 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

(a) The owner and operator of a source listed in one or more of subsections (b)—(h) located at a major NOx emitting facility or major VOC emitting facility subject to § 129.96 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (k)—(m) or § 129.99 (relating to alternative RACT proposal and petition for alternative compliance schedule):

(1) January 1, 2017, for a source subject to § 129.96(a).

(2) [Not Applicable]

(b) [Not Applicable]

(c) [Omitted. See compliance with applicable provisions (§ 129.97(c)) under Source Group POWER GENERATING ENGINES in Section E of this permit.]

(d) - (f) [Not Applicable]

**SECTION C. Site Level Requirements**

(g) [Applicable provisions (§ 129.97(g)(3)(i)(A & B)) are incorporated under Source Group COMPRESSOR ENGINES - 2,000 HP in Section E of this permit and in Section D for Sources 135 & 136.]

(h) [Not Applicable]

(i) The requirements and emission limitations of this section supersede the requirements and emission limitations of a RACT permit issued to the owner or operator of an air contamination source subject to one or more of subsections (b)—(h) prior to April 23, 2016, under § § 129.91—129.95 (relating to stationary sources of NOx and VOCs) to control, reduce or minimize NOx emissions or VOC emissions, or both, from the air contamination source unless the permit contains more stringent requirements or emission limitations, or both.

[The NOx RACT I limits for Sources 131, 132, 133, 134 of 17.6 lb/hr & 77.1 TPY were streamlined from the permit based on the RACT II presumptive NOx limit of 3.0 g/bhp-hr, the lb/hr & TPY limits at the 2,000 HP rating cannot exceed 13.22 & 57.89 TPY, respectively. The NOx RACT I limit of 2.8 g/bhp-hr for Source 136 is more stringent than the RACT II NOx limit of 3.0 g/bhp-hr & is therefore retained in the permit as indicated in Section D for Source 136, under I. Restrictions, Emission Restrictions.]

(j) The requirements and emission limitations of this section supersede the requirements and emission limitations of § § 129.201—129.205, 145.111—145.113 and 145.141—145.146 (relating to additional NOx requirements; emissions of NOx from stationary internal combustion engines; and emissions of NOx from cement manufacturing) unless the requirements or emission limitations of § § 129.201—129.205, § § 145.111—145.113 or § § 145.141—145.146 are more stringent.

(k) - (m) [Not Applicable]

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 12/31/2021 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

#019 27-AUG-23

To demonstrate compliance with Source 135 Condition #011(b), the facility shall submit a major modification to the facility operating permit for inclusion of the ignition timing range into the operating permit.

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

**SECTION D. Source Level Requirements**

Source ID: 144

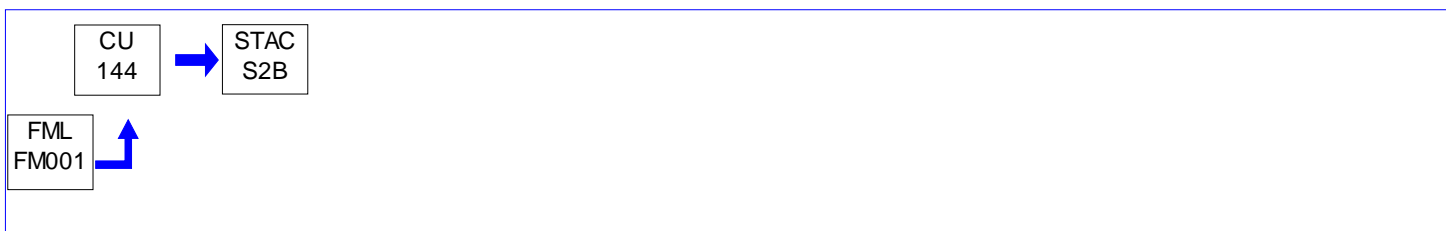
Source Name: 2B BOILER

Source Capacity/Throughput:

1.040 MMBTU/HR

1.040 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.22]

Combustion units

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

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not use any fuel other than pipeline quality natural gas for this source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source shall be maintained and operated in accordance with the manufacturer's specifications.

(b) This source shall also be operated in accordance with good air pollution control practices.

[Authority for this condition is also derived in 25 Pa. Code § 129.91.]

**SECTION D. Source Level 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 D. Source Level Requirements**

Source ID: 131

Source Name: 2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 1, SN 412ET273

Source Capacity/Throughput: 18.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMPRESSOR ENGINES - 2,000 HP
SOURCE TEST SUBMITTALS

**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.

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).

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



SECTION D. Source Level Requirements

Source ID: 132 Source Name: 2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 2, SN 412ET272
Source Capacity/Throughput: 18.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMPRESSOR ENGINES - 2,000 HP
SOURCE TEST SUBMITTALS



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.

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).

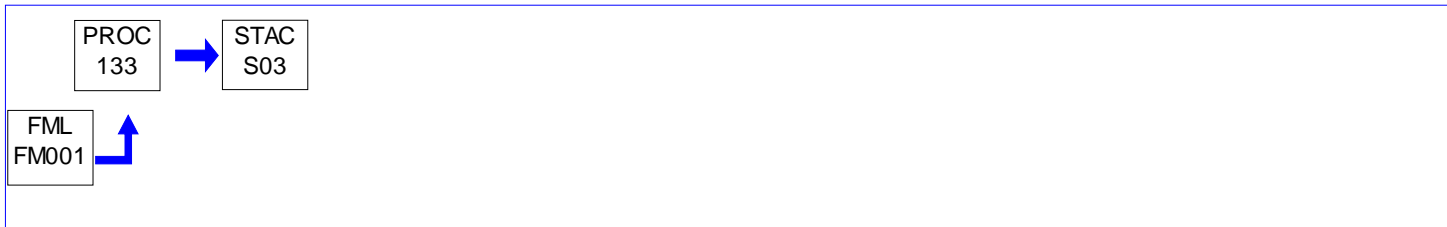
***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

Source ID: 133 Source Name: 2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 3, SN 412ET271
Source Capacity/Throughput: 18.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMPRESSOR ENGINES - 2,000 HP
SOURCE TEST SUBMITTALS



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.

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).

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

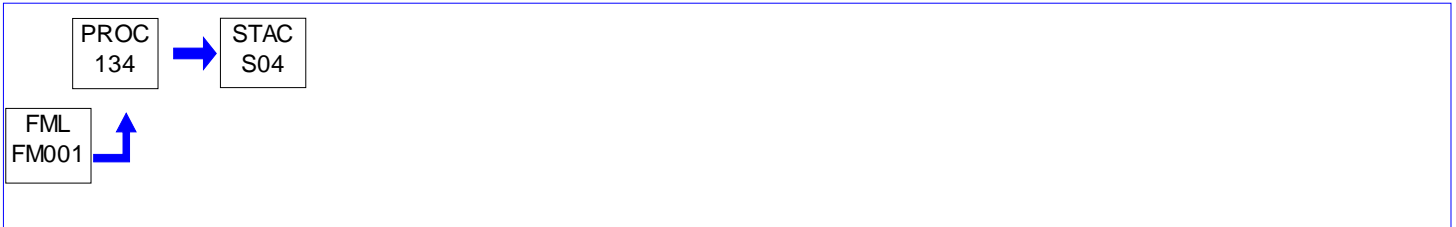
**SECTION D. Source Level Requirements**

Source ID: 134

Source Name: 2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 4, SN 412ET305

Source Capacity/Throughput: 18.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: COMPRESSOR ENGINES - 2,000 HP
SOURCE TEST SUBMITTALS

**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.

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).

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

**SECTION D. Source Level Requirements**

Source ID: 135

Source Name: 3500 BHP, WORTHINGTON ML-12, ENG NO 5, SN G2667

Source Capacity/Throughput: 30.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: RACT I - TESTING REQUIREMENTS
SOURCE TEST SUBMITTALS**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

002 [25 Pa. Code §123.21]**General**

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

003 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Plan Approval 27-015/RACT II Approval]

(a) The NO_x control option of Low emission combustion (LEC) for Source 135 is deemed RACT II for this source with the new emission limit of 5.0 g/bhp-hr.

[Plan Approval 27-015/RACT II Approval]

(b) The NO_x emission limits apply at all times except during periods of start-up and shut-down. Provided, however that the duration of start-up or shut-down shall not exceed one hour per occurrence.

[Plan Approval 27-015/RACT II Approval]

(c) In accordance with §129.99(g), the emission limit and requirements specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f) supersede the emission limit and requirements in the existing plan approval or operating permit issued to the owner or operator of the source prior to April 23, 2016, on the date specified in the plan approval or operating permit issued by the Department or appropriate approved local air pollution control agency under subsection (f), except to the extent the existing plan approval or operating permit contains more stringent requirements.

[Plan Approval 27-015A]

(d) The NO_x emissions from the engine shall not exceed 168.98 tpy based on a 12-month rolling total.

[The NO_x emissions listed in this condition streamline the RACT 1 NO_x limits previously established (103 lb/hr and 451.1 TPY).]

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

(g) Except as specified under subsection (c), the owner and operator of a NO_x air contamination source specified in this

**SECTION D. Source Level Requirements**

subsection, which is located at a major NOx emitting facility or a VOC air contamination source specified in this subsection, which is located at a major VOC emitting facility subject to § 129.96 may not cause, allow or permit NOx or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation:

(3) A stationary internal combustion engine:

(i) For a lean burn stationary internal combustion engine with a rating equal to or greater than 500 bhp fired with:

(A) [Not Applicable. For NOx emission, Source 135 complies with § 129.99.]

(B) Natural gas or a noncommercial gaseous fuel, liquid fuel or dual-fuel, 1.0 gram VOC/bhp-hr excluding formaldehyde.

[Other provisions under § 129.97(g) do not apply. For the rest of § 129.97, see Section C of this permit.]

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only pipeline quality natural gas as fuel for this source.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Plan Approval 27-015A/RACT II Approval][Testing Requirements for NOx emissions]

The company shall perform semi-annual stack tests if the engine that operates more than 219 hours during the six-month intervals beginning the first of April through the thirtieth of September and the first of October through the thirty-first of March. The company shall perform such tests using a Department approved portable exhaust gas analyzer.

[This requirement streamlines the testing identified in 25 Pa Code Section 129.100(a)(4).]

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Testing Requirements for VOC emissions]

(a) Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NOx RACT requirement or RACT emission limitation or VOC RACT requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) For notifications and submittals associated with the source tests, comply with the provisions under Source Group SOURCE TEST SUBMITTALS in Section E. Source Group Restrictions.

[Paragraph (a) of this condition is § 129.100(a)(4).]

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 27-015A]

The permittee shall monitor the following:

1. Pressure drop across the oxidation catalyst
2. Catalyst Inlet Temperature

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 27-015A]

(a) The permittee shall record the following operational data from the oxidation catalyst (these records may be done with strip charts recorders, data acquisition systems, or manual log entries):

1. Pressure differential - daily defined as once per calendar day
2. Catalyst Inlet Temperature - continuously defined as once per 15 minutes

[Plan Approval 27-015A/RACT II Approval]

(b) The permittee shall maintain records of the following:

1. The number of hours per calendar year that the engine is operated and the amount of fuel used in engine.
2. All portable analyzer test results and reports.
3. Monthly records of Nitrogen Oxide (NOx) emission totals from the engine. This monthly emission total shall be added to the monthly emission totals from the previous eleven months to determine the current consecutive 12-month emission totals.

[Plan Approval 27-015A/RACT II Approval]

(c) In accordance with §129.100(d), the owner and operator of an air contamination source subject to this section and §§129.96-129.99 shall keep records to demonstrate compliance with §§129.96-129.99.

[Plan Approval 27-015A/RACT II Approval]

(d) In accordance with §129.100(i), records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

010 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

[Applies to records associated with Source 135's VOC emission]

(a) The owner and operator of an air contamination source subject to this section and § § 129.96—129.99 shall keep records to demonstrate compliance with § § 129.96—129.99 in the following manner:

- (1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96—129.99 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.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate

**SECTION D. Source Level Requirements**

approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Paragraphs (a) & (b) of this condition are § 129.100(d) & (i), respectively.]

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.**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 27-015A]

(a) The permittee shall adhere to the approved indicator range for the oxidation catalyst so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion. The approved indicator range for the following shall be determined during the initial performance test or any subsequently approved performance tests unless otherwise stated:

1. Pressure drop: not change by more than 2" water column from the pressure drop measured during the initial or subsequent testing
2. Catalyst Inlet Temperature: greater than or equal to 450F and less than or equal to 1350F

The permittee, with prior Departmental approval, may conduct additional performance tests to determine a new pressure drop range. Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the control device and take corrective action. Records of all maintenance inspections on the control device, and corrective actions taken, shall be maintained on site for a minimum period of five years. In the event of more than one documented excursion outside the prescribed range in any calendar quarter the permittee shall submit a corrective measure plan to the Department. Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the control device, a modification of the prescribed range, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by case basis.

[Plan Approval 27-015/RACT II Approval]

(b) The Worthington ML-12 engine shall be set and maintained with an ignition timing range determined by the manufacturer after the modification of the engine which consists of the installation of the high-pressure fuel injection system and the pre-combustion chambers. The facility shall submit the manufacturer determined ignition timing range within 90 days after modification of the engine. Within 60 days of Department approval of the ignition timing range, the facility shall submit a major modification to the facility operating permit for inclusion of the ignition timing range into the operating permit.

[This condition will replace the following condition from the original RACT: The Worthington ML-12 engine shall be set and maintained with an ignition timing of 3.5 degrees before top dead center, which corresponds to a 1.5-degree retard from a standard ignition timing of 5 degrees before top dead center.]

[Plan Approval 27-015/RACT II Approval]

(c) The engine shall also be operated and maintained in accordance with good air pollution control practices which consists of the following:

1. Tune-ups will be completed based on engine analysis and weekly balancing.
2. Oil changes will be completed based on monthly oil analysis.
3. Spark plug inspections will be completed based on engine analysis or balancing.

**SECTION D. Source Level Requirements**

4. Maintaining proper engine retard will be verified and documented during weekly balancing.
5. Duration of start-up and shutdown periods are set by automation software/controls.
6. High and low alarms set in automation software based on OEM recommendations for optimal temperatures/pressures the engine is run at.

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

- (a) [This requirement was replaced by Condition #011 above which establishes a new ignition timing setting for this engine based on Plan Approval 27-015A.]
- (b) The engine shall also be operated and maintained in accordance with good air pollution control practices.

[Authority for this condition is also derived from 25 Pa. Code § 129.91. RACT Operating Permit No. OP27-015, Condition No. 4.]

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §145.113]****Standard requirements.**

- (a) The owner or operator of a unit subject to this subchapter shall calculate the difference between the unit's actual emissions from May 1 through September 30 and the allowable emissions for that period by the following dates:
 - (1) For a unit described in § 145.111(a) (relating to applicability), by October 31, 2005, and each year thereafter.
 - (2) [Not Applicable]
- (b) The owner or operator shall calculate allowable emissions by multiplying the unit's cumulative hours of operation for the period by the unit's horsepower rating and the unit's applicable emission rate set forth in paragraph (1), (2) or (3).
 - (1) [Not Applicable]
 - (2) The emission rate for a lean burn stationary internal combustion engine with an engine rating equal to or greater than 2,400 brake horsepower shall be 3.0 grams per brake horsepower-hour.
 - (3) [Not Applicable]
- (c) The owner or operator shall determine actual emissions by using one of the following:
 - (1) If the owner or operator of the unit is required to monitor NO_x emissions with a CEMS operated and maintained in accordance with a permit or State or Federal regulation, data reported to the Department to comply with the monitoring and reporting requirements of this article. Any data invalidated under Chapter 139 (relating to sampling and testing) shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.
 - (2) If the owner or operator of the unit is not required to monitor NO_x emissions with a CEMS, one of the following shall be used to determine actual emissions of NO_x:
 - (i) [Not Applicable]
 - (ii) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The operator of the unit shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

**SECTION D. Source Level Requirements**

(iii) The average emission rate calculated from test data from NO_x emission tests conducted from May 1 through September 30 of that year. The emissions tests must be conducted in accordance with the permit emission limit compliance monitoring procedures. Tests must be conducted at least once every 735 hours of operation. The Department may reduce the frequency of the emission testing for a unit based on the consistency of the data gathered from the testing. At least one test is required during the period of May 1 through September 30.

(d) The owner or operator of a unit subject to this section shall surrender to the Department one NO_x allowance, as defined in § 145.2 (relating to definitions), for each ton of NO_x by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered NO_x allowances shall be of current year vintage. For the purposes of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

(e) If the combined allowable emissions from units subject to this subchapter at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this subchapter at the facility during the same period, the owner or operator may deduct the difference or any portion of it from the amount of actual emissions from units subject to this subchapter at the owner or operator's other facilities located in this Commonwealth for that same period.

(f) By November 1 of each year, an owner or operator of a unit subject to this subchapter shall surrender the required NO_x allowances to the Department's designated NO_x allowance tracking system account, as defined in § 121.1 (relating to definitions), and shall provide in writing to the Department the following:

- (1) The serial number of each NO_x allowance surrendered.
- (2) The calculations used to determine the quantity of NO_x allowances required to be surrendered.

(g) If an owner or operator fails to comply with subsection (f), the owner or operator shall by December 31 surrender three NO_x allowances of the current or later year vintage for each NO_x allowance that was required to be surrendered by November 1.

(h) The surrender of NO_x allowances under subsection (g) does not affect the liability of the owner or operator of units for any fine, penalty or assessment, or other obligation to comply with any other remedy for the same violation, under the CAA or the act.

(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the owner or operator of the unit demonstrates that a lesser number of days should be considered.

- (2) Each ton of excess emissions is a separate violation.

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

**SECTION D. Source Level Requirements**

Source ID: 136

Source Name: 4000 BHP, CLARK TVC-10C, ENG NO 6, SN 107038

Source Capacity/Throughput:

34.000 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: RACT I - TESTING REQUIREMENTS
SOURCE TEST SUBMITTALS

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The permittee may not emit Nitrogen Oxides into the outdoor atmosphere at rates greater than 110.0 tons per year, 25.1 lbs/hr, 234.0 parts per million at 15 percent oxygen on a dry basis, and 2.8 grams per BHP-hr.

(b) The ton/year emission total listed above is applied in any consecutive 12-month period.

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in: PSD Permit 83PA01; 25 Pa. Code § 123.21; Condition No. 2 of the RACT Operating Permit (OP27-015) issued on July 27, 2000; and RACT II's § 129.97(g)(3)(i)(A).]

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

(g) Except as specified under subsection (c), the owner and operator of a NO_x air contamination source specified in this subsection, which is located at a major NO_x emitting facility or a VOC air contamination source specified in this subsection, which is located at a major VOC emitting facility subject to § 129.96 may not cause, allow or permit NO_x or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation:

(3) A stationary internal combustion engine:

(i) For a lean burn stationary internal combustion engine with a rating equal to or greater than 500 bhp fired with:

(A) [The 3.0 grams NO_x/bhp-hr is streamlined out the NO_x limit of 2.8 g/bhp-hr established through RACT I.]

(B) Natural gas or a noncommercial gaseous fuel, liquid fuel or dual-fuel, 1.0 gram VOC/bhp-hr excluding formaldehyde.

[Other provisions under § 129.97(g) do not apply. For the rest of § 129.97, see Section C of this permit.]

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

The permittee shall use only pipeline quality natural gas as a fuel for this source.

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

[Testing Requirements for VOC emissions]

(a) Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NO_x RACT requirement or RACT emission limitation or VOC RACT requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) For notifications and submittals associated with the source tests, comply with the provisions under Source Group SOURCE TEST SUBMITTALS in Section E. Source Group Restrictions.

[Paragraph (a) of this condition is § 129.100(a)(4).]

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall, on a weekly basis, monitor and record the following operational parameters:

- (1) Intake manifold temperature.
- (2) Intake manifold pressure.
- (3) Fuel header pressure.
- (4) Engine speed.
- (5) Spark ignition timing.

(b) The permittee shall ensure that all monitoring systems used in paragraph (a) shall be accurate to within five percent and shall be approved by the Department.

[PA 27-339-0001]

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall retain records of all required monitoring for this source.

[PA 27-339-0001]

008 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

(a) The owner and operator of an air contamination source subject to this section and §§ 129.96—129.99 shall keep records to demonstrate compliance with §§ 129.96—129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 are met.

**SECTION D. Source Level Requirements**

(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.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Paragraphs (a) & (b) of this condition are § 129.100(d) & (i), respectively.]

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

If for any reason, the permittee does not comply, with or will not be able to comply with the emission limitations or other conditions specified for this source, the permittee shall provide the Department and EPA with the following information as soon as possible but no later than five (5) days after such conditions become known to the permittee:

- (1) Description of non-compliance.
- (2) Cause of non-compliance.
- (3) Anticipated time the non-compliance is expected to continue or, if corrected, the actual duration of non-compliance.
- (4) Steps taken by the permittee to minimize or eliminate the non-compliance.
- (5) Steps taken by the permittee to prevent recurrence of the non-compliance.

[PA 27-339-0001]

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.

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).

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

**SECTION D. Source Level Requirements**

Source ID: 137

Source Name: A1AUX 408 HP ELEC POWER GENERATING ENGINE

Source Capacity/Throughput: 4.480 MCF/HR Natural Gas

Conditions for this source occur in the following groups: POWER GENERATING ENGINES

**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.

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).

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



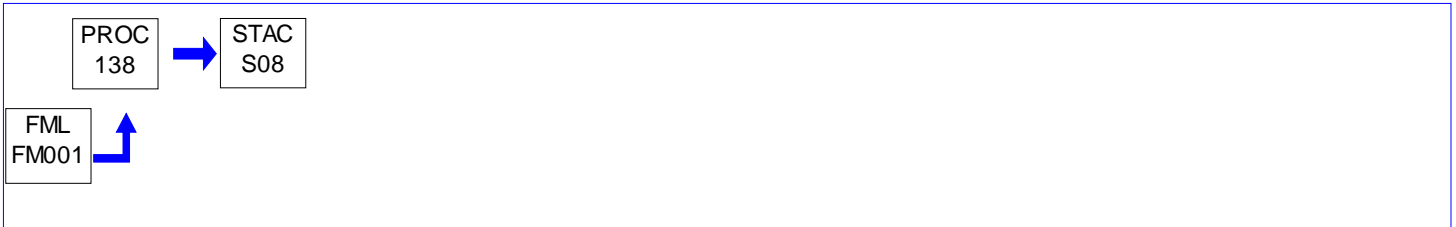
SECTION D. Source Level Requirements

Source ID: 138

Source Name: A2AUX 370 HP ELEC POWER GENERATING ENGINE

Source Capacity/Throughput: 4.060 MCF/HR Natural Gas

Conditions for this source occur in the following groups: POWER GENERATING ENGINES



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.

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).

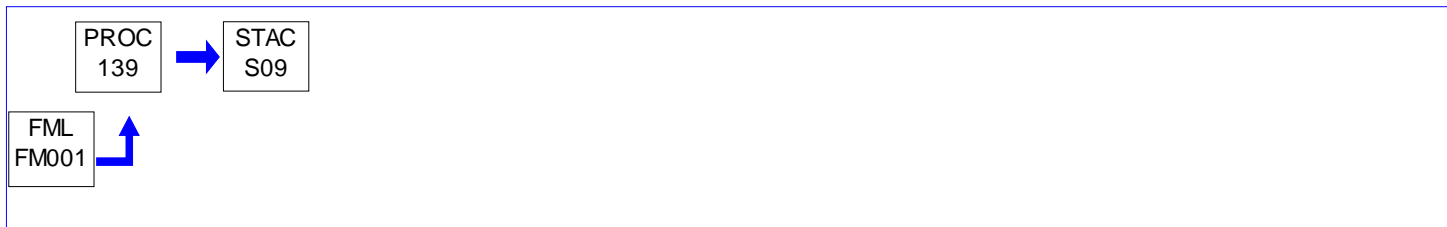
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 139

Source Name: COMBINE MISC. NATURAL GAS SOURCES

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

002 [25 Pa. Code §123.21]

General

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not use any fuel other than pipeline quality natural gas for this source.

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

All boilers and other combustion sources with individual rated gross heat inputs less than 20 MMBTU/hr. of operation shall be installed, maintained, and operated in accordance with the manufacturer's specifications. These sources shall also be operated and maintained in accordance with good air pollution control practices.

[Authority for this condition is also derived in 25 Pa. § 129.91. RACT Operating Permit No. OP 27-015, Condition No. 5.]

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. *****

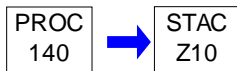
**SECTION D. Source Level Requirements**

Source ID: 140

Source Name: DEGREASER UNITS (2)

Source Capacity/Throughput:

N/A

**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 §129.63]****Degreasing operations**

(a) COLD CLEANING MACHINES. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

**SECTION D. Source Level Requirements**

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

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

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

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

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

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

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

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) - (e) [Not Applicable]

VII. ADDITIONAL REQUIREMENTS.

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



SECTION D. Source Level Requirements

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

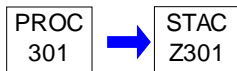
**SECTION D. Source Level Requirements**

Source ID: 301

Source Name: TANKS/VESSELS

Source Capacity/Throughput:

N/A

**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.

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. *****

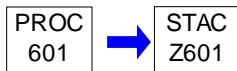
**SECTION D. Source Level Requirements**

Source ID: 601

Source Name: VENTING / BLOWDOWNS

Source Capacity/Throughput:

N/A

**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.

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. *****

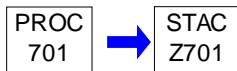
**SECTION D. Source Level Requirements**

Source ID: 701

Source Name: FUGITIVES

Source Capacity/Throughput:

N/A

**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 25 Pa. Code § 123.1]

The permittee shall perform a monthly Audio, Visual, Olfactory (AVO) inspection of the facility to determine any leaks that may occur during the inspection and rectify the leak as soon as possible.

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

(a) The permittee shall keep records of the date and time of the monthly Audio, Visual, Olfactory (AVO) inspections and any maintenance and repairs conducted pursuant to the AVO Inspections.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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. *****

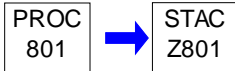
**SECTION D. Source Level Requirements**

Source ID: 801

Source Name: PIGGING OPERATIONS

Source Capacity/Throughput:

N/A

**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.

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: COMPRESSOR ENGINES - 2,000 HP

Group Description: Requirements for the 2,000-hp compressor engines

Sources included in this group

ID	Name
131	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 1, SN 412ET273
132	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 2, SN 412ET272
133	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 3, SN 412ET271
134	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 4, SN 412ET305

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

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

002 [25 Pa. Code §123.21]**General**

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

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

(g) Except as specified under subsection (c), the owner and operator of a NO_x air contamination source specified in this subsection, which is located at a major NO_x emitting facility or a VOC air contamination source specified in this subsection, which is located at a major VOC emitting facility subject to § 129.96 may not cause, allow or permit NO_x or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation:

(3) A stationary internal combustion engine:

(i) For a lean burn stationary internal combustion engine with a rating equal to or greater than 500 bhp fired with:

(A) Natural gas or a noncommercial gaseous fuel, 3.0 grams NO_x/bhp-hr.

(B) Natural gas or a noncommercial gaseous fuel, liquid fuel or dual-fuel, 1.0 gram VOC/bhp-hr excluding formaldehyde.

[Compliance with § 129.97(g)(3)(i)(A) assures compliance with RACT I's 17.6 lb/hr & 77.1 TPY NO_x limits (i.e., 3 g/bhp-hr is equivalent to 13.22 lb/hr & 57.89 TPY). Other provisions under § 129.97(g) do not apply. For the rest of § 129.97, see Section C of this permit.]

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

The permittee shall use pipeline quality natural gas as fuel for this source.

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

[Testing Requirements for NO_x & VOC emissions]

(a) Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NO_x RACT

**SECTION E. Source Group Restrictions.**

requirement or RACT emission limitation or VOC RACT requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) For notifications and submittals associated with the source tests, comply with the provisions under Source Group SOURCE TEST SUBMITTALS in Section E. Source Group Restrictions.

[Paragraph (a) of this condition is § 129.100(a)(4).]

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) The owner and operator of an air contamination source subject to this section and §§ 129.96—129.99 shall keep records to demonstrate compliance with §§ 129.96—129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96—129.99 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.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Paragraphs (a) & (b) of this condition are § 129.100(d) & (i), respectively.]

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: POWER GENERATING ENGINES

Group Description: Requirements for the auxiliary power generating engines

Sources included in this group

ID	Name
137	A1AUX 408 HP ELEC POWER GENERATING ENGINE
138	A2AUX 370 HP ELEC POWER GENERATING ENGINE

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

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

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

The permittee shall use only pipeline quality natural gas as a fuel for this source.

Operation Hours Restriction(s).**# 004 [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) [See VI. Work Practice Requirements for this source group]

(b) - (e) [Not Applicable]

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the

**SECTION E. Source Group Restrictions.**

engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) - (iii) [Vacated]

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [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?

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions you must install a non-resettable hour meter if one is not already installed.

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

[For other paragraphs of § 63.6625, see VI. Work Practice Requirements for this source group.]

IV. RECORDKEEPING REQUIREMENTS.

006 [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) - (c) [Not Applicable]

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must 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 if you own or operate any of the following stationary RICE;

(1) [Not Applicable]

(2) An existing stationary emergency RICE.

(3) [Not Applicable]

**SECTION E. Source Group Restrictions.**

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

007 [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) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

(b) As specified in § 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 § 63.10(b)(1).

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010]

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.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall set and maintain the two auxiliary engines with a 4 degree retarded before top dead center relative to standard ignition timing. These sources shall also be operated and maintained in accordance with good air pollution control practices.

[Authority for this condition is also derived from 25 Pa. Code § 129.93. RACT Operating Permit No. OP27-015, Condition No. 6.]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2c]

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

Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE < or = 500 HP Located at a Major Source of HAP Emissions

As stated in §§63.6600, 63.6602, and 63.6640, you must comply with the following requirements for existing compression ignition stationary RICE located at a major source of HAP emissions and existing spark ignition stationary RICE less than or equal to 500 HP located at a major source of HAP emissions:

FOR EACH...

(6) Emergency stationary SI RICE and black start stationary SI RICE [Footnote (1)]

YOU MUST MEET THE FOLLOWING REQUIREMENT, EXCEPT DURING PERIODS OF STARTUP...

**SECTION E. Source Group Restrictions.**

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

DURING PERIODS OF STARTUP YOU MUST...

Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [Footnote (3)]

FOOTNOTES:

(1) If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

(2) Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.

(3) Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[78 FR 6708, Jan. 30, 2013, as amended at 78 FR 14457, Mar. 6, 2013]

[Other categories of Table 2c do not apply]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 6]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Table 6 to Subpart ZZZZ of Part 63.-- Continuous Compliance With Emission Limitations and Operating Limitations**

As stated in §63.6640, you must continuously comply with the emissions and operating limitations as required by the following :

FOR EACH...

(9) Existing emergency and black start stationary RICE less than or equal to 500 HP located at a major source of HAP.
[Other RICE subcategories omitted]

COMPLYING WITH THE REQUIREMENT TO...

- (a) Work or Management practices.

YOU MUST DEMONSTRATE CONTINUOUS COMPLIANCE BY...

(i) Operating and maintaining the stationary RICE 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.

[78 FR 6715, Jan. 30, 2013]

[Other categories of Table 6 do not apply]

**SECTION E. Source Group Restrictions.****# 011 [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?**

If you 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, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. [Omitted statements not applicable]

[78 FR 6701, Jan. 30, 2013]

012 [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) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must 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.

[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

(a) - (d) [Not Applicable]

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) 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:

(1) [Not Applicable]

(2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

(3) - (10) [Not Applicable]

(f) [See III. Monitoring Requirements for this source group]

(g) [Not Applicable]

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

(i) [Not Applicable]

**SECTION E. Source Group Restrictions.**

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. 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 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.

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

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

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Table 2c, to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) - (e) [Not Applicable]

(f) [See I. Restrictions, Operation Hours Restrictions for this source group]

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3606, Jan. 18, 2008; 75 FR 9676, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6704, Jan. 30, 2013]

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

For RACT II purposes:

(a) Compliance with § 63.6605(b) assures compliance with work practice requirements pursuant to § 129.97(c) applicable to § 129.97(c)(5) - i.e., a stationary internal combustion engine rated at less than 500 bhp (gross).

(b) Compliance with §§ 63.6655 & 63.6660 assures compliance with recordkeeping requirements pursuant to § 129.100(d) & (i), respectively.

016 [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?**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

**SECTION E. Source Group Restrictions.****# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

(a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

(c) - (f) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013]

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) AFFECTED SOURCE. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) EXISTING STATIONARY RICE.

(i) [Not Applicable]

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006. [For Sources 137 & 138]

(iii) - (iv) [Not Applicable]

(2) NEW STATIONARY RICE. [Not Applicable]

(3) RECONSTRUCTED STATIONARY RICE. [Not Applicable]

(b) STATIONARY RICE SUBJECT TO LIMITED REQUIREMENTS.

(1) - (2) [Not Applicable]

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) Existing spark ignition 2 stroke lean burn (2SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

[Exemption for Sources 131, 132, 133, 134]

(ii) Existing spark ignition 4 stroke lean burn (4SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

**SECTION E. Source Group Restrictions.**

[Exemption for Sources 135, 136]

(iii) - (v) [Not Applicable]

(c) STATIONARY RICE SUBJECT TO REGULATIONS UNDER 40 CFR PART 60. [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9674, Mar. 3, 2010; 75 FR 37733, June 30, 2010; 75 FR 51588, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

(a) AFFECTED SOURCES.

(1) If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013. [Omitted statements not applicable]

(2) - (7) [Not Applicable]

(b) AREA SOURCES THAT BECOME MAJOR SOURCES. [Not Applicable]

(c) [Not Applicable]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3604, Jan. 18, 2008; 75 FR 9675, Mar. 3, 2010; 75 FR 51589, Aug. 20, 2010; 78 FR 6701, Jan. 30, 2013]

020 [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?

Table 8 to this subpart shows which parts of the General Provisions in §§ 63.1 through 63.15 apply to you. [Omitted statements not applicable]

[75 FR 9678, Mar. 3, 2010]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]

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

Who implements and enforces this subpart?

(a) This subpart is implemented and enforced by the U.S. EPA, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency (as well as the U.S. EPA) has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out whether this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are:

(1) Approval of alternatives to the non-opacity emission limitations and operating limitations in § 63.6600 under § 63.6(g).

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.

(3) Approval of major alternatives to monitoring under § 63.8(f) and as defined in § 63.90.

**SECTION E. Source Group Restrictions.**

(4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f) and as defined in § 63.90.

(5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in § 63.6610(b).

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What definitions apply to this subpart?**

Terms used in this subpart are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; and in this section as follows:

[Only select definitions included in this permit. For the rest of the terminology, refer to § 63.6675 under Title 40 – Protection of Environment in www.ecfr.gov.]

EMERGENCY STATIONARY RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in §63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in §63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

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

(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §63.6640(f).

(3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in §63.6640(f)(2)(ii) or (iii) and §63.6640(f)(4)(i) or (ii).

ENGINE STARTUP means the time from initial start until applied load and engine and associated equipment reaches steady state or normal operation. For stationary engine with catalytic controls, engine startup means the time from initial start until applied load and engine and associated equipment, including the catalyst, reaches steady state or normal operation.

FOUR-STROKE ENGINE means any type of engine which completes the power cycle in two crankshaft revolutions, with intake and compression strokes in the first revolution and power and exhaust strokes in the second revolution.

GASEOUS FUEL means a material used for combustion which is in the gaseous state at standard atmospheric temperature and pressure conditions.

LEAN BURN ENGINE means any two-stroke or four-stroke spark ignited engine that does not meet the definition of a rich burn engine.

MAJOR SOURCE, as used in this subpart, shall have the same meaning as in §63.2, except that:

(1) Emissions from any oil or gas exploration or production well (with its associated equipment (as defined in this section)) and emissions from any pipeline compressor station or pump station shall not be aggregated with emissions from other similar units, to determine whether such emission points or stations are major sources, even when emission points are in a contiguous area or under common control;

(2) For oil and gas production facilities, emissions from processes, operations, or equipment that are not part of the same oil and gas production facility, as defined in §63.1271 of subpart HHH of this part, shall not be aggregated;

(3) For production field facilities, only HAP emissions from glycol dehydration units, storage vessel with the potential for flash emissions, combustion turbines and reciprocating internal combustion engines shall be aggregated for a major source determination; and

(4) Emissions from processes, operations, and equipment that are not part of the same natural gas transmission and storage facility, as defined in §63.1271 of subpart HHH of this part, shall not be aggregated.

NATURAL GAS means a naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in geologic formations beneath the Earth's surface, of which the principal constituent is methane. Natural gas may be field or pipeline quality.

**SECTION E. Source Group Restrictions.**

RICH BURN ENGINE means any four-stroke spark ignited engine where the manufacturer's recommended operating air/fuel ratio divided by the stoichiometric air/fuel ratio at full load conditions is less than or equal to 1.1. Engines originally manufactured as rich burn engines, but modified prior to December 19, 2002 with passive emission control technology for NOX (such as pre-combustion chambers) will be considered lean burn engines. Also, existing engines where there are no manufacturer's recommendations regarding air/fuel ratio will be considered a rich burn engine if the excess oxygen content of the exhaust at full load conditions is less than or equal to 2 percent.

SPARK IGNITION means relating to either: A gasoline-fueled engine; or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for CI and gaseous fuel (typically natural gas) is used as the primary fuel at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark ignition engines.

STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINE (RICE) means any reciprocating internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.

TWO-STROKE ENGINE means a type of engine which completes the power cycle in single crankshaft revolution by combining the intake and compression operations into one stroke and the power and exhaust operations into a second stroke. This system requires auxiliary scavenging and inherently runs lean of stoichiometric.

[69 FR 33506, June 15, 2004, as amended at 71 FR 20467, Apr. 20, 2006; 73 FR 3607, Jan. 18, 2008; 75 FR 9679, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 76 FR 12867, Mar. 9, 2011; 78 FR 6706, Jan. 30, 2013]

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT I - TESTING REQUIREMENTS

Group Description: Testing requirements under RACT I

Sources included in this group

ID	Name
135	3500 BHP, WORTHINGTON ML-12, ENG NO 5, SN G2667
136	4000 BHP, CLARK TVC-10C, ENG NO 6, SN 107038

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.**

[Applicable to NOx emission testing from Sources 135 & 136]

(a) The company shall perform semi-annual stack tests on each of the engine that operates more than 219 hours during the six month intervals beginning the first of April through the thirtieth of September and the first of October through the thirty-first of March. The company shall perform such tests using a Department approved portable exhaust gas analyzer. The results from these tests shall be used to demonstrate compliance with the NOx emissions limits for each source.

(b) The Department may alter the frequency of portable analyzer tests based on the test results. The Department reserves the right to require stack tests in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

(c) The results of the testing performed, above, shall be submitted to the Department within thirty (30) days of the test date.

[Paragraphs (a), (b) & (c) of this conditions are RACT Operating Permit No. OP27-015, Conditions No. 7, 8 & 9, respectively.]

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 §129.95]****Recordkeeping**

(a) The owner and operator of a major NOx emitting facility or a major VOCs emitting facility shall keep records to demonstrate compliance with §§ 129.91 - 129.94.

(b) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of §§ 129.91 - 129.94 are met.

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

(d) The records shall be retained for at least 5 years and shall be made available to the Department on request.

(e) The recordkeeping shall include the number of hours per calendar year that each of the engines is operated and the amount of fuel used in engine.

(f) The permittee shall maintain records of all portable analyzer test results and reports.

(g) The permittee shall keep monthly records of Nitrogen Oxide (NOx) emission totals from each engine. This monthly emission total shall be added to the monthly emission totals from the previous eleven months to determine the current consecutive 12 month emission totals.

**SECTION E. Source Group Restrictions.**

[Authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 & 127.511. Paragraphs (a) to (e) of this permit condition are from RACT Operating Permit OP27-015, Condition No. 10.]

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

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

- (1) The number of hours operated per month, and
- (2) The amount of fuel consumed per month, and
- (3) The test results and reports from the most current semi-annual portable analyzer test and the supporting calculations used to verify the Nitrogen Oxides (NOx) emissions from this source.
- (4) The consecutive 12 month NOx emission totals calculated for each month since the previous semi-annual report.
- (5) The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

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: SOURCE TEST SUBMITTALS

Group Description: Conditions for all source test submittals (Source Testing Section, August 17, 2018)

Sources included in this group

ID	Name
131	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 1, SN 412ET273
132	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 2, SN 412ET272
133	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 3, SN 412ET271
134	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 4, SN 412ET305
135	3500 BHP, WORTHINGTON ML-12, ENG NO 5, SN G2667
136	4000 BHP, CLARK TVC-10C, ENG NO 6, SN 107038

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.**

Source test submittals shall be as follows:

- (1) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval in accordance with paragraph (7) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (2) 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 Department in accordance with paragraph (7)(B) of this condition. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department (Source Testing Section).
- (3) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the onsite testing portion of an emission test program.
- (4) 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:
 - (A) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
 - (B) Permit number(s) and condition(s) which are the basis for the evaluation.
 - (C) Summary of results with respect to each applicable permit condition.
 - (D) Statement of compliance or non-compliance with each applicable permit condition.
- (5) All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (6) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
- (7)
 - (A) All submittals, besides notifications, shall be accomplished through PSIMS*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, when it becomes available.
 - (B) If internet submittal cannot be accomplished, one paper copy plus one electronic copy of all source test submissions

**SECTION E. Source Group Restrictions.**

(notifications, protocols, reports, supplemental information, etc.) shall be sent to both PSIMS Administration in Central Office and to Regional Office AQ Program Manager.

Paper copies shall be sent using the following mailing addresses:

CENTRAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: PSIMS Administrator
P.O. Box 8468
Harrisburg, PA 17105-8468

NORTHWEST REGIONAL OFFICE:

Pennsylvania Department of Environmental Protection
Attn: Air Quality Program Manager
230 Chestnut St.
Meadville, PA 16335

Electronic copies shall be sent at the following e-mail addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

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 F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
144	2B BOILER
Emission Limit	
4.000	Lbs/MMBTU
Pollutant	
SOX	
131	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 1, SN 412ET273
Emission Limit	
500.000	PPMV Drybasis
Pollutant	
SOX	
0.040	gr/DRY FT3
Pollutant	
TSP	
132	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 2, SN 412ET272
Emission Limit	
500.000	PPMV Drybasis
Pollutant	
SOX	
0.040	gr/DRY FT3
Pollutant	
TSP	
133	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 3, SN 412ET271
Emission Limit	
500.000	PPMV Drybasis
Pollutant	
SOX	
0.040	gr/DRY FT3
Pollutant	
TSP	
134	2000 BHP, INGERSOLL-RAND KVS-412, ENG NO 4, SN 412ET305
Emission Limit	
500.000	PPMV Drybasis
Pollutant	
SOX	
0.040	gr/DRY FT3
Pollutant	
TSP	
135	3500 BHP, WORTHINGTON ML-12, ENG NO 5, SN G2667
Emission Limit	
5.000	GRAMS/HP-Hr
Pollutant	
NOX	
168.980	Tons/Yr based on a 12-month rolling total
Pollutant	
NOX	
500.000	PPMV Drybasis.
Pollutant	
SOX	
0.040	gr/DRY FT3
Pollutant	
TSP	
136	4000 BHP, CLARK TVC-10C, ENG NO 6, SN 107038
Emission Limit	
2.800	GRAMS/BTU/Hr
Pollutant	
NOX	
25.100	Lbs/Hr
Pollutant	
NOX	
110.000	Tons/Yr
Pollutant	
NOX	
0.040	gr/DRY FT3
Pollutant	
TSP	
137	A1AUX 408 HP ELEC POWER GENERATING ENGINE
Emission Limit	
500.000	PPMV Drybasis
Pollutant	
SOX	
0.040	gr/DRY FT3
Pollutant	
TSP	



SECTION G. Emission Restriction Summary.

Source Id	Source Description
138	A2AUX 370 HP ELEC POWER GENERATING ENGINE

Emission Limit	Pollutant
500.000 PPMV Dry basis	SOX
0.040 gr/DRY FT3	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable limits are listed in the Restrictions section in Section C (i.e., facility-wide), Section D (i.e., for each source), and Section E (i.e., for sources included in the source group). The emission limitations contained in Section G of this permit are also for informational purposes only and are not to be considered enforceable limits.

(b) Source Description/Information. For purposes of this permit:

(b.1) Source 139 (Combine Misc. Natural Gas Sources) includes, but is not limited to, the following units:

- (1) 1SH Space Heater
- (2) 2SH Space Heater
- (3) 3SH Space Heater
- (4) 4SH Space Heater
- (5) Space heater in storage building
- (6) 9SH Space Heater
- (7) 10SH Space Heater
- (8) 11SH Space Heater
- (9) 12SH Space Heater
- (10) 13SH Space Heater
- (11) 14SH Space Heater
- (12) 15SH Space Heater
- (13) 16SH Space Heater
- (14) 1F, Furnace
- (15) 2F, Furnace
- (16) Small Furnace
- (17) 1HWH, Hot Water Heater
- (18) 2HWH, Hot Water Heater
- (19) 3HWH, Hot Water Heater
- (20) 4HWH Hot water heater

(b.2) Source 301 (Tanks/Vessels) includes the following storage tanks:

- (1) 1,000 gallon aboveground gasoline storage tank
- (2) 4,959 gallons glycol/water tank
- (3) 6,564 gallons glycol/water tank
- (4) 11,618 gallons new oil tank
- (5) 5,022 gallons waste oil tank
- (6) 8,051 gallons new oil tank
- (7) 877 gallons waste oil tank
- (8) 120 gallons valve stem oil tank
- (9) 1950 gallons new rundown oil tank
- (10) 5076 gallons pipeline condensate tank
- (11) 500 gallons air condensate
- (12) 100 gallons portable diesel tank
- (13) 600 gallons rundown oil tank
- (14) 100 gallons waste rundown oil tank
- (15) 423 gallons auxiliary area glycol/ water tank
- (16) 305 gallons glycol tank

(c) Trivial/Insignificant Activities: There are no applicable emission limitations, monitoring, recordkeeping, reporting, work practice or other requirements for the following sources:

(c.1) Cyclone Blasting System - insignificant activity because its control device exhausts inside the facility.

(d) For Federal enforcement purposes, the RACT portion of this Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51.4 and approved by the US Environmental Protection Agency (EPA), regardless of any expiration date indicated on this or the original RACT Operating Permit (Issued July 27, 2000).

(e) Permit History

(e.1) This permit was initially issued on December 27, 2000.

(e.2) This permit was renewed on the following dates: January 4, 2006; March 7, 2011; April 6, 2016; June 23, 2021.

(e.3) This permit was administratively amended on the following dates: March 5, 2007 (change in Responsible Official);

**SECTION H. Miscellaneous.**

November 27, 2012 (name change of the owner); August 13, 2018 (change in Responsible Official).

(e.4) This permit was modified on the following dates: June 19, 2018 (incorporate RACT II presumptive requirements).

(f) Alternative Responsible Official. (as of 2021 renewal)

(f.1) Mr. Ronald S. Bessette (VP - Operations).

(g) This permit was administratively amended on March 10, 2022 to provide typographical corrections (provide the correct number of significant digits) to the NOx emission limits for Source 136 and to update the permit contact.

(h) Source ID: Department assigned ID number for the source

Source Name: Department assigned name for the source

Capacity: The maximum capacity for the source (not a limit)

Fuel/Material: The fuel/material assigned to SCC for the source

Schematics:

FML: Fuel Material Location

CU: Combustion Unit

PROC: Process

CNTL: Control Device

STAC: Stack

Pollutant:

NOx: Nitrogen Oxides

(i) For the purpose of this permit, Control C135 (Low Emission Combustion) consists of the following:

1. High-Pressure Fuel Injection
2. Pre-combustion Chambers (PCC)
3. Oxidation Catalyst

(j) This permit was administratively amended on June 27, 2023 to incorporate the requirements of plan approval 27-015A pertaining to Source 135.



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