



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

TITLE V/STATE OPERATING PERMIT

Issue Date: May 24, 2022

Effective Date: May 24, 2022

Expiration Date: April 30, 2027

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: 43-00196

Federal Tax Id - Plant Code: 83-0598308-2

Owner Information

Name: WABTEC US RAIL INC (DBA GE TRANSPORTATION, A WABTEC CO)
Mailing Address: 1503 W MAIN STREET EXT
GROVE CITY, PA 16127-2513

Plant Information

Plant: WABTEC US RAIL GROVE CITY ENGINE/MERCER
Location: 43 Mercer County 43931 Pine Township
SIC Code: 3519 Manufacturing - Internal Combustion Engines, Nec

Responsible Official

Name: JOHN SINGLETON
Title: EXEC SHOP OPERATIONS
Phone: (724) 450 - 8101 Email: john.singleton@wabtec.com

Permit Contact Person

Name: ZAMBIA LOGERO
Title: EHS MANAGER
Phone: (724) 450 - 8432 Email: zambia.logero@wabtec.com

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



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General Title V Requirements

- #001 Definitions
- #002 Prohibition of Air Pollution
- #003 Property Rights
- #004 Permit Expiration
- #005 Permit Renewal
- #006 Transfer of Ownership or Operational Control
- #007 Inspection and Entry
- #008 Compliance Requirements
- #009 Need to Halt or Reduce Activity Not a Defense
- #010 Duty to Provide Information
- #011 Reopening and Revising the Title V Permit for Cause
- #012 Reopening a Title V Permit for Cause by EPA
- #013 Operating Permit Application Review by the EPA
- #014 Significant Operating Permit Modifications
- #015 Minor Operating Permit Modifications
- #016 Administrative Operating Permit Amendments
- #017 Severability Clause
- #018 Fee Payment
- #019 Authorization for De Minimis Emission Increases
- #020 Reactivation of Sources
- #021 Circumvention
- #022 Submissions
- #023 Sampling, Testing and Monitoring Procedures
- #024 Recordkeeping Requirements
- #025 Reporting Requirements
- #026 Compliance Certification
- #027 Operational Flexibility
- #028 Risk Management
- #029 Approved Economic Incentives and Emission Trading Programs
- #030 Permit Shield
- #031 Reporting
- #032 Report Format

Section C. Site Level Title V Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level Title V Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements



SECTION A. Table of Contents

- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

Section E. Source Group Restrictions

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

Section G. Emission Restriction Summary

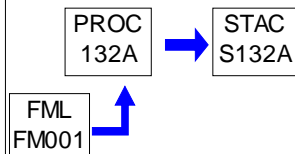
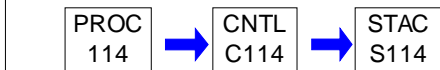
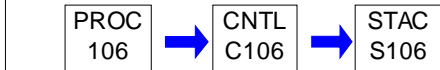
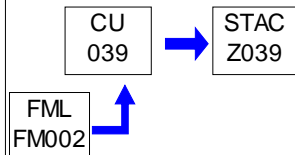
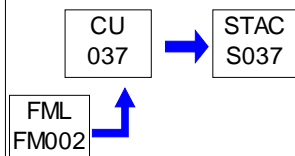
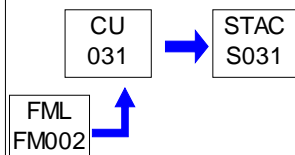
Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER - 400 HP - 13.4 MILLION BTU/HR NAT. GAS	13.400 MMBTU/HR	
		13.400 MCF/HR	NATURAL GAS
037	BOILER - 800 HP - 26.8 MILLION BTU/HR NAT. GAS	26.800 MMBTU/HR	
		26.800 MCF/HR	NATURAL GAS
039	MISC NATURAL GAS FIRED SOURCES	100.000 MMBTU/HR	
		100.000 MCF/HR	NATURAL GAS
106	ENGINE PAINT BOOTH	36.000 Gal/HR	PAINT
106B	ENGINE CLEANING STATION	1.000 Lbs/HR	AQUEOUS SOLUTION
114	COMPONENT PAINT BOOTH	1.000 Gal/HR	PAINT
132A	DIESEL ENGINE TEST CELL 1	253.900 Gal/HR	DIESEL
132B	DIESEL ENGINE TEST CELL 2	253.900 Gal/HR	DIESEL
132C	DIESEL ENGINE TEST CELL 3	253.900 Gal/HR	DIESEL
132D	DIESEL ENGINE TEST CELL 4	307.000 Gal/HR	DIESEL
132E	DIESEL ENGINE TEST CELL 5	380.000 Gal/HR	DIESEL
132F	DIESEL ENGINE TEST CELL 6	380.000 Gal/HR	DIESEL
137	EMERGENCY GENERATORS (2) NATL GAS, 125 HP & 250 HP	3,375.000 CF/HR	Natural Gas
138	EMERGENCY DIESEL FIRE PUMP 185 HP	12.000 Gal/HR	#2 OIL
140	CLEANING OPERATIONS	4.000 Lbs/HR	CLEANING SOLVENTS
142	ADHESIVE APPLICATION ACTIVITIES	1.000 Lbs/HR	ADHESIVE
143	ADDITIVE LAB EMERGENCY GENERATOR, NATL GAS, 259 HP	1.000 MCF/HR	Natural Gas
144	ADDITIVE MANUFACTURING (3D PRINTING)	1.000 Gal/HR	BINDER
199	OTHER MISCELLANEOUS VOC SOURCES	1.000 Lbs/HR	VOC SOURCES
C106	ENGINE PAINT BOOTH FABRIC FILTERS		
C114	COMPONENT PAINT BOOTH FABRIC FILTERS		
C132F	DIESEL ENGINE TEST CELL 6 CONTROL DEVICE		
FM001	DIESEL TANKS (3)		
FM002	NATURAL GAS PIPELINE		
FML003	FIRE PUMP DIESEL TANK		
FML005	JP5 FUEL		
S031	400 HP BOILER STACK		
S037	800 HP BOILER STACK		
S106	ENGINE PAINT BOOTH STACK		
S114	COMPONENT PAINT BOOTH STACK		
S132A	DIESEL ENGINE TEST CELL 1 STACK (OLD S02)		
S132B	DIESEL ENGINE TEST CELL 2 STACK (OLD S03)		
S132C	DIESEL ENGINE TEST CELL 3 STACK (OLD S04)		
S132D	DIESEL ENGINE TEST CELL 4 STACK (OLD S05)		
S132E	DIESEL ENGINE TEST CELL 5 STACK (OLD S06)		
S132F	DIESEL ENGINE TEST CELL 6 CONTROL DEVICE STACK		

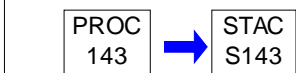
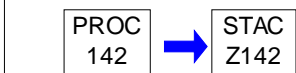
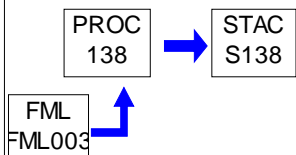
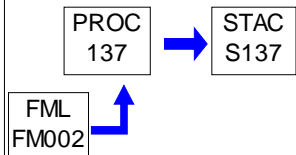
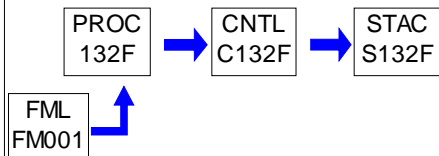
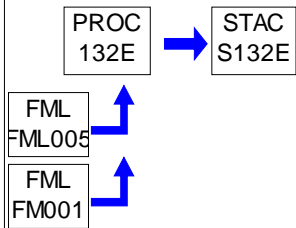
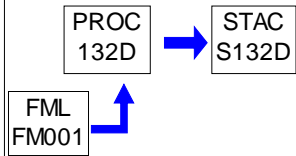
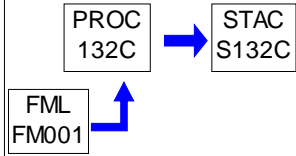
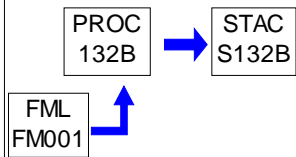
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S137	STACKS FOR EMERGENCY GENERATORS (2)		
S138	DIESEL FIRE PUMP STACK		
S140	CLEANING BOOTH STACKS		
S143	EMERGENCY GENERATOR STACK		
S144	STACK FOR ADDITIVE MANUFACTURING PROCESS (3D PRINTING)		
Z039	FUGITIVE EMISSIONS FROM MISC NATURAL GAS COMBUSTION		
Z106B	FUGITIVES FROM ENGINE CLEANING BOOTH		
Z142	FUGITIVES FROM ADHESIVE APPLICATION		
Z199	FUGITIVES FROM OTHER MISCELLANEOUS VOC SOURCES		

PERMIT MAPS



PERMIT MAPS





PERMIT MAPS

PROC
144 → STAC
S144

PROC
199 → STAC
Z199

**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
Air Section
1650 Arch Street, 3ED21
Philadelphia, PA 19103

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(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) Open burning operations.

(7) - (8) [Paragraphs (7) and (8) of the regulation are not applicable to this facility.]

(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; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) [Not applicable]

(c) [Paragraph (c) is printed under Workpractice Requirements in this section of permit.]

(d) [Not applicable]

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code §123.1 [Condition 001 above] 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 may 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.

004 [25 Pa. Code §123.41]**Limitations**

A person may 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.

**SECTION C. Site Level Requirements****# 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]

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

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

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

- (a) If the permittee is conducting emissions testing using the same testing protocol and the testing is to be conducted by the same testing company which prepared the protocol previously approved by the Department, submission of a new protocol prior to testing is not required.
- (b) The permittee shall submit at least 15 days notification to the Department's Northwest Regional Office of the proposed test date and reference the previously approved protocol in the notification.
- (c) The permittee shall also reference the previously approved protocol in the submission of the report of test results.
- (d) If any federal or commonwealth testing standards are amended in Title 40 of the CFR or in 25 Pa. Code Chapter 139, then a new test protocol must be prepared and submitted in accordance with the federal and commonwealth regulations for submission and approval of test protocols.

[This operating permit condition, added to the permit with the 2019 TV operating permit modification, is derived in accordance with the Pretest Procedural Protocol as printed in Section 2.1.1 of the DEP's Source Testing Manual, Document #274-0300-002, published November 11, 2000.]

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 surveillance of the facility property once each day during daylight hours while the plant is in operation to observe, on a qualitative basis, changes of fugitive and/or visible emissions agreed to by the permittee and the Department. The frequency of the monitoring required by this paragraph shall change to weekly if no changes of fugitive

**SECTION C. Site Level Requirements**

and/or visible emissions have been observed after a period of thirty (30) days. If changes of fugitive and/or visible emissions are observed during a weekly observation, the monitoring schedule for the source(s) shall revert back for a period not less than 30 days.

(b) All observed changes of fugitive and/or visible emissions shall be reported to the Site Supervisor or his designated representative.

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 of fugitives prescribed in the Monitoring Requirements in this section of the permit.

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

011 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

The permittee can modify the mixture of pollutants regulated under Section 112 of the Clean Air Act (42 U.S.C.A. 7412) which are VOC or PM10 so long as the emission limitations of this permit are not violated. The permittee shall keep a log which identifies the mixture of pollutants regulated under section 112 and report the changes in the mixture of pollutants regulated under section 112 with the next report required to be provided to the Department.

[Authority for this condition is derived from 25 Pa. Code §127.512(j).]

012 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

(a) The 6-month monitoring and deviation report, required under Section B Condition #025(b), shall be submitted to the Department within 30-days of the end of the reporting period.

The 6-month monitoring/deviation report shall cover the following periods unless otherwise approved by the Department:

- (1) January 1 through June 30
- (2) July 1 through December 31

(b) In accordance with 25 Pa. Code §127.513 and with Section B Condition #026 of this permit, the annual compliance certification report shall be submitted to both the Department and EPA within 30 days of the end of the reporting period.

The annual compliance certification shall cover the following period unless otherwise approved by the Department.

- January 1 through December 31.

(c) Electronic submissions to the Northwest Regional Office Air Quality program should be submitted by use of the OnBase-DEP Upload Form at the following address in lieu of sending paper copies to the Department.

**SECTION C. Site Level Requirements**

<https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

(d) Electronic compliance certifications may be sent to the EPA at the following email address.

R3_APD_Permits@epa.gov

Include the following in the email subject line:

- name of facility, state, and Title V operating permit number.

014 [25 Pa. Code §135.21]**Emission statements**

(a) [Not applicable]

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

- (1) A more frequent submission is required by the EPA.
- (2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) [Not applicable]

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

[Paragraphs (a), (b), and (d) of the regulation are printed under Emission Restrictions in this section of permit.]

(c) A person responsible for any source specified in 25 Pa. Code §123.1 (a)(1) through (a)(8) [Condition #001], above, 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.

016 [25 Pa. Code §129.14]**Open burning operations**

(a) [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

**SECTION C. Site Level Requirements**

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) [Not applicable]
 - (5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.
 - (6) A fire set solely for recreational or ceremonial purposes.
 - (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.

**SECTION C. Site Level Requirements**

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

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

The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F, relating to the on-site servicing, maintaining, repairing or disposal of appliances using ozone-depleting refrigerants, and with the applicable requirements of 40 CFR Part 82, Subpart B, relating to the on-site servicing of motor vehicle air conditioners.

[This requirement incorporates by reference the applicable requirements contained in 40 CFR Part 82, Subpart B and Subpart F.]

018 [25 Pa. Code §129.63a]**Control of VOC emissions from industrial cleaning solvents.**

25 Pa. Code § 129.63a. Control of VOC emissions from industrial cleaning solvents:

(a) Applicability. This section applies to the owner and the operator of a facility at which an industrial cleaning solvent is used or applied in a cleaning activity at a cleaning unit operation, a work production-related work area or a part, product, tool, machinery, equipment, vessel, floor or wall.

(b) Definitions. The following words and terms, when used in this section, have the following meanings unless the context clearly indicates otherwise:

Cleaning activity—The use or application of an industrial cleaning solvent to remove a contaminant, such as an adhesive, ink, paint, dirt, soil, oil or grease, by wiping, flushing, brushing, soaking, dipping, spraying or a similar effort.

Cleaning unit operation—

(i) An operation at a facility that is a source of VOC emissions from a cleaning activity.

(ii) The term includes the following cleaning activities:

(A) Spray gun cleaning, including the spray gun, attached paint lines and other spray gun equipment used to apply a coating.

(B) Spray booth cleaning, including the interior surfaces of the booth and the equipment contained within the booth.

(C) Manufactured components cleaning as a step in a manufacturing process, including automobile bodies, furniture, sheet metal, glass windows, engine components, subassemblies, sheet metal panels, molded parts, electrical contacts, steel and copper components, tin-plated or silver-plated terminals, plastic parts, upholstered parts, circuit breaker cases, switch covers, threads and bolts.

(D) Parts cleaning, including applicator tips, brushes, machine parts, pumps, circuit boards, truck parts, engine blocks, gauges, cutoff steel, machined parts, tool dies, motors and assemblies, screws, oil guns, welded parts, bearings and filters.

(E) Equipment cleaning of a piece of production equipment in place to prevent cross-contamination or for maintenance purposes, including punch presses, electrical contacts on equipment, pump parts, packaging equipment, rollers, ink pans, carts, press frames and table tops.

(F) Line cleaning, including a pipe, hose or other line that conveys material like paint or resin, that is cleaned separately from a spray gun, tank or other process equipment.

**SECTION C. Site Level Requirements**

(G) Floor cleaning in a production area of the facility.

(H) Tank cleaning, including a tank, mixing pot or process vessel and the attached lines.

(iii) The term does not include VOC emissions from the use or application of consumer products subject to Chapter 130, Subchapter B (relating to consumer products), including an institutional product or industrial and institutional product as defined in § 130.202 (relating to definitions) for cleaning offices, bathrooms or other areas that are not part of a cleaning unit operation or work production-related work area.

Industrial cleaning solvent—A product formulated with one or more regulated VOCs that is used in a cleaning activity for a cleaning unit operation.

Regulated VOC—An organic compound which participates in atmospheric photochemical reactions, that is, an organic compound other than those which the Administrator of the EPA designates in 40 CFR 51.100 (relating to definitions) as having negligible photochemical reactivity.

(c) Exceptions and exemptions.

(1) This section does not apply to all of the following:

(i) An owner or operator of a cleaning unit operation subject to § 129.63 (relating to degreasing operations) or 40 CFR Part 63, Subpart T (relating to National emission standards for halogenated solvent cleaning).

(ii) An owner or operator of a cleaning unit operation associated with a following category:

- (A) Aerospace manufacturing and rework operations.
- (B) Architectural coatings.
- (C) Automobile and light-duty truck assembly coatings.
- (D) Fabric coating.
- (E) Fiberglass boat manufacturing materials.
- (F) Flat wood paneling coatings.
- (G) Flexible packaging printing materials.
- (H) Graphic arts printing and coating operations.
- (I) Large appliance coatings.
- (J) Letterpress printing materials.
- (K) Lithographic printing materials.
- (L) Magnet wire coating operations.
- (M) Marine vessel coating.
- (N) Metal container, closure and coil coating.
- (O) Metal furniture coatings.
- (P) Miscellaneous metal parts coatings.
- (Q) Miscellaneous industrial adhesives.
- (R) Motor vehicle and mobile equipment coating operations.
- (S) Paper, film and foil coating.
- (T) Plastic parts coatings.
- (U) Polyester resin operations.
- (V) Semiconductor wafer fabrication operations.
- (W) Shipbuilding and repair coatings.
- (X) Wood furniture coatings.
- (Y) Wood products coating.
- (Z) Electrical and electronic components.
- (AA) Precision optics.
- (BB) Numismatic dies.
- (CC) Stripping of cured inks, coatings and adhesives.
- (DD) Cleaning of resin, coating, ink or adhesive mixing, molding and application equipment.
- (EE) Resin, coating, ink and adhesive manufacturing.
- (FF) Performance or quality assurance testing of coatings, inks or adhesives.

**SECTION C. Site Level Requirements**

- (GG) Flexible and rigid disc manufacturing.
- (HH) Research and development laboratories.
- (II) Medical device manufacturing.
- (JJ) Pharmaceutical manufacturing.
- (KK) Janitorial cleaning.
- (LL) Digital printing.

(2) The VOC emission limitations in subsection (e) do not apply to the use or application of an industrial cleaning solvent by the owner or operator of a cleaning unit operation at a facility subject to subsection (a) under either of the following circumstances:

(i) The use or application of the industrial cleaning solvent is subject to a standard or specification required by the United States Department of Defense, Federal Aviation Administration or other Federal government entity. An owner or operator claiming this exemption shall maintain records in accordance with subsection (h)(2).

(ii) The use or application of the industrial cleaning solvent is associated with the cleaning of screen printing equipment and the industrial cleaning solvent used or applied has an as applied VOC content that does not exceed 4.2 pounds of VOC per gallon (lb VOC/gal) (500 grams of VOC per liter (g VOC/l)) of industrial cleaning solvent. An owner or operator claiming this exemption shall maintain records in accordance with subsection (h)(3).

(3) The VOC emission limitations in subsection (e) and the work practice requirements in subsection (f) do not apply to the owner or operator of a facility subject to subsection (a) if the total combined actual VOC emissions from all subject cleaning unit operations at the facility are less than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls. An owner or operator claiming this exemption shall maintain records in accordance with subsection (h)(4).

(d) Existing RACT permit. The requirements of this section supersede the requirements of a RACT permit issued to the owner or operator of a cleaning unit operation subject to this section prior to August 11, 2018, under § § 129.91—129.95 (relating to stationary sources of NO_x and VOCs) to control, reduce or minimize VOCs from cleaning unit operation cleaning activities at the facility, except to the extent the RACT permit contains more stringent requirements.

(e) Emissions limitations. Beginning August 11, 2018, the owner or operator of a facility at which the total combined actual VOC emissions from all subject cleaning unit operations at the facility are equal to or greater than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls, may not cause or permit the emission into the outdoor atmosphere of VOCs from an industrial cleaning solvent used or applied in a cleaning unit operation subject to this section at the facility, unless one of the following limitations is met:

(1) Compliant solvents. The industrial cleaning solvent meets one of the following VOC limits:

- (i) A VOC content less than or equal to 0.42 lb VOC/gal (50 g VOC/l) as applied.
- (ii) A VOC composite vapor pressure less than or equal to 8 mm mercury at 68°F (20°C) as applied.

(2) VOC emissions capture system and add-on air pollution control device. The weight of VOCs emitted to the atmosphere from cleaning unit operation cleaning activities is reduced through the use of vapor recovery or incineration or another method that is acceptable under § 129.51(a) (relating to general). The overall emission reduction of a control system, as determined by the test methods and procedures specified in Chapter 139 (relating to sampling and testing), may be no less than 85% or may be no less than the equivalent efficiency as calculated by the following equation, whichever is less stringent:

$$O = (1 - E/V) \times 100$$

Where:

O = The overall required control efficiency.

E = 0.42 lb VOC/gal or 50 g VOC/l.

V = The VOC content of the industrial cleaning solvent in lb VOC/gal or g VOC/l.

**SECTION C. Site Level Requirements**

(f) Work practice requirements for industrial cleaning solvents, used shop towels and waste materials. The owner or operator of a facility subject to subsection (e) shall comply with all of the following work practices for industrial cleaning solvents and shop towels used in the cleaning unit operation cleaning activity:

- (1) Store all VOC-containing industrial cleaning solvents, used shop towels and related waste materials in closed containers.
- (2) Ensure that mixing and storage containers used for VOC-containing industrial cleaning solvents and related waste materials are kept closed at all times except when depositing or removing these materials.
- (3) Minimize spills of VOC-containing industrial cleaning solvents and related waste materials and clean up spills immediately.
- (4) Convey VOC-containing industrial cleaning solvents and related waste materials from one location to another in closed containers or pipes.
- (5) Minimize VOC emissions from cleaning of storage, mixing and conveying equipment.
- (6) Minimize air circulation around cleaning unit operations.

(g) Compliance demonstration. The owner or operator of a cleaning unit operation subject to this section shall demonstrate compliance as follows:

- (1) The owner or operator of a facility at which the total combined actual VOC emissions from all subject cleaning unit operations at the facility are equal to or greater than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls, shall do either of the following:
 - (i) Ensure that industrial cleaning solvents used or applied in the subject cleaning unit operations at the facility meet the applicable emissions limitation in subsection (e)(1) and maintain records in accordance with subsection (h)(1)(i).
 - (ii) Use a VOC emissions capture system and an add-on air pollution control device that meets the VOC emission reduction requirement under subsection (e)(2), equip the add-on air pollution control device with the applicable monitoring equipment and maintain records in accordance with subsection (h)(1)(ii). All of the following apply:
 - (A) The monitoring equipment shall be installed, calibrated, operated and maintained according to manufacturer's specifications at all times when the add-on air pollution control device is operating.
 - (B) The add-on air pollution control device must be operating when the cleaning activity is occurring.
 - (2) The owner or operator of a cleaning unit operation subject to this section claiming exemption under:
 - (i) Subsection (c)(2)(i) shall maintain records in accordance with subsection (h)(2).
 - (ii) Subsection (c)(2)(ii) shall maintain records in accordance with subsection (h)(3).
 - (iii) Subsection (c)(3) shall maintain records in accordance with subsection (h)(4).
 - (3) The owner or operator of a cleaning unit operation subject to this section shall determine the VOC content of the industrial cleaning solvent as applied by conducting sampling and testing of the industrial cleaning solvent in accordance with the procedures and test methods specified in subsections (i) and (j) and Chapter 139.
 - (4) The owner or operator of a cleaning unit operation subject to paragraph (3) may use other test methods or documentation to demonstrate compliance with this section if approved in advance in writing by the Department and the EPA.
- (h) Recordkeeping and reporting requirements. The owner or operator of a cleaning unit operation subject to this section

**SECTION C. Site Level Requirements**

shall comply with all of the following applicable recordkeeping and reporting requirements:

(1) The owner or operator of a facility at which the total combined actual VOC emissions from all subject cleaning unit operations at the facility are equal to or greater than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls, shall maintain all of the applicable records:

(i) For an owner or operator that complies with this section by using a complying industrial cleaning solvent under subsection (e)(1), records of all of the following parameters for each cleaning unit operation industrial cleaning solvent:

(A) The name and identification number.

(B) The weight percent of total volatiles, water and exempt solvents, as supplied.

(C) The VOC content or composite vapor pressure, as supplied. The composite vapor pressure as supplied shall be determined in accordance with subsections (i) and (j).

(D) The VOC content or composite vapor pressure, as applied. The composite vapor pressure as applied shall be determined in accordance with subsections (i) and (j).

(E) The volume used or applied on a monthly basis.

(ii) For an owner or operator that complies with this section through the use of a VOC emissions capture system and an add-on air pollution control device under subsection (e)(2), records sufficient to demonstrate all of the following:

(A) Sampling and testing conducted in accordance with Chapter 139 as required under subsection (e)(2).

(B) Calibration, operation and maintenance of the monitoring equipment installed under subsection (g)(1)(ii) in accordance with manufacturer's specifications.

(2) The owner or operator of a cleaning unit operation claiming exemption under subsection (c)(2)(i) shall maintain records of all of the following information for the exempt industrial cleaning solvent:

(i) A copy of the applicable standard or specification.

(ii) The VOC content or composite vapor pressure, as applied. The composite vapor pressure as applied shall be determined in accordance with subsections (i) and (j).

(iii) The volume used or applied monthly.

(3) The owner or operator of a screen printing equipment cleaning unit operation claiming exemption under subsection (c)(2)(ii) shall maintain records of all of the following information for the screen printing equipment industrial cleaning solvent:

(i) The name and identification number.

(ii) The VOC content or composite vapor pressure, as applied. The composite vapor pressure as applied shall be determined in accordance with subsections (i) and (j).

(iii) The volume used or applied monthly.

(4) The owner or operator of a facility claiming exemption under subsection (c)(3) shall maintain monthly records of the industrial cleaning solvents used or applied at the subject cleaning unit operations sufficient to demonstrate that the total combined actual VOC emissions from all subject cleaning unit operations at the facility are less than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls.

(5) Records shall be maintained onsite for 2 years, unless a longer period is required under Chapter 127 (relating to

**SECTION C. Site Level Requirements**

construction, modification, reactivation and operation of sources) or a plan approval, operating permit, consent decree or order issued by the Department.

(6) Records shall be submitted to the Department in an acceptable format upon receipt of a written request from the Department.

(i) Composite vapor pressure. The composite vapor pressure of organic compounds in cleaning unit operation industrial cleaning solvents shall be determined by one or more of the following procedures:

(1) Quantifying the amount of each compound in the blend using gas chromatographic analysis, using one or more of the following methods:

(i) An appropriate and current ASTM test method with prior written approval from the Department and the EPA.

(ii) Another test method demonstrated to provide results that are acceptable for purposes of determining compliance with this section if prior approval is obtained in writing from the Department and the EPA.

(2) Calculating the composite vapor pressure using the following equation:

Refer to regulation 25 Pa. Code § 129.63a(i)(2) for formula.

Where:

P_{pc} = VOC composite partial pressure at 20°C, in mm mercury.

W_i = Weight of the "i"th VOC compound, in grams, as determined by ASTM E260.

W_w = Weight of water, in grams, as determined by ASTM D3792.

W_e = Weight of the "e"th exempt compound, in grams, as determined by ASTM E260.

M_{wi} = Molecular weight of the "i"th VOC compound, in grams per g-mole, as given in chemical reference literature.

M_{ww} = Molecular weight of water, 18 grams per g-mole.

M_{we} = Molecular weight of the "e"th exempt compound, in grams per g-mole, as given in chemical reference literature.

VP_i = Vapor pressure of the "i"th VOC compound at 20°C, in mm mercury, as determined by subsection (j).

(3) Providing documentation from the manufacturer of the industrial cleaning solvent that indicates the composite vapor pressure. The documentation may include an MSDS, CPDS or other data certified by the manufacturer.

(j) Vapor pressure of single component compound. The vapor pressure of each single component compound in a cleaning unit operation industrial cleaning solvent shall be determined from one or more of the following:

(1) An appropriate and current ASTM test method with prior written approval from the Department and the EPA.

(2) The most recent edition of one or more of the following sources:

(i) Vapour Pressures of Pure Substances, Boublik, Elsevier Scientific Publishing Company.

(ii) Perry's Chemical Engineers' Handbook, Green and Perry, McGraw-Hill Book Company.

(iii) CRC Handbook of Chemistry and Physics, CRC Press.

(iv) Lange's Handbook of Chemistry, McGraw-Hill Book Company.

(3) Documentation provided by the manufacturer of the single component compound that indicates the vapor pressure of the single component compound. The documentation may include an MSDS, CPDS or other data certified by the manufacturer.

(k) ASTM method references. References to ASTM methods in this section pertain to test methods developed by ASTM International, 100 Barr Harbor Drive, Post Office Box C700, West Conshohocken, Pennsylvania 19428-2959, www.astm.org.

[Source: The provisions of this § 129.63a adopted August 10, 2018, effective August 11, 2018, 48 Pa. B. 4814.]

**SECTION C. Site Level Requirements****VIII. COMPLIANCE CERTIFICATION.**

The permittee shall submit within thirty days of 12/31/2010 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.

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: BOILER - 400 HP - 13.4 MILLION BTU/HR NAT. GAS

Source Capacity/Throughput: 13.400 MMBTU/HR
13.400 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: 01 - BOILERS

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.(a) NO_x emissions shall not exceed 5.66 tons per year based on any 12 consecutive month period.

(b) VOC emissions shall not exceed 0.24 tons per year based on any 12 consecutive month period.

[From condition 8 of RACT operating permit 43-196 as revised January 26, 2006. Authority for this condition is also derived from 25 Pa. Code 129.92]

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).

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

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

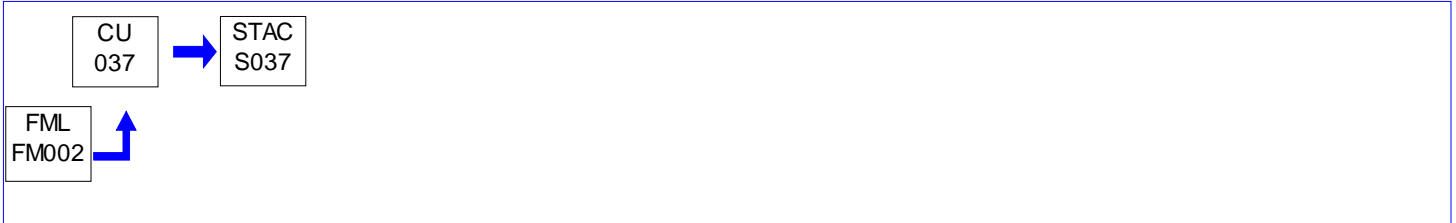
**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: BOILER - 800 HP - 26.8 MILLION BTU/HR NAT. GAS

Source Capacity/Throughput: 26.800 MMBTU/HR
26.800 MCF/HR NATURAL GAS

Conditions for this source occur in the following groups: 01 - BOILERS

**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**

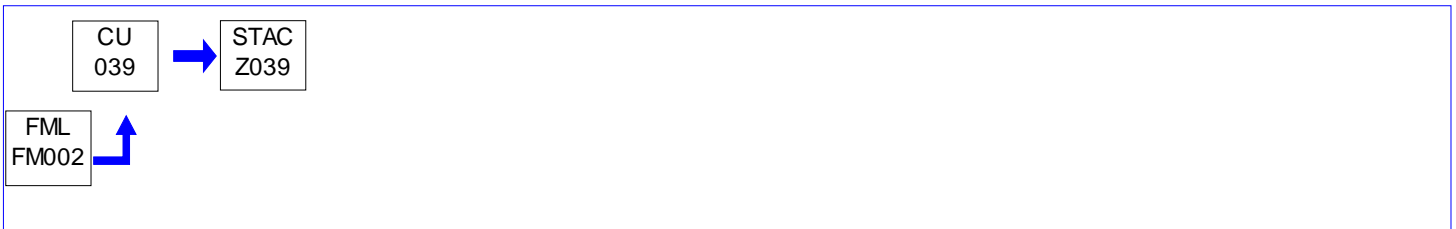
Source ID: 039

Source Name: MISC NATURAL GAS FIRED SOURCES

Source Capacity/Throughput: 100.000 MMBTU/HR

100.000 MCF/HR

NATURAL GAS

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

002 [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.

[Compliance with the requirements specified in this condition assures compliance with the provisions in SIP Approved SO₂ Limits of 40 CFR §52.2020(c)(1).]

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

The permittee shall burn only natural gas to show compliance with the emission restrictions for this source, except that the permittee may burn propane or LFG as back-up fuel.

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.**

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

[This condition is derived from and assures compliance with 25 Pa. Code §§ 129.93 and 129.97(c)(3).]

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: 106

Source Name: ENGINE PAINT BOOTH

Source Capacity/Throughput: 36.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 02 - PAINT BOOTHS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The VOC emissions from this source shall not exceed 24.2 tpy based on a consecutive 12-month period.

[From Plan Approval 43-196A, Section D, Source 106, Condition #002.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall maintain records of the following:

- (1) Monthly VOC emissions from this source;
- (2) Consecutive 12-month VOC emissions from this source.

[From Plan Approval 43-196A, Section D, Source 106, Condition #004.]

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).



SECTION D. Source Level Requirements

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

**SECTION D. Source Level Requirements**

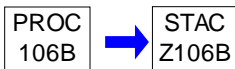
Source ID: 106B

Source Name: ENGINE CLEANING STATION

Source Capacity/Throughput:

1.000 Lbs/HR

AQUEOUS SOLUTION

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

VOC emissions from the engine cleaning operations shall not exceed 1.0 ton per year based on any consecutive 12-month period.

[From Condition 7 of RACT operating permit 43-196, as revised on January 26, 2006. Authority for this condition is also derived from 25 Pa. Code 129.92.]

Fuel Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall not perform engine-cleaning operations with mineral spirits without obtaining approval from the Department.

[This operating permit condition assures compliance with Condition 6 of RACT operating permit 43-196, as revised on January 26, 2006. Authority for this condition is also derived from 25 Pa. Code 129.92.]

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.**

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

**SECTION D. Source Level Requirements**

[Authority for this condition is also derived from 25 Pa. Code §§ 129.93 and 129.97.]

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: 114

Source Name: COMPONENT PAINT BOOTH

Source Capacity/Throughput: 1.000 Gal/HR PAINT

Conditions for this source occur in the following groups: 02 - PAINT BOOTHS

**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: 132A

Source Name: DIESEL ENGINE TEST CELL 1

Source Capacity/Throughput: 253.900 Gal/HR DIESEL

Conditions for this source occur in the following groups: 03 - TEST CELLS 1 THROUGH 4
 04 - TEST CELLS 1 THROUGH 5
 05 - ALL TEST CELLS
 10 - RACT RECORDKEEPING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**The NO_x emissions from Source 132A shall not exceed 413 tons per 12 consecutive month rolling period.

[From Condition # 3 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

Throughput Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Fuel consumption in Source 132A shall not exceed 2,007,537 gallons per 12 consecutive month rolling period.

[From Condition # 3 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

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: 132B

Source Name: DIESEL ENGINE TEST CELL 2

Source Capacity/Throughput: 253.900 Gal/HR DIESEL

Conditions for this source occur in the following groups: 03 - TEST CELLS 1 THROUGH 4
 04 - TEST CELLS 1 THROUGH 5
 05 - ALL TEST CELLS
 10 - RACT RECORDKEEPING

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

The NOx emissions from Source 132B shall not exceed 413 tons per 12 consecutive month rolling period.

[From Condition # 4 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

Throughput Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Fuel consumption in Source 132B shall not exceed 2,007,537 gallons per 12 consecutive month rolling period.

[From Condition # 4 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

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: 132C

Source Name: DIESEL ENGINE TEST CELL 3

Source Capacity/Throughput: 253.900 Gal/HR DIESEL

Conditions for this source occur in the following groups: 03 - TEST CELLS 1 THROUGH 4
 04 - TEST CELLS 1 THROUGH 5
 05 - ALL TEST CELLS
 10 - RACT RECORDKEEPING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**The NO_x emissions from Source 132C shall not exceed 435 tons per 12 consecutive month rolling period.

[From Condition # 5 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

Throughput Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Fuel consumption in Source 132C shall not exceed 1,829,089 gallons per 12 consecutive month rolling period.

[From Condition # 5 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

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. *****

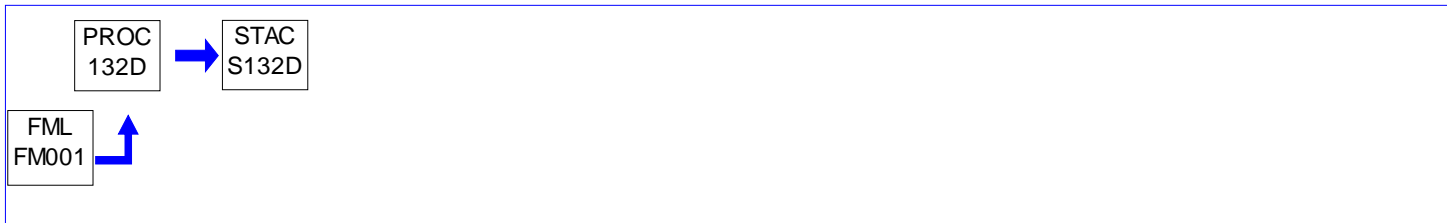
**SECTION D. Source Level Requirements**

Source ID: 132D

Source Name: DIESEL ENGINE TEST CELL 4

Source Capacity/Throughput: 307.000 Gal/HR DIESEL

Conditions for this source occur in the following groups: 03 - TEST CELLS 1 THROUGH 4
 04 - TEST CELLS 1 THROUGH 5
 05 - ALL TEST CELLS
 10 - RACT RECORDKEEPING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**The NO_x emissions from Source 132D shall not exceed 450.25 tons per 12 consecutive month rolling period.

[From Condition # 6 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

Throughput Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Fuel consumption in Source 132D shall not exceed 2,319,458 gallons per 12 consecutive month rolling period.

[From Condition # 6 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

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. *****

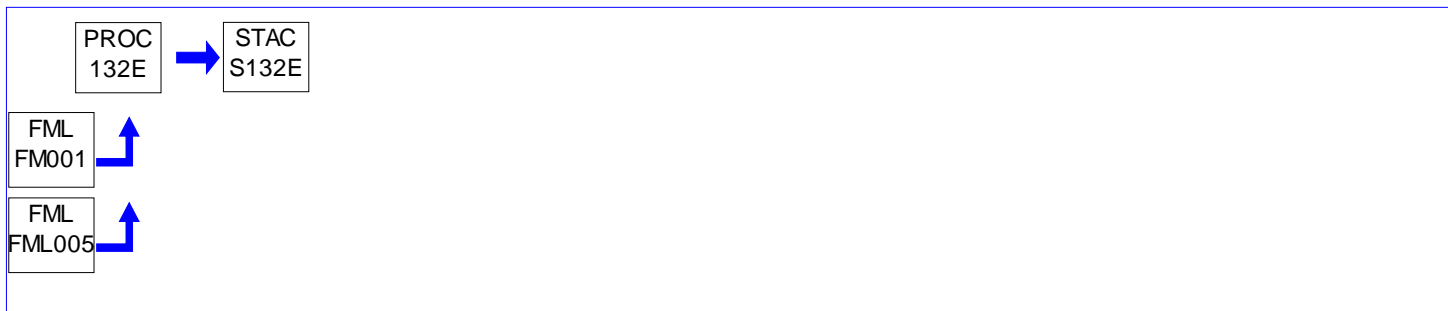
**SECTION D. Source Level Requirements**

Source ID: 132E

Source Name: DIESEL ENGINE TEST CELL 5

Source Capacity/Throughput: 380.000 Gal/HR DIESEL

Conditions for this source occur in the following groups: 04 - TEST CELLS 1 THROUGH 5
 05 - ALL TEST CELLS
 06 - FIVE YEAR TEST
 10 - RACT RECORDKEEPING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The following air contaminant emission limits are approved for the test cell.

- (1) The company shall limit the emissions of nitrogen oxides (calculated as NO₂) to 36.88 tons, or less, in any 12 consecutive month rolling period.
- (2) The company shall limit the emissions of carbon monoxide (CO) to 3.01 tons, or less, in any 12 consecutive month rolling period.
- (3) The company shall limit the emissions of sulfur dioxide (SO₂) to 1.44 tons, or less, in any 12 consecutive month rolling period.
- (4) The company shall limit the emissions of PM₁₀ to 0.77 tons, or less, in any 12 consecutive month rolling period.
- (5) The company shall limit the emissions of VOC to 1.24 tons, or less, in any 12 consecutive month rolling period.
- (6) The annual emission limit for the pollutants listed above includes the emissions from start-ups and shutdowns.

(b) The following short-term air contaminant emission limits are approved for this test cell.

- (1) The company shall limit the emissions of nitrogen oxides (calculated as NO₂) to 0.389 pounds per gallon.
- (2) The company shall limit the emissions of carbon monoxide (CO) to 0.045 pounds per gallon.
- (3) The company shall limit the emissions of sulfur dioxide (SO₂) to 0.00021 pounds per gallon when burning ULSD and 0.0043 pounds per gallon when burning Certification Fuel and 0.028 pounds per gallon when burning JP5.
- (4) The company shall limit the emissions of PM₁₀ to 0.017 pounds per gallon.
- (5) The company shall limit the emissions of volatile organic compounds (as methane) to 0.025 pounds per gallon.
- (6) Compliance with the short-term emission limits shall be determined by the average of the 3 runs conducted during the stack test.

**SECTION D. Source Level Requirements**

(7) The short-term emission limits apply at all times except during start-up and shutdown periods.

[From Plan Approval 43-196D, Section D, Source 132E, condition #001. Condition (a)(1) is also from Condition # 9 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal. Paragraphs (a)(3), (a)(4), & (b)(3) are also derived from the February 4, 2021, de minimis increase approval of JP5 fuel as documented in eRFD # 8692.]

Fuel Restriction(s).**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The company shall limit the sulfur content of the fuel combusted in the engine to a maximum of:

- (a) For ULSD: 15 ppm
- (b) For Certification Fuel: 300 ppm
- (c) For JP5 Fuel: 2,000 ppm

[Paragraphs (a) and (b) are from Plan Approvals 43-196C and 43-196D, Section D, Source 132E, Condition #002. Paragraph (c) is derived from the February 4, 2021, de minimis increase approval of JP5 fuel as documented in eRFD # 8692.]

Throughput Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The company shall limit the amount of fuel combusted in this test cell to 478,180 gallons in a 12 month rolling period of which 100,000 gallons per 12 month period can be either JP5 or certification fuel.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132E, Condition #003, as modified with the February 4, 2021, de minimis increase approval of JP5 fuel as documented in eRFD # 8692.. This condition is also from Condition # 7 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The company shall, on a monthly basis, keep a record of the fuel combusted in each test cell.
- (b) The company shall keep a record of the sulfur content (in ppm) in the fuel being combusted in the test cell.
- (c) The company shall keep a record of any mass balance calculation(s) for sulfur dioxide to demonstrate that the short-term emission limit for sulfur dioxide has not been exceeded.

[From Plan approval 43-196D, Section D, Source 132E, Condition 006, paragraphs (f), (g), & (i).]

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

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

VI. WORK PRACTICE REQUIREMENTS.

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: 132F

Source Name: DIESEL ENGINE TEST CELL 6

Source Capacity/Throughput: 380.000 Gal/HR DIESEL

Conditions for this source occur in the following groups: 05 - ALL TEST CELLS
06 - FIVE YEAR TEST

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The following air contaminant emission limits are approved for the test cell.

(1) The company shall limit the emissions of nitrogen oxides (calculated as NO₂) to 9.03 tons, or less, in any 12 consecutive month rolling period.

(2) The company shall limit the emissions of carbon monoxide (CO) to 0.23 tons, or less, in any 12 consecutive month rolling period.

(3) The company shall limit the emissions of sulfur dioxide (SO₂) to 0.10 tons, or less, in any 12 consecutive month rolling period.

(4) The company shall limit the emissions of PM₁₀ to 0.17 tons, or less, in any 12 consecutive month rolling period.

(5) The company shall limit the emissions of VOC to 0.17 tons, or less, in any 12 consecutive month rolling period.

(6) The annual emission limit for the pollutants listed above includes the emissions from start-ups and shutdowns.

Start-up is defined as the period from when the engine is started and operating continuously until the catalyst is at the minimum operating temperature.

(b) The following short-term air contaminant emission limits are approved for this test cell.

(1) The company shall limit the emissions of ammonia to 10 ppm_{dv}, or less.

(2) The company shall limit the emissions of nitrogen oxides (calculated as NO₂) to 0.389 pounds per gallon.

(3) The company shall limit the emissions of carbon monoxide (CO) to 0.045 pounds per gallon.

(4) The company shall limit the emissions of sulfur dioxide (SO₂) to 0.00021 pounds per gallon when burning ULSD and 0.0043 pounds per gallon when burning Certification Fuel.

(5) The company shall limit the emissions of PM₁₀ to 0.017 pounds per gallon.

(6) The company shall limit the emissions of volatile organic compounds (as methane) to 0.025 pounds per gallon.

(7) Compliance with the short-term emission limits shall be determined by the average of the 3 runs conducted during the stack test.

**SECTION D. Source Level Requirements**

(8) The short-term emission limits apply at all times expect during start-up and shutdown periods.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #001. The SO₂ limit is modified from 0.07 tpy to 1.10 tpy in accordance with a May 23, 2022, de minimis approval of RFD # 9711.]

Fuel Restriction(s).

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The company shall limit the sulfur content of the fuel combusted in the engine to a maximum of:

- (1) For ULSD: 15 ppm
- (2) For Certification Fuel: 300 ppm

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #002.]

Throughput Restriction(s).

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The company shall limit the amount of fuel combusted in this test cell to 509,394 gallons in a 12 month rolling period.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #003.]

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.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- (a) The company shall continuously monitor the temperature of the effluent from the selective catalyst reduction system when an engine is operating in the test cell.
- (b) The company shall continuously monitor the inlet and outlet temperature of the catalyst bed for both the SCR and the DOC when an engine is operating in the test cell.
- (c) The company shall, at least once per day, during daylight hours, when an engine is operating in the test cell, perform a Method 22-like visual observation to determine if there are any visible emissions from the stack of the test cell. If any emissions are detected by a Method 22-like procedure, a Method 9 test shall be performed immediately. If a Method 9 certified observer is not available at the time emissions are detected by the Method 22-like procedure, the Method 9 test shall be performed within 24-hours, except that the Method 9 test may be performed within 48 hours if emissions are detected on a Saturday, Sunday, or holiday. If a Method 9 test cannot be performed immediately, the rationale for testing at a later time shall be documented and these records kept for a period of five years. The Department shall be notified, in writing, of any such occurrence immediately.

The approved frequency is Method 22 like visual observation at least once per 24-hour period when in operation and Method 9 if emissions are detected by Method 22 like visual observation.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #005.]

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

**SECTION D. Source Level Requirements**

- (a) The permittee shall perform a daily operational inspection of the control device (the DPF, the DOC, and the SCR system).
- (b) As part of this operational inspection, the facility shall monitor
- (1) the inlet and out temperature of the catalyst bed for both the SCR and the DOC;
 - (2) the inlet temperature of the SCR; and
 - (3) shall conduct a visible emission (VE) observation of the stack.
- (c) The VE observation shall be 60 seconds in length and if any visible emissions are observed, a Method 9 observation shall be conducted to determine compliance with the opacity limitations.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #007(a).]

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

The permittee shall record the following operational data from the control device. The requirement for these records may be met with strip charts recorders, data acquisition systems, or manual log entries.

- (1) Inlet & Outlet Temperature of catalyst bed for both the SCR and the DOC - daily defined as once per calendar day
- (2) Visible emission check - daily defined as once per calendar day

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #006(b).]

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

(a) The company shall keep a copy of the control device manufacturer's specifications for:

- (1) the (DPF) diesel particulate filter;
- (2) the (DOC) diesel oxidation catalyst;
- (3) the (SCR) selective catalytic reduction system.

(b) The permittee shall maintain a record of all preventive maintenance inspections of the control device. These records shall include, at a minimum, the dates of the inspections, the name of the person performing the inspection, any problems or defects identified, any actions taken to correct the problems or defects, and any routine maintenance performed.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #006 (c) & (d).]

008 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The company shall, on a monthly basis, keep a record of the fuel combusted in each test cell.

(b) The company shall keep a record of the sulfur content (in ppm) in the fuel being combusted in the test cell.

(c) The company shall keep a record of:

- (1) the date and time that engine started operation in the test cell;
- (2) the date and time that the engine ceased operation in the test cell;
- (3) the total amount of time that the engine operated in the test cell;
- (4) the inlet temperature for the catalyst bed at the time the engine started operation in the cell; and
- (5) the outlet temperature for the catalyst bed at the time the engine started operation in the cell.

(d) The company shall keep a record of any mass balance calculation(s) for sulfur dioxide to demonstrate that the short-term emission limit for sulfur dioxide has not been exceeded.

**SECTION D. Source Level Requirements**

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #006, paragraphs (f), (g), (h), & (i).]

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

The company shall operate the control device (the DPF, the DOC, and the SCR system) any time an engine is being operated in the test cell.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #007(b).]

010 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The company shall limit the temperature of the effluent from the selective catalytic reduction system to a maximum of 950° F and a minimum of 570° F.

(b) The temperature range may be amended upon the company demonstrating that the temperature range is different during operation. The new temperature range will be incorporated in to the facility's operating permit.

[From Plan Approvals 43-196C and 43-196D, Section D, Source 132F, Condition #007(c).]

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: EMERGENCY GENERATORS (2) NATL GAS, 125 HP & 250 HP

Source Capacity/Throughput: 3,375.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 07 - PA CODE FOR ENGINES
09 - NESHAP FOR EMERGENCY RICE

**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: EMERGENCY DIESEL FIRE PUMP 185 HP

Source Capacity/Throughput: 12.000 Gal/HR #2 OIL

Conditions for this source occur in the following groups: 07 - PA CODE FOR ENGINES
09 - NESHAP FOR EMERGENCY RICE

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

NOx emissions from the diesel fire pump shall not exceed 1.4 tons in any 12 consecutive month period.

[From RACT operating permit OP-43-196, Condition 5.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall maintain the daily fuel consumption records for the diesel fire pump when in operation.

[From RACT operating permit OP-43-196, Condition 5.]

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

By January 30 of each year, the permittee shall submit to the Department a report on the fuel consumption and NOx emissions from the diesel fire pump for the previous calendar year.

[From RACT operating permit OP-43-196, Condition 5.]

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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: 140

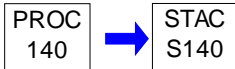
Source Name: CLEANING OPERATIONS

Source Capacity/Throughput:

4.000 Lbs/HR

CLEANING SOLVENTS

Conditions for this source occur in the following groups: 10 - RACT RECORDKEEPING

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

(a) The VOC emissions from this source (as described in the Miscellaneous section of this permit) shall not exceed 16 tons in any 12 consecutive month period.

(b) The emissions shall be calculated based on mass balance accounting for all VOC containing materials.

[This condition was added at the July 8, 2010, Title V renewal issuance.]

[Compliance with this operating permit condition is also derived from and assures compliance with the June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal for Source 140, Cleaning Operations.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

(a) The facility shall keep records of the quantities of VOC containing materials used in this source.

(b) The records shall be maintained on a monthly basis using purchasing or usage file documents and indicate the VOC emissions from the source on a 12-month rolling total.

(c) The records shall be kept on-site for a minimum of 5 years and forwarded to the Department upon request.

[Compliance with this operating permit condition is also derived from and assures compliance with the June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal for Source 140, Cleaning Operations.]

V. REPORTING REQUIREMENTS.

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

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

Good housekeeping and work practices shall be used to minimize spillage.

[Compliance with this operating permit condition is also derived from and assures compliance with the June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal for Source 140, Cleaning Operations.]

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

For the purposes of the June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal for Source 140, this source consisted of the following emission points at the time of the § 129.96 RACT II applicability date of July 20, 2012.

- S21 FDL Steam Booth A-27
- S38 Evo Steam Booth A-19 (Stack ID changed from Z01 to S38 at 2022 TV renewal.)
- S22 Frame Tank A-17
- S23 UX Steam Booth A-15
- S24 Proceco Washer A-14
- S28 E-Mark Jet Washer J-31
- S29 Proceco Washer G-32
- Z30 Hurricane Washer R-43 (Stack ID changed from S30 to Z30 at 2022 TV renewal since hurricane washer now exhausts indoors.)
- S37 Turbo Line Steam Booth E-41 -- The original steam booth was replaced with a new booth at location E-41 in 2018. The new booth with a stack designation of S36 was RFD approved on Dec. 14, 2014, and is not subject to the provision of RACT II because it was installed after the § 129.96 applicability date of July 20, 2012. Stack ID changed from S36 to S37 at 2022 TV renewal.
- S33 Intex Tank E-41 -- This vented cleaning tank was removed from the facility and not replaced. [Ref. Sept. 28, 2018, Application for TV mod.]
- S34 Two Open Top Tanks K-41
- S35 Frame Washer C-27 (added January 2013).
- S36 Crank Washer B-26 (added March 2013).

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

**SECTION D. Source Level Requirements**

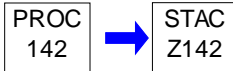
Source ID: 142

Source Name: ADHESIVE APPLICATION ACTIVITIES

Source Capacity/Throughput:

1.000 Lbs/HR

ADHESIVE

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

(a) This section applies to the owner or operator of a facility that uses or applies one or more of the following at the facility on or after January 1, 2012:

- (1) An adhesive, sealant, adhesive primer or sealant primer subject to the VOC content limits in Table V.
- (2) An adhesive or sealant product applied to the listed substrate subject to the VOC content limits in Table VI.
- (3) A surface preparation solvent or cleanup solvent.

(b) On or after January 1, 2012, an owner or operator of a facility may not use or apply at the facility an adhesive, sealant, adhesive primer or sealant primer that exceeds the applicable VOC content limit in Table V or VI, except as provided elsewhere in this section.

(c) On or after January 1, 2012, an owner or operator of a facility may not use or apply at the facility a surface preparation or cleanup solvent that exceeds the applicable VOC content limit or composite partial vapor pressure requirements of this section, except as provided elsewhere in this section.

(d) The VOC content limits in Table VI for adhesives or sealants applied to particular substrates apply as follows:

(1) If an owner or operator of a facility uses or applies at the facility an adhesive or sealant subject to a specific VOC content limit in Table V, the specific limit is applicable rather than the adhesive-to-substrate limit in Table VI.

(2) If an owner or operator of a facility uses or applies at the facility an adhesive to bond dissimilar substrates together, the applicable substrate category with the highest VOC content limit is the limit for this use.

(e) An owner or operator of a facility subject to this section using or applying a surface preparation solvent or cleanup solvent at the facility may not:

- (1) Except as provided in paragraph (2) for single-ply roof membrane, use materials containing VOCs for surface

**SECTION D. Source Level Requirements**

preparation, unless the VOC content of the surface preparation solvent is less than 70 grams per liter of material or 0.6 pound of VOC per gallon of material.

(2) Use materials containing VOCs for surface preparation or cleanup when applying single-ply roof membrane, unless the composite partial vapor pressure, excluding water and exempt compounds, of the surface preparation solvent or cleanup solvent is less than or equal to 45 mm mercury at 20° C.

(3) Except as provided in subsection (f), use cleanup solvent materials containing VOCs for the removal of adhesives, sealants, adhesive primers or sealant primers from surfaces, other than from the parts of spray application equipment, unless the composite partial vapor pressure of the solvent is less than or equal to 45 mm mercury at 20° C.

(f) - (g) [Paragraphs (f) and (g) of the regulation are not applicable to this facility.]

(h) An owner or operator of a facility subject to this section shall store or dispose of all absorbent materials, including cloth or paper, which are moistened with adhesives, sealants, primers, surface preparation solvents or cleanup solvents subject to this section, in nonabsorbent containers at the facility that are kept closed except when placing materials in or removing materials from the container.

(i) An owner or operator of a facility subject to this section may not solicit, require or specify the use or application of an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the use or application would result in a violation of this section, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g). The prohibition of this subsection applies to all written or oral contracts created on or after January 1, 2012, under which an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent subject to this section is to be used or applied at a facility in this Commonwealth.

(j) An owner or operator of a facility subject to this section who uses or applies an adhesive, sealant, adhesive primer or sealant primer subject to this section may not add solvent to the adhesive, sealant, adhesive primer or sealant primer in an amount in excess of the manufacturer's recommendation for application, if this addition causes the adhesive, sealant, adhesive primer or sealant primer to exceed the applicable VOC content limit listed in Table V or VI, unless the emissions are controlled through the use of add-on air pollution control equipment as specified in subsection (g).

(k) This section does not apply to the use or application of the following compounds or products:

(1) Adhesives, sealants, adhesive primers or sealant primers being tested or evaluated in a research and development, quality assurance or analytical laboratory, if records are maintained as required in subsections (p) and (q).

(2) Adhesives, sealants, adhesive primers or sealant primers that are subject to § 129.73 (relating to aerospace manufacturing and rework) or Chapter 130, Subchapter B or C (relating to consumer products; and architectural and industrial maintenance coatings).

(3) Adhesives and sealants that contain less than 20 grams of VOC per liter of adhesive or sealant, less water and less exempt compounds, as applied.

(4) Cyanoacrylate adhesives.

(5) Adhesives, sealants, adhesive primers or sealant primers that are sold or supplied by the manufacturer or supplier in containers with a net volume of 16 fluid ounces or less, or a net weight of 1 pound or less, except plastic cement welding adhesives and contact adhesives.

(6) Contact adhesives that are sold or supplied by the manufacturer or supplier in containers with a net volume of 1 gallon or less.

(l) This section does not apply to the use of adhesives, sealants, adhesive primers, sealant primers, surface preparation solvents or cleanup solvents in the following operations:

(1) Tire repair operations, if the label of the adhesive states, "For tire repair only."

**SECTION D. Source Level Requirements**

(2) [Not applicable.]

(3) [Not applicable.]

(4) Plaque laminating operations in which adhesives are used to bond clear, polyester acetate laminate to wood with lamination equipment installed prior to July 1, 1992. An owner or operator claiming an exemption under this paragraph shall record and maintain operational records sufficient to demonstrate compliance with this exemption, in accordance with subsections (o)- (q).

(m) This section does not apply if the total VOC emissions from all adhesives, sealants, adhesive primers and sealant primers used or applied at the facility are less than 200 pounds or an equivalent volume, per calendar year. An owner or operator of a facility claiming exemption under this subsection shall record and maintain operational records sufficient to demonstrate compliance with this exemption, in accordance with subsections (o)-(q).

(n) This section does not apply to the use or application of a noncomplying adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the total volume of noncomplying adhesives, sealants, primers, surface preparation and cleanup solvents used or applied facility-wide does not exceed 55 gallons per calendar year. An owner or operator of a facility claiming exemption under this subsection shall record and maintain operational records sufficient to demonstrate compliance with this exemption, in accordance with subsections (o)–(q).

(o) Except as provided in subsection (p), each owner or operator subject to this section shall maintain records demonstrating compliance with this section, including the following information:

(1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.

(2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under paragraph (1).

(3) The VOC content of each product on the list required under paragraph (1), as supplied.

(4) Catalysts, reducers or other components used and the mix ratio.

(5) The VOC content or vapor pressure of each product on the list required by paragraph (1), as applied, if solvent or other VOC is added to the product before application.

(6) The volume purchased or produced of each product on the list required under paragraph (1).

(7) The monthly volume used or applied as part of a manufacturing process at the facility of each product on the list required under paragraph (1).

(p) For an adhesive, sealant, adhesive primer and sealant primer product subject to the laboratory testing exemption of subsection (k)(1), the person conducting the testing shall make and maintain records of all products used, including the following information:

(1) The product name.

(2) The product category of the material or type of application.

(3) The VOC content of the material.

(q) Records made to determine compliance with this section shall be:

(1) Maintained onsite for 5 years from the date the record is created.

(2) Made available to the Department upon receipt of a written request.

**SECTION D. Source Level Requirements**

(r) - (ff) [Paragraphs (r) through (ff) of the regulation are not applicable to this facility.]

Table V. VOC Content Limits for Adhesives, Sealants, Adhesive Primers and Sealant Primers, As Applied

Adhesive, sealant, adhesive primer or sealant primer category	VOC Content Limit (pounds VOC per gallon)*	VOC Content Limit (grams VOC per liter)*
Adhesives		
ABS welding	3.3	400
Ceramic tile installation	1.1	130
Computer diskette jacket manufacturing	7.1	850
Contact bond	2.1	250
Cove base installation	1.3	150
CPVC welding	4.1	490
Indoor floor covering installation	1.3	150
Metal to urethane/rubber molding or casting	7.1	850
Multipurpose construction	1.7	200
Nonmembrane roof installation/repair	2.5	300
Outdoor floor covering installation	2.1	250
Perimeter bonded sheet vinyl flooring installation	5.5	660
Plastic cement welding, other than ABS, CPVC or PVC welding	4.3	510
PVC welding	4.3	510
Sheet rubber installation	7.1	850
Single-ply roof membrane installation/repair	2.1	250
Structural glazing	0.8	100
Thin metal laminating	6.5	780
Tire retread	0.8	100
Waterproof resorcinol glue	1.4	170
Sealants		
Architectural	2.1	250
Marine deck	6.3	760
Nonmembrane roof installation/repair	2.5	300
Roadway	2.1	250
Single-ply roof membrane	3.8	450
Other	3.5	420
Adhesive Primers		
Automotive glass	5.8	700
Plastic cement welding	5.4	650
Single-ply roof membrane	2.1	250
Traffic marking tape	1.3	150
Other	2.1	250
Sealant Primers		
Marine deck	6.3	760
Nonporous architectural	2.1	250
Porous architectural	6.5	775
Other	6.3	750

*The VOC content is determined as the weight of VOC per volume of product, less water and exempt compounds, as

**SECTION D. Source Level Requirements**

specified in subsections (bb) and (cc) or as the weight of VOC per volume of product, as specified in subsection (dd).

Table VI. VOC Content Limits for Adhesive or Sealant Products Applied to Particular Substrates, As Applied

Adhesive or Sealant Products Applied to the Listed Substrate	VOC content limit (pounds VOC per gallon)*	VOC Content Limit (grams VOC per liter)*
Fiberglass	1.7	200
Flexible vinyl	2.1	250
Metal	0.3	30
Porous material	1.0	120
Rubber	2.1	250
Other substrates	2.1	250

*The VOC content is determined as the weight of VOC per volume of product, less water and exempt compounds, as specified in subsections (bb) and (cc) or as the weight of VOC per volume of product, as specified in subsection (dd).

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. *****

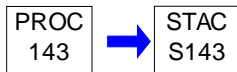
**SECTION D. Source Level Requirements**

Source ID: 143

Source Name: ADDITIVE LAB EMERGENCY GENERATOR, NATL GAS, 259 HP

Source Capacity/Throughput: 1.000 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 07 - PA CODE FOR ENGINES
08 - NSPS FOR EMERGENCY SI RICE

**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**

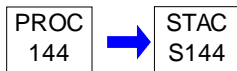
Source ID: 144

Source Name: ADDITIVE MANUFACTURING (3D PRINTING)

Source Capacity/Throughput:

1.000 Gal/HR

BINDER

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

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

VII. ADDITIONAL REQUIREMENTS.

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

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

**SECTION D. Source Level Requirements**

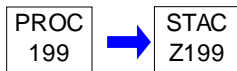
Source ID: 199

Source Name: OTHER MISCELLANEOUS VOC SOURCES

Source Capacity/Throughput:

1.000 Lbs/HR

VOC SOURCES

**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: 01 - BOILERS

Group Description: Restrictions & Requirements common to both boilers

Sources included in this group

ID	Name
031	BOILER - 400 HP - 13.4 MILLION BTU/HR NAT. GAS
037	BOILER - 800 HP - 26.8 MILLION BTU/HR NAT. GAS

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the rate of 0.4 pound per million Btu of heat input.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, 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.

[Compliance with the requirement specified in this condition assures compliance with the provisions specified in: SIP Approved SO₂ Limits of 40 CFR §52.2020(c)(1).]

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

The permittee shall burn only natural gas to show compliance with emission restrictions of 25 Pa. Code §§ 123.11 and 123.22.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

(a) The permittee shall record each adjustment conducted under the procedures of the annual tune-up. This log shall contain, at a minimum, the following information:

- (i) The date of the tuning procedure;
- (ii) The name of the service company and the technicians performing the procedure;
- (iii) The final operating rate or load;
- (iv) The final CO and NO_x emission rates;
- (v) The final excess oxygen rate;
- (vi) Other information required by the applicable operating permit.

(b) Records of the tune-ups and adjustments shall be retained on site for a minimum of 5 years and shall be made available to Department personnel upon request.

[This operating permit condition is derived from and assures compliance with the following:

**SECTION E. Source Group Restrictions.**

- Conditions 8 and 9 of RACT operating permit 43-196 as revised January 26, 2006, for Sources 031 & 037;
- The RACT I requirements of 25 Pa. Code §§ 129.91 through 129.95; and
- The RACT II requirement of § 129.100(g) for Source 037.]

V. REPORTING REQUIREMENTS.

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

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

(a) The permittee shall perform an annual adjustment or tune-up on the combustion process. This adjustment shall include, at a minimum, the following:

(i) Inspection, adjustment, cleaning or replacement of fuel -burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.

(ii) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x and to the extent practicable to minimize emissions of CO.

(iii) Inspection of the air-to fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

(b) For oil and gas and combination oil/gas fired units, the owner and operator shall make the annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

[This operating permit condition is derived from and assures compliance with the following:

- Conditions 8 and 9 of RACT operating permit 43-196 as revised January 26, 2006 for both the 400 hp boiler of Source 031 and the 800 hp boiler of Source 037;
- The RACT I requirements of 25 Pa. Code § 129.93;
- Plan approval 43-196B, Section D, Source 037, condition #006; and
- The RACT II requirements of 25 Pa. Code § 129.97(b)(1).]

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

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

[This operating permit condition is derived from and assures compliance with the following:

- Condition 12 of RACT operating permit 43-196 as revised January 26, 2006;
- The RACT I requirement of 25 Pa. Code §129.93;
- Plan approval 43-196B, Section D, Source 037, condition #005; and
- The RACT II requirement of 25 Pa. Code § 129.97(c)(3).]

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: 02 - PAINT BOOTHS

Group Description: Requirements common to all paint booths

Sources included in this group

ID	Name
106	ENGINE PAINT BOOTH
114	COMPONENT PAINT BOOTH

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 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 §129.52d]**Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surf:**

(a) Applicability.

(1) This section applies to the owner and operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, if the total actual VOC emissions from all miscellaneous metal part coating units and miscellaneous plastic part coating units, including related cleaning activities, at the facility are equal to or greater than 2.7 tons per 12-month rolling period, before consideration of controls.

(2) This section applies, as specified, to the owner and operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, if the total actual VOC emissions from all miscellaneous metal part coating units and miscellaneous plastic part coating units, including related cleaning activities, at the facility are below 2.7 tons per 12-month rolling period, before consideration of controls.

(3) Compliance with the VOC emission limits and other requirements of this section assures compliance with the VOC emission limits and other requirements of § 129.52 (relating to surface coating processes) for the miscellaneous metal parts and products surface coating processes as specified in § 129.52, Table I, Category 10.

(4) [Paragraph (a)(4) is not applicable to this facility.]

(5) This section does not apply to an owner or operator in the use or application of the following:

(i) Aerosol coatings that meet the requirements of 40 CFR Part 59, Subpart E (relating to National volatile organic compound emission standards for aerosol coatings).

(ii) Aerospace coatings.

(iii) Architectural coatings.

(iv) Automobile refinishing coatings.

(v) Auto and light-duty truck assembly coatings.

(vi) Can, coil or magnet wire coatings.

(vii) Coating applied to a test panel or coupon, or both, in research and development, quality control or performance testing activities, if records are maintained as required under subsections (e) and (f).

(viii) Fiberglass boat manufacturing materials.

(ix) Flat wood paneling coatings.

(x) Large appliance coatings.

(xi) Metal furniture coatings.

(xii) Miscellaneous industrial adhesives.

(xiii) Paper, film and foil coatings.

(xiv) Shipbuilding and repair coatings.

(xv) Wood furniture coatings.

(b) [Refer to ADDITIONAL REQUIREMENTS in this section of permit for the definitions of paragraph (b) of the regulation.]

**SECTION E. Source Group Restrictions.**

(c) Existing RACT permit. The requirements of this section supersede the requirements of a RACT permit issued under §§ 129.91 - 129.95 (relating to stationary sources of NO_x and VOCs) to the owner or operator of a source subject to subsection (a) prior to January 1, 2017, to control, reduce or minimize VOCs from a miscellaneous metal part or miscellaneous plastic part surface coating process, except to the extent the RACT permit contains more stringent requirements.

(d) Emission limitations. Beginning January 1, 2017, a person subject to subsection (a)(1) may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless emissions of VOCs are controlled in accordance with paragraph (1), (2) or (3).

(1) Compliant materials option. The VOC content of each miscellaneous metal part coating or each miscellaneous plastic part coating, as applied, excluding water and exempt compounds, is equal to or less than the VOC content limit for the applicable coating category specified in the applicable table of VOC content limits in Tables I - V. [Note: Table I is applicable to sources at this facility and is printed in this permit; Tables II - V are not applicable.]

(2) [Paragraph (d)(2) is not applicable to this facility.]

(3) [Paragraph (d)(3) is not applicable to this facility.]

(4) Least restrictive VOC limit. If more than one VOC content limit or VOC emission rate limit applies to a specific coating, then the least restrictive VOC content limit or VOC emission rate limit applies.

(5) Coatings not listed in Table I, II, VI or VII. For a miscellaneous metal part or miscellaneous plastic part coating that does not meet the coating categories listed in Table I, II, VI or VII, the VOC content limit or VOC emission rate limit shall be determined by classifying the coating as a general one component coating or general multicomponent coating. The corresponding general one component coating or general multicomponent coating limit applies. [Note, only Table I applies to this facility; Tables II, VI, and VII do not apply.]

(6) [Paragraph (d)(6) is not applicable to this facility.]

(e) Compliance and monitoring requirements.

(1) All owners and operators. Regardless of the facility's VOC emissions, the owner or operator of a miscellaneous metal part surface coating process or miscellaneous plastic part surface coating process, or both, subject to subsection (a)(1) or (2), shall comply with this section as specified throughout this section. For an owner or operator subject only to subsection (a)(2), the compliance requirements are the recordkeeping requirements in subsection (f)(2).

(2) [Paragraph (e)(2) is not applicable to this facility.]

(f) [Paragraph (f) is printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

(g) Coating application methods. A person subject to subsection (a)(1) may not cause or permit the emission into the outdoor atmosphere of VOCs from a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, unless the coatings are applied using one or more of the following coating application methods:

(1) Electrostatic coating.

(2) Flow coating.

(3) Dip coating, including electrodeposition.

(4) Roll coating.

(5) High volume-low pressure (HVLP) spray coating.

(6) Airless spray coating.

(7) Air-assisted airless spray coating.

(8) Other coating application method if approved in writing by the Department prior to use.

(i) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spray coating.

(ii) The owner or operator shall submit the request for approval to the Department in writing.

(h) Exempt coatings and exempt coating unit operations.

**SECTION E. Source Group Restrictions.**

(1) The requirements of subsections (d) and (g) do not apply to the application of the following coatings to a metal part:

- (i) Stencil coating.
- (ii) Safety-indicating coating.
- (iii) Solid-film lubricant.
- (iv) Electric-insulating and thermal-conducting coating.
- (v) Magnetic data storage disk coating.
- (vi) Plastic extruded onto metal parts to form a coating.
- (vii) Powder coating.

(2) [Paragraph (h)(2) is not applicable to this facility.]

(3) [Paragraph (h)(3) is not applicable to this facility.]

(4) The requirements of subsection (g) do not apply to the following activities:

- (i) Application of a touch-up coating, repair coating or textured finish to a metal part.
- (ii) Application of a powder coating to the following:
 - (A) Plastic part.
 - (B) Automotive-transportation plastic part.
 - (C) Business machine plastic part.
- (iii) Airbrush application of coating to a metal part or plastic part using no more than 5 gallons of coating per year.
- (iv) Use of an add-on air pollution control device to comply with subsection (d).
- (v) Application of extreme high-gloss coating in a pleasure craft surface coating operation.

(i) [Paragraph (i) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(j) [Paragraph (j) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(k) [Paragraph (k) is printed under RECORDKEEPING REQUIREMENTS in this section of permit.]

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

003 [25 Pa. Code §129.52d]**Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surf:**

Table I. VOC Content Limits for Metal Parts and Products
Surface Coatings

Weight of VOC per Volume of Coating,
Less Water and Exempt Compounds, as Applied

Coating Category	Air Dried		Baked	
	kg VOC/ liter coating	lb VOC/ gal coating	kg VOC/ liter coating	lb VOC/ gal coating
General One-component	0.34	2.8	0.28	2.3
General Multicomponent	0.34	2.8	0.28	2.3
Camouflage	0.42	3.5	0.42	3.5
Electric-insulating Varnish	0.42	3.5	0.42	3.5
Etching Filler	0.42	3.5	0.42	3.5
Extreme High-gloss	0.42	3.5	0.36	3.0
Extreme Performance	0.42	3.5	0.36	3.0
Heat-resistant	0.42	3.5	0.36	3.0

**SECTION E. Source Group Restrictions.**

High-performance Architectural	0.74	6.2	0.74	6.2
High-temperature	0.42	3.5	0.42	3.5
Metallic	0.42	3.5	0.42	3.5
Military Specification	0.34	2.8	0.28	2.3
Mold-seal	0.42	3.5	0.42	3.5
Pan-backing	0.42	3.5	0.42	3.5
Prefabricated Architectural Multicomponent	0.42	3.5	0.28	2.3
Prefabricated Architectural One-component	0.42	3.5	0.28	2.3
Pretreatment	0.42	3.5	0.42	3.5
Touch-up and Repair	0.42	3.5	0.36	3.0
Silicone-release	0.42	3.5	0.42	3.5
Solar-absorbent	0.42	3.5	0.36	3.0
Vacuum-metalizing	0.42	3.5	0.42	3.5
Drum Coating, New, Exterior	0.34	2.8	0.34	2.8
Drum Coating, New, Interior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Exterior	0.42	3.5	0.42	3.5
Drum Coating, Reconditioned, Interior	0.50	4.2	0.50	4.2

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

Records maintained to demonstrate compliance with 25 Pa. Code §§ 129.52 and 129.52d shall be maintained for 5 years.

[Compliance with this operating permit condition assures compliance with 25 Pa. §§ Code 129.52(g) and 129.52d(f)(3).]

005 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of certification of the VOC content of each coating used. A certification will be required when there is a new supplier, a reformulation of an existing coating, or the addition of a new coating not previously certified. The certification must demonstrate that the VOC content was determined in accordance with 40 CFR 60 Appendix A-Reference Method 24.

[Authority for this operating permit condition, which is applicable to all paint booths, is also from plan approval 43-196A Section D Source 106 Condition # 004.]

006 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain a record of all preventative maintenance inspections of the control device. These records shall contain the dates of the inspections, any problems or defects, the actions taken to correct the problem or defects, any routine maintenance performed, and the pressure drop across the control device.

007 [25 Pa. Code §129.52d]**Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

[From § 129.52d(f). Refer to Emission Restrictions in this section of permit for remaining paragraphs of § 129.52d.]

**SECTION E. Source Group Restrictions.**

(f) Recordkeeping and reporting requirements.

(1) The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to subsection (a)(1) shall maintain monthly records sufficient to demonstrate compliance with this section. The records must include the following information:

(i) The following parameters for each coating, thinner, component and cleaning solvent as supplied:

- (A) Name and identification number of the coating, thinner, other component or cleaning solvent.
- (B) Volume used.
- (C) Mix ratio.
- (D) Density or specific gravity.
- (E) Weight percent of total volatiles, water, solids and exempt solvents.
- (F) Volume percent of total volatiles, water and exempt solvents for the applicable table of limits in Tables I—V.
- (G) [Paragraph (G) is not applicable to this facility because Tables VI - IX are not applicable to this facility.]

(ii) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.

(iii) The VOC content of each as applied coating or cleaning solvent.

(iv) The calculations performed for each applicable requirement under subsections (d) and (e).

(v) [Not applicable]

(2) An owner or operator subject to subsection (a)(2), or otherwise claiming an exemption or exception in this section, shall maintain records sufficient to verify the applicability of subsection (a)(2), the exemption or exception. Records maintained for compliance demonstrations may include purchase, use, production and other records.

(3) [This paragraph of the regulation is streamlined out of the operating permit in favor of the more restriction § 127.441 condition requiring that records be maintained for 5 years.]

(4) The records shall be submitted to the Department in an acceptable format upon receipt of a written request from the Department.

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

008 [25 Pa. Code §129.52d]**Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

[From § 129.52d(k). Refer to Emission Restrictions in this section of permit for remaining paragraphs of § 129.52d.]

(k) Measurements and calculations. To determine the properties of a coating or component used in a miscellaneous metal parts surface coating process or miscellaneous plastic parts surface coating process, measurements and calculations shall be performed according to one or more of the following:

(1) EPA Reference Method 24, Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings, found at 40 CFR Part 60, Subpart D, Appendix A, including updates and revisions.

(2) Manufacturer's formulation data.

(3) Sampling and testing done in accordance with the procedures and test methods specified in Chapter 139.

(4) Other test method demonstrated to provide results that are acceptable for purposes of determining compliance with this section if prior approval is obtained in writing from the Department.

(5) Add-on air pollution control devices shall be equipped with the applicable monitoring equipment according to manufacturers' specifications. The monitoring equipment shall be installed, calibrated, operated and maintained according to manufacturers' specifications at all times the add-on air pollution control device is in use.

**SECTION E. Source Group Restrictions.**

(6) EPA calculations information in the following:

(i) A Guideline for Surface Coating Calculations, EPA-340/1-86-016, including updates and revisions.

(ii) Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink, and Other Coatings, EPA-450/3-84-019, including updates and revisions.

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

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

(a) The permittee shall perform preventative maintenance inspection of the control device, during the weeks when the source has been operated, in accordance with the manufacturer's recommended schedule or good engineering practice.

(b) The permittee shall monitor the pressure differential across the control device.

(c) The permittee shall operate the control device at all time that this source is in operation.

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

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

011 [25 Pa. Code §129.52d]**Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

[From § 129.52d(i) & (j). Refer to Emission Restrictions in this section of permit for remaining paragraphs of § 129.52d.]

(i) Work practice requirements for coating-related activities. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit, or both, subject to subsection (a)(1) shall comply with the following work practices for coating-related activities:

(1) Store all VOC-containing coatings, thinners or coating-related waste materials in closed containers.

(2) Ensure that mixing and storage containers used for VOC-containing coatings, thinners or coating-related waste materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.

(3) Minimize spills of VOC-containing coatings, thinners or coating-related waste materials and clean up spills immediately.

(4) Convey VOC-containing coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.

(j) Work practice requirements for cleaning materials. The owner or operator of a miscellaneous metal part coating unit or miscellaneous plastic part coating unit subject to subsection (a)(1) shall comply with the following work practices for cleaning materials:

(1) Store all VOC-containing cleaning materials and used shop towels in closed containers.

(2) Ensure that mixing vessels and storage containers used for VOC-containing cleaning materials are kept closed at all times except when depositing or removing these materials.

**SECTION E. Source Group Restrictions.**

(3) Minimize spills of VOC-containing cleaning materials and clean up spills immediately.

(4) Convey VOC-containing cleaning materials from one location to another in closed containers or pipes.

(5) Minimize VOC emissions from cleaning of application, storage, mixing or conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

VII. ADDITIONAL REQUIREMENTS.**# 012 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

[Selected definitions from 25 Pa. Code § 129.52d(b) are printed below. Refer to regulation for remaining definitions.]

(b) Definitions. The following words and terms, when used in this section, have the following meanings unless the context clearly indicates otherwise:

Adhesion primer — A coating applied to a polyolefin part to promote the adhesion of a subsequent coating. This type of coating is clearly identified on its accompanying MSDS by this term or as an adhesion promoter.

Air-dried coating — A coating that is cured or dried at a temperature below 90°C (194°F).

Baked coating — A coating cured at a temperature at or above 90°C (194°F).

Cleaning material or cleaning solvent — A material used during cleaning activities or cleaning operations to remove residue or other unwanted materials from equipment.

Clear coating —

- (i) A colorless coating that contains binders, but no pigment, and is formulated to form a transparent film.
- (ii) The term includes a transparent coating that uses the undercoat as a reflectant base or undertone color.

Coating —

- (i) A material applied onto or into a substrate for protective, decorative or functional purposes.
- (ii) The term includes paints, sealants, caulks, primers, inks and maskants.
- (iii) The term does not include protective oils, acids or bases, or combinations of these materials.

Coating unit — A series of one or more coating applicators and associated drying area or oven or both wherein a coating is applied and dried or cured, or both. The unit ends at the point where the coating is dried or cured, or prior to subsequent application of a different coating.

Drum — A cylindrical metal shipping container larger than 12 gallons capacity but not larger than 110 gallons capacity.

EMI/RFI shielding coating — A coating used on electrical or electronic equipment to provide shielding against electromagnetic interference, radio frequency interference or static discharge.

Electric dissipating coating — A coating that rapidly dissipates a high voltage electric charge.

Electric-insulating varnish — A non-convertible-type coating applied to electric motors, components of electric motors or power transformers to provide electrical, mechanical or environmental protection or resistance

Extreme high-gloss coating — A coating that achieves the following:

**SECTION E. Source Group Restrictions.**

(i) For miscellaneous metal part surface coatings or miscellaneous plastic part surface coatings, other than pleasure craft surface coatings, a coating when tested by the American Society for Testing Material Test Method D-523-08 shows a reflectance of at least 75% on a 60° meter.

(ii) [Non-applicable; this facility does not apply coatings to pleasure crafts.]

Extreme-performance coating —

(i) A coating used on a metal or plastic surface where the coated surface is, in its intended use, subject to one or more of the following:

(A) Chronic exposure to corrosive, caustic or acidic agents, chemicals, chemical fumes, chemical mixtures or solutions.

(B) Repeated exposure to temperatures in excess of 250°F.

(C) Repeated heavy abrasion, including mechanical wear and repeated scrubbing with industrial grade solvents, cleansers or scouring agents.

(ii) The term includes coatings applied to locomotives, railroad cars, farm machinery and heavy duty trucks.

Finish primer/surfacer — A coating applied with a wet film thickness of less than 10 mils prior to the application of a topcoat for purposes of providing corrosion resistance, adhesion of subsequent coatings, a moisture barrier or promotion of a uniform surface necessary for filling in surface imperfections.

Heat-resistant coating — A coating that must withstand a temperature of at least 400°F during normal use.

Heavier vehicle — A self-propelled vehicle designed for transporting persons or property on a street or highway that has a gross vehicle weight rating over 8,500 pounds.

High bake coating — A coating designed to cure only at temperatures of more than 90°C (194°F).

High build primer/surfacer — A coating applied with a wet film thickness of 10 mils or more prior to the application of a topcoat for purposes of providing corrosion resistance, adhesion of subsequent coatings, a moisture barrier or promotion of a uniform surface necessary for filling in surface imperfections.

Mask coating — A thin film coating applied through a template to coat a small portion of a substrate.

Miscellaneous metal parts and miscellaneous plastic parts — Metal or plastic components of parts or products, as well as the parts or products themselves, constructed either entirely or partially from metal or plastic, or both, including the following:

- (i) Fabricated metal products.
- (ii) Molded plastic parts.
- (iii) Farm machinery.
- (iv) Commercial and industrial machinery and equipment.
- (v) Automotive or transportation equipment.
- (vi) Interior or exterior automotive parts.
- (vii) Construction equipment.
- (viii) Motor vehicle accessories.
- (ix) Bicycles and sporting goods.
- (x) Toys.
- (xi) Recreational vehicles.
- (xii) Watercraft.
- (xiii) Extruded aluminum structural components.
- (xiv) Railroad cars.
- (xv) Heavier vehicles.
- (xvi) Lawn and garden equipment.

**SECTION E. Source Group Restrictions.**

- (xvii) Business machines.
- (xviii) Laboratory and medical equipment.
- (xix) Electronic equipment.
- (xx) Steel drums.
- (xxi) Metal pipes.

Multicomponent coating — A coating requiring the addition of a separate reactive resin, commonly known as a catalyst or hardener, before application to the substrate to form an acceptable dry film.

One-component coating — A coating that is ready for application as it comes out of its container to form an acceptable dry film. A thinner may be added to reduce the viscosity, but is not considered a component.

Pretreatment coating — A coating that contains no more than 12% solids by weight and at least 0.5% acid by weight that is used to provide surface etching and that is applied directly to metal surfaces to provide corrosion resistance, adhesion and ease of stripping.

Pretreatment wash primer — A coating that contains no more than 12% solids by weight and at least 0.5% acid by weight that is used to provide surface etching and that is applied directly to fiberglass and metal surfaces to provide corrosion resistance and adhesion of subsequent coatings.

Repair coating — A coating used to recoat portions of a previously coated product that has sustained mechanical damage to the coating following normal coating operations.

Topcoat — A final coating applied in a surface coating process that applies two or more coatings.

[Source: The provisions of this § 129.52d adopted October 21, 2016, effective October 22, 2016, 46 Pa.B. 6758.]

013 [25 Pa. Code §129.96]**Applicability****ADDITIONAL RACT REQUIREMENTS FOR MAJOR SOURCES OF NO_x AND VOCs**

[Derived from § 129.96(a)]

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.

[The emission limits of § 129.52 do apply to this facility. However, this facility is also subject to requirements and emission limitation established in 129.52d. Since, as indicated in § 129.52d(a)(3), compliance with § 129.52d assures compliance with § 129.52, the sources of this source group are not subject to the provisions of RACT II as indicated in this condition.]

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

**SECTION E. Source Group Restrictions.**

Group Name: 03 - TEST CELLS 1 THROUGH 4

Group Description: RACT & Plan approval Restrictions & Requirements applicable to Test Cells 1, 2, 3, and 4

Sources included in this group

ID	Name
132A	DIESEL ENGINE TEST CELL 1
132B	DIESEL ENGINE TEST CELL 2
132C	DIESEL ENGINE TEST CELL 3
132D	DIESEL ENGINE TEST CELL 4

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The NO_x emissions shall be restricted to 450.25 tpy based on a 12 consecutive month rolling total for Diesel Engine Test Cells 1 - 4.

[From Condition # 001 of Plan approvals 43-196C and 43-196D, Section D, Sources 132A - 132D.]

[This condition also assures compliance with the following condition from RACT permit number 43-196, Condition 4 and Plan Approval 43-399-016, Condition 5: The NO_x emission shall be restricted to 492.2 tons/yr for the diesel engine test cells based on a 12-month rolling total. Compliance with this emission limitation will be determined by calculating emissions from engine testing using the reported emission factor.]

[This condition is also from and assures compliance with Condition # 8 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

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

(a) The NO_x emissions shall not exceed 422.15 lb/hr based on a 30-consecutive calendar day rolling average for Diesel Engine Test Cells 1 – 4 combined.

(b) The 30-day rolling average emission rate shall be expressed in pounds per hour and calculated in accordance with the following procedure:

(1) Sum the total pounds of pollutants emitted from test cells 1 – 4 for the current operating day and the previous 29 operating days.

(2) Sum the total hours of operation for test cells 1 – 4 for the current operating day and the previous 29 operating days.

(3) Divide the total number of pounds of pollutants emitted by test cells 1 – 4 for the 30 operating days by the total hours of operation of test cells 1 – 4 for the 30 operating days.

(c) A 30-day rolling average emission rate shall be calculated for each consecutive operating day.

(d) Each 30-day rolling average emission rate for an affected air contamination source must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns, and malfunctions.

[This condition is from Condition # 10 of the Department's June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

Throughput Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Fuel consumption shall not exceed 2,319,458 gal/yr based on a 12 consecutive month rolling total for Diesel Engine Test Cells 1 - 4.

**SECTION E. Source Group Restrictions.**

[From Condition # 002 of Plan approvals 43-196C and 43-196D, Section D, Sources 132A - 132D.]

[This condition is derived from and assures compliance with the following condition from RACT operating permit OP 43-196, condition 3, and Plan Approval 43-196A, Section D, Source 132, condition 005: "Fuel consumption for the diesel engine test cells shall not exceed 2,669,400 gal/yr based on 12-month rolling period." This condition replaced the previously permitted 2,224,500 gal/yr limit in RACT 43-196, Condition 3 & Plan Approval 43-399-016, Condition 5.]

[This condition is also derived from and assures compliance with Condition # 9 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall calculate the following information monthly:

- (a) [Reserved]
- (b) NO_x emissions (lb/hr) based on a rolling 30-day average;
- (c) [Reserved]

[From Condition 13(b) of the June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal for Test Cells 1 through 4.]

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: 04 - TEST CELLS 1 THROUGH 5

Group Description: RACT & Plan approval Requirements applicable to Test Cells 1, 2, 3, 4, and 5

Sources included in this group

ID	Name
132A	DIESEL ENGINE TEST CELL 1
132B	DIESEL ENGINE TEST CELL 2
132C	DIESEL ENGINE TEST CELL 3
132D	DIESEL ENGINE TEST CELL 4
132E	DIESEL ENGINE TEST CELL 5

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 §127.12b]****Plan approval terms and conditions.**

(a) The facility shall conduct a source test in accordance with 25 Pa. Code Chapter 139 (relating to sampling and testing methods and procedures) on:

- (1) Any new engine type within 90 days of the manufacturing and testing; and
- (2) A single engine that is not certified by U.S. EPA and/or subject to U.S. EPA emissions standards at least once per permit term.

(b) At least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department's Division of Source Testing and Monitoring and two copies to the appropriate Regional Office Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(c) Within 60 days of the approval of the test protocol, stack emission test will be conducted in accordance with the preapproved test protocol to determine compliance with the NOx emission limit.

(d) The permittee shall notify the Department at least 2 weeks prior to the test.

[This condition is derived from and assures compliance with the following:

- Condition # 11 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal;
- The August 21, 1996, Plan Approval 43-339-016 Conditions 7, 8, & 9; and
- RACT OP-43-196 Conditions 13, 14, & 15.]

III. MONITORING REQUIREMENTS.

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

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

The permittee shall record the following and make available to Department personnel upon request:

- (1) Engine production volume each month;
- (2) Type and horsepower rating of engines tested each month;
- (3) Fuel consumption of engines tested each month; and
- (4) NOx emission factors derived from testing done in compliance with the Testing Requirement in this section of the permit.

[This condition is derived from and assures compliance with the following:

- Plan Approval 43-399-016, Condition 6;
- RACT OP-43-196, Condition 17; and

**SECTION E. Source Group Restrictions.**

- Condition # 12 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal.]

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

The permittee shall calculate the following information monthly:

- (a) NO_x and VOC emissions (tpy) based on a 12-consecutive month rolling period;
- (b) [Reserved]
- (c) Fuel consumption based on a 12-consecutive month rolling period.

[From Conditions 13(a) and 13(c) of June 21, 2018, approval of 25 Pa. Code § 129.99 alternative case-by-case RACT II proposal for Test Cells 1 through 5.]

V. REPORTING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Within 60 days after completion of emissions testing conducted to demonstrate compliance with this permit, 3 copies of the complete test report including all operating conditions shall be submitted to the Department for approval.

[From Plan Approval 43-399-016, Condition 10. This condition is also derived from and assures compliance with RACT operating permit OP-43-196, Condition 16]

005 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

- (a) The permittee shall calculate the following information monthly and submit to the Department on a quarterly basis:
 - (1) NO_x and VOC emissions based on a 12 consecutive month rolling period;
 - (2) Fuel consumption based on a 12 consecutive month rolling period.
- (b) The quarterly reports shall be submitted to the Department within 30 days of the end of each calendar quarter.

[Derived from Plan Approval 43-399-016, Condition 6. Also from RACT operating permit OP-43-196, Condition 17.]

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

The permittee is permitted to test new and rebuilt engines and turbochargers of various designs and horsepower ratings provided that the actual emissions and fuel consumption remain below the limits established in this permit. The testing activities allowed include the equipment changes necessary for the engines and turbochargers during testing and the use of ancillary equipment in the test cells.

[From the August 21, 1996, issuance of Plan Approval 43-399-016, Condition 11. Also from Plan Approval 43-196A Section D Source 132 Condition #009.]

007 [25 Pa. Code §129.99]**Alternative RACT proposal and petition for alternative compliance schedule.**

[From 25 Pa. Code § 129.99(g)]

**SECTION E. Source Group Restrictions.**

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.

[Also from Condition # 14 of June 21, 2018, approval of 25 Pa. Code § 129.99 alternate case-by-case RACT II proposal.]

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

**SECTION E. Source Group Restrictions.**

Group Name: 05 - ALL TEST CELLS

Group Description: General Conditions applicable to Test Cells 1, 2, 3, 4, 5, and 6

Sources included in this group

ID	Name
132A	DIESEL ENGINE TEST CELL 1
132B	DIESEL ENGINE TEST CELL 2
132C	DIESEL ENGINE TEST CELL 3
132D	DIESEL ENGINE TEST CELL 4
132E	DIESEL ENGINE TEST CELL 5
132F	DIESEL ENGINE TEST CELL 6

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 §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.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All records to demonstrate compliance with the conditions of this permit shall be maintained for a minimum of 5 years and shall be made available to the Department upon request.

[Compliance with this operating permit condition for all test cells assures compliance with the following regulations and plan approval conditions:

- RACT operating permit 43-196 issued July 27, 1995, as revised December 11, 1998, May 16, 2001; and January 26, 2006, Conditions 17 and 18 for Test Cells 1 through 5;
- Plan Approval 43-399-016, Condition 6;
- Plan Approvals 43-196C and 43-196D, Section D, Source 132E, condition 006(a) for Test Cell 5;
- Plan Approvals 43-196C and 43-196D, Section D, Source 132F, condition 006(a) for Test Cells 6 and control devices; and
- 25 Pa. Code § 129.100(i) for Test Cells 1 through 5.]

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall install, maintain, and operate the Test Cells 1 through 5 in accordance with manufacturer's specifications and good operating practices.
- (b) The permittee shall install, maintain, and operate the Test Cell 6 and the control device (consisting of the DPF, the DOC, and the SCR for Test Cell # 6) in accordance with manufacturer's specifications and good operating practices.

[Compliance with this operating permit condition assures compliance with the following regulations and plan approval conditions:

- RACT operating permit 43-196 issued July 27, 1995, as revised December 11, 1998, May 16, 2001; and January 26, 2006 for Test Cells 1 through 5; and
- Plan Approvals 43-196C and 43-196D, Section D, Source 132E, condition 007(d) for Test Cell 5;
- Plan Approvals 43-196C and 43-196D, Section D, Source 132F, condition 007(d) for Test Cells 6 and control devices.]

[Authority for this condition is also derived from 25 Pa. Code §§ 129.91, 129.93, 129.96, and 129.97.]

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: 06 - FIVE YEAR TEST

Group Description: Plan approval requirements for emission testing to be done every 5 years

Sources included in this group

ID	Name
132E	DIESEL ENGINE TEST CELL 5
132F	DIESEL ENGINE TEST CELL 6

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 §127.12b]****Plan approval terms and conditions.**

In addition to the initial stack testing required by plan approvals 43-196C and 43-196D, as printed in this section of permit for Sources 132E and 132F, the facility shall conduct subsequent performance testing within 6 to 12 months prior to the expiration date of the operating permit, for the following pollutants using the methods specified in Section D of this permit for Sources 132E and 132 F and in accordance with the provisions of Chapter 139 (relating to sampling and testing).

- PM10 (both filterable & condensable),
- NO_x,
- VOC, and
- CO.

[From Plan approvals 43-196C and 43-196D, Section D, Sources 132E & 132F, Conditions #004(b). The requirement to test for SO_x is removed from the operating permit at the 2022 TV renewal as requested by PA DEP Division of Source Testing and the permittee in April 2021 and approval by the NWRO Air Quality Program Manager in May 2021.]

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

[The requirement for the initial stack test has been completed for Source 032E & 032F (Test cells # 5 & 6). The initial testing was conducted July 10, 11, & 13, 2015, on Test cell # 5 and the Department approved the results on May 23, 2016. The initial testing was conducted on April 7 & 8, 2015, on Test cell # 6 and the Department approved the results on April 6, 2016.]

[This condition remains in the Title V permit because it applies to subsequent 5-year testing.]

The company shall perform an initial stack test within 180 days of the start-up of the test cell to determine the emissions of PM10, nitrogen oxides, sulfur dioxide, volatile organic compounds, and carbon monoxide. The company may apply to the Department for extension of the time to conduct the initial stack test if there is cause. The company shall, in writing, notify the Department at least 30 days prior to the 180 days after start-up. The stack test shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. The stack test shall be performed while the aforementioned source is operating at the maximum or normal rated capacity as stated in the application. For testing purposes, the engine in the test cell is operating at 90%, or greater, of the rated capacity of the engine and the largest capacity engine that is available at the time of the test shall be tested. The stack test methods shall be as follows:

- PM10 (both filterable & condensable) using EPA Methods 5 or 201 and 202 or other methods approved by the Department;
 - NO_x using EPA Method 7 or other methods approved by the Department;
 - VOC using EPA Method 25 or other methods approved by the Department; and
 - CO using EPA Method 10 or other methods approved by the Department.
- [The requirement to test for SO_x using EPA Method 6 or other methods approved by the Department is removed from the TV permit at the 2022 renewal in favor of using mass balance and the use of ultra low sulfur content fuel to show compliance with the SO_x emission limits];

[From Plan Approvals 43-196C and 43-196D, Section D, Sources 132E & 132F, Condition #004. The requirement to test for SO_x using EPA Method 6 is removed from the permit as requested by the PA DEP Division of Source Testing and the

**SECTION E. Source Group Restrictions.**

permittee in April 2021 and approved by the NWRO Air Quality Program Manager in May 2021.]

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

[The Department Source Testing Manual is available at this web address:
<http://www.dep.greenport.state.pa.us/elibrary/GetFolder?FolderID=4563>]

- (a) 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 (h) of this condition. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter, submitted at least 90 calendar days prior to commencing an emissions testing program, referencing the previously approved procedural protocol is sufficient if the letter is approved by the Department. The letter shall be submitted as required in paragraph (a). If modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack test manual has been revised since the approval, a new protocol shall be submitted for approval.
- (c) 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. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department. The 15-day advance notifications of emissions testing dates shall be submitted directly to both:
- (1) the Protocol Reviewer at Central Office Division of Source Testing at the email address provided by the protocol reviewer; and
 - (2) to the Northwest Regional Office Air Quality Inspector. Telephone the Northwest Regional Office at 814-332-6940 to obtain the email address of the Air Quality Inspector.
- (d) If the proposed testing did not occur per the required notification in paragraph (b) above, an electronic mail notification shall be sent within 15 calendar days after the expected completion date of the onsite testing to the Department, in accordance with paragraph (h) of this condition, indicating why the proposed completion date of the on-site testing was not adhered to.
- (e) 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.
- (1) The 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 non-compliance with all applicable permit conditions.
 - (2) 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.
- (f) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
- (h) Pursuant to 25 Pa. Code §§ 139.53(a)(1) and 139.53(a)(3), all submittals, besides notifications, pertaining to emissions testing (protocols, test reports, supplemental information, etc.) shall be made by emailing electronic copies

**SECTION E. Source Group Restrictions.**

submissions to both PSIMS Administration in Central Office and to Regional Office AQ Program at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

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

(j) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) If the results of the required stack test exceed any limit defined in this permit, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the permit, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the permit, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the permit may be grounds for immediate revocation of the permit to operate the affected source.

[This condition is derived from and assures compliance with Plan Approvals 43-196C and 43-196D, Section D, Sources 132E & 132F, Condition #004.]

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 07 - PA CODE FOR ENGINES

Group Description: Requirements from RACT OP 43-196 and presumptive RACT II and general Pa. Code condition:

Sources included in this group

ID	Name
137	EMERGENCY GENERATORS (2) NATL GAS, 125 HP & 250 HP
138	EMERGENCY DIESEL FIRE PUMP 185 HP
143	ADDITIVE LAB EMERGENCY GENERATOR, NATL GAS, 259 HP

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 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.

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

The 125 hp and 250 hp emergency generators and the diesel fire pump shall operate less than 500 hours, each, in any 12 consecutive month period.

[Compliance with this operating permit condition assures compliance with the following:

- RACT operating permit 43-196, condition 10; and
- the presumptive RACT requirements of 25 Pa. Code §§ 129.91, 129.93, 129.96, and 129.97.]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

Records of the hours of operation of the emergency generators and the fire pump engine shall be retained on-site for a minimum of 5 years and shall be made available to the Department upon request.

[Compliance with this operating permit condition assures compliance with the following:

- RACT operating permit 43-196, condition 10; and
- the RACT recordkeeping requirements of 25 Pa. Code §§ 129.95 and 129.100.]

V. REPORTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

[This operating permit condition is derived from and assures compliance with:

- RACT operating permit 43-196, condition 10; and
- the presumptive RACT requirements of 25 Pa. Code §§ 129.93(c)(3) and 129.97(c)(8).]

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: 08 - NSPS FOR EMERGENCY SI RICE

Group Description: Requirements from 40 CFR Part 60 Subpart JJJJ applicable to Emergency Stationary RICE

Sources included in this group

ID	Name
143	ADDITIVE LAB EMERGENCY GENERATOR, NATL GAS, 259 HP

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60 Subpart JJJJ Table 1]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines Table 1 to Subpart JJJJ of Part 60.--**

[Non-applicable text and non-applicable categories from Table 1 of the regulation are omitted from this condition.]

For Emergency engine with Maximum engine horsepower \geq 130, the Emission Standards are:

NO_x: 2.0 g/hp-hr (160 ppmvd at 15% O₂) (See note a.)
 CO: 4.0 g/hp-hr (540 ppmvd at 15% O₂) (See note a.)
 VOC: 1.0 g/hp-hr (86 ppmvd at 15% O₂) (See notes a & d.)

Note a: Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O₂.

Note d: For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

[76 FR 37975, June 28, 2011]

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

(a) - (d) [Paragraphs 60.4233(a) through (d) are not applicable to this source.]

(e) Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.

[Table 1 emission standards are printed in a separate condition in this section of permit.]

(f) - (h) Paragraphs 60.4233(f) through (h) are not applicable to this source.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.

[Source: 73 FR 3591, Jan. 18, 2008]

**SECTION E. Source Group Restrictions.****Operation Hours Restriction(s).****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(i) [Paragraph 60.4243(a)(2)(i) is not applicable to this source.]

(ii) If you are an owner or operator of a stationary SI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test within 1 year of engine startup to demonstrate compliance.

(iii) [Paragraph 60.4243(a)(2)(iii) is not applicable to this source.]

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) [Paragraph 60.4243(b)(2) is not applicable to this source.]

(c) [Paragraph 60.4243(c) is not applicable to this source.]

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE 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 (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) 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 ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(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 paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests

**SECTION E. Source Group Restrictions.**

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 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 ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(ii) - (iii) [Paragraphs (d)(2)(ii)-(iii) were vacated by the U.S. Court of Appeals. Reference EPA's April 15, 2016, Guidance document.]

(3) Emergency stationary ICE 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 (d)(2) of this section. Except as provided in paragraph (d)(3)(i) 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 an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) [This paragraph of the regulation is not applicable to this source.]

(ii) [Reserved]

(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.

(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine undergoes rebuild, major repair or maintenance. Engine rebuilding means to overhaul an engine or to otherwise perform extensive service on the engine (or on a portion of the engine or engine system). For the purpose of this paragraph (f), perform extensive service means to disassemble the engine (or portion of the engine or engine system), inspect and/or replace many of the parts, and reassemble the engine (or portion of the engine or engine system) in such a manner that significantly increases the service life of the resultant engine.

(g) - (i) [Paragraphs 60.4243(g) through (i) are not applicable to this source.]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of 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.

(c) - (e) [Paragraphs 60.4245(c) through (e) are not applicable to this source.]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021]

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.**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What parts of the General Provisions apply to me?**

Table 3 to this subpart shows which parts of the General Provisions in §§60.1 through 60.19 apply to you.

[Source: 73 FR 3591, Jan. 18, 2008]

[Refer to regulation 40 CFR Part 60 Subpart JJJJ Table 3 for the General Part 60 Subpart A Provisions applicable to Subpart JJJJ.]



SECTION E. Source Group Restrictions.

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

**SECTION E. Source Group Restrictions.**

Group Name: 09 - NESHAP FOR EMERGENCY RICE

Group Description: Requirements from 40 CFR Part 63 Subpart ZZZZ applicable to Emergency Stationary RICE

Sources included in this group

ID	Name
137	EMERGENCY GENERATORS (2) NATL GAS, 125 HP & 250 HP
138	EMERGENCY DIESEL FIRE PUMP 185 HP

I. RESTRICTIONS.**Operation Hours Restriction(s).****# 001 [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) [Paragraph 63.6640(a) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(b) - (d) [Paragraphs 63.6640(b) through (d) are not applicable to this source.]

(e) [Paragraph 63.6640(e) is printed under REPORTING REQUIREMENTS in this section of permit.]

(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 nonemergency 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 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) [Paragraphs 63.6640(f)(2)(ii)-(iii) were vacated on May 11, 2015.]

(3) [Paragraph 63.6640(f)(3) is not applicable to this source.]

(4) Emergency stationary RICE located at area 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. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for nonemergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) - (ii) [Paragraphs 63.6640(f)(4)(i)-(ii) are not applicable to this source.]

[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 6700, Jan. 30, 2013]

**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).

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 [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) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

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

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

(3) [Not applicable.]

(4) [Not applicable.]

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

(b) - (c) [Paragraphs 63.6655(b) and (c) are not applicable to this source.]

(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.

[Table 6 is printed in a separate condition under the WORK PRACTICE REQUIREMENTS in this section of the permit.]

(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) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

(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.

**SECTION E. Source Group Restrictions.**

(1) [Paragraph 63.6655(f)(1) is not applicable to this source.]

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

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

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

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

(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. [63.10(b)(1) is printed below.]

(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]

From 63.10(b)(1):

(b) General recordkeeping requirements. (1) The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

[59 FR 12430, Mar. 16, 1994, as amended at 64 FR 7468, Feb. 12, 1999; 67 FR 16604, Apr. 5, 2002; 68 FR 32601, May 30, 2003; 69 FR 21752, Apr. 22, 2004; 71 FR 20455, Apr. 20, 2006]

V. REPORTING REQUIREMENTS.

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) [Paragraph 63.6640(a) is printed under WORK PRACTICE REQUIREMENTS in this section of permit.]

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. [Reference to Tables 1a and 1b, Tables 2a and 2b, Table 2c and references to performance testing in the regulation, which are not applicable to this source, are omitted from this paragraph.]

(c) – (d) [Paragraphs 63.6640(c) and (d) are not applicable to this source.]

(e) You must report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. [Non-applicable text in paragraph 63.6640(e) of the regulation is omitted from this paragraph.]

[Refer to regulation for Table 8 to 40 CFR Part 63 Subpart ZZZZ for General Subpart A Provisions applicable to subpart ZZZZ. Ongoing required Subpart A provisions for this source include:

**SECTION E. Source Group Restrictions.**

- 63.6(e)(1)(i), the duty to minimize emissions as referenced in 63.6675 under the definition of 'Deviation' printed in the condition for 63.6675 under ADDITIONAL REQUIREMENTS in this source group; and
- 63.10(b)(1), the recordkeeping as referenced in 63.6660(b) printed in the condition for 63.6660 under RECORDKEEPING REQUIREMENTS in this source group.]

(f) [Paragraph 63.6640(f) is printed under RESTRICTIONS in this section of permit.]

[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 6700, Jan. 30, 2013]

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

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

What reports must I submit and when?

(a) - (e) [Paragraphs (a) through (e) of 40 CFR §63.6650 are not applicable to this source.]

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

(g) - (h) [Paragraphs (g) & (h) of 40 CFR §63.6650 are not applicable to this source.]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6700, Jan. 30, 2013]

VI. WORK PRACTICE REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart ZZZZ Table 2d]

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

Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

[Categories 4 & 5 apply. Non-applicable items are omitted.]

4. For each Emergency stationary CI [Compression Ignition engine] RICE (See note 2.),

you must meet the following requirement, except during periods of startup . . .

- Change oil and filter every 500 hours of operation or annually, whichever comes first; (see note 1)
- Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

and

- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

5. For each Emergency stationary SI [Spark Ignition engine] RICE; (see note 2)

You must meet the following requirement, except during periods of startup . . .

- Change oil and filter every 500 hours of operation or annually, whichever comes first; (See note 1.)

**SECTION E. Source Group Restrictions.**

- b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary, and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
-

Notes:

1 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 2d of this subpart.

2 If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management 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 management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

[75 FR page 9688, Mar. 3, 2010; 75 FR page 51595, Aug. 20, 2010; 78 FR 6700, Jan. 30, 2013]

007 [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 and work or management practices as required by the following:

[Category 9 of Table 6 to Part 63 Subpart ZZZZ applies. Applicable requirements from Table 6 are included here. Non-applicable text from Table 6 is omitted.]

For each existing emergency stationary RICE located at an area source of HAP, complying with the Work or Management practices requirement, 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.

[76 FR 12870, Mar. 9, 2011; 78 FR 6700, Jan. 30, 2013]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

[References in regulation to §63.6620 and Table 4 in introductory text of §63.6603 is not applicable to this source and is omitted from this paragraph.]

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart that apply to you. [The reference in regulation to Table 2b in 63.6603(a) which is not applicable to this source is omitted from this paragraph.]

[Applicable requirements from Table 2d are printed in a separate condition in this section of the permit.]

(b) - (f) [Paragraphs 63.6603 (b) through (f) are not applicable to this source.]

**SECTION E. Source Group Restrictions.**

[75 FR 9675, Mar. 3, 2010, as amended at 75 FR 51589, Aug. 20, 2010; 76 FR 12866, Mar. 9, 2011; 78 FR 6701, Jan. 30, 2013]

009 [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]

010 [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) - (2) Not applicable;

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

(4) - (10) Not applicable.

(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 or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) Not applicable.

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. [Tables 1a, 2a, 2c do not apply to the emergency engines of this source; Categories 4 and 5 of Table 2d apply.]

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in item 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base 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

**SECTION E. Source Group Restrictions.**

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. [Non-applicable text is omitted from this paragraph.]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in item 5 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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. [Non-applicable text is omitted from this paragraph.]

[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 6700, Jan. 30, 2013]

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

(a) You must demonstrate continuous compliance with each requirement in Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart. [Text in the regulation 63.6640(a) which is not applicable to this source is omitted from this paragraph.] [Table 6 is printed in a separate condition in this section of permit.]

(b) - (d) [Paragraphs 63.6640(b) through (d) are not applicable to this source.]

(e) [Paragraph 63.6640(e) is printed under REPORTING REQUIREMENTS in this section of permit.]

(f) [Paragraph 63.6640(f) is printed under RESTRICTIONS in this section of permit.]

[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 6700, Jan. 30, 2013]

VII. ADDITIONAL REQUIREMENTS.**# 012 [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. [Non-applicable text omitted from this paragraph.]

[Refer to regulation for Table 8 to 40 CFR Part 63 Subpart ZZZZ.]

[75 FR 9678, Mar. 3, 2010]

013 [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**

**SECTION E. Source Group Restrictions.****What definitions apply to this subpart?**

[Selected definitions from §63.6675 are printed below. Refer to regulation for remaining definitions applicable to 40 CFR Part 63 Subpart ZZZZ.]

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:

Area source means any stationary source of HAP that is not a major source as defined in part 63.

CAA means the Clean Air Act (42 U.S.C. 7401 et seq., as amended by Public Law 101-549, 104 Stat. 2399).

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

- (1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or operating limitation;
- (2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or
- (3) Fails to meet any emission limitation or operating limitation in this subpart during malfunction, regardless or whether or not such failure is permitted by this subpart.
- (4) Fails to satisfy the general duty to minimize emissions established by §63.6(e)(1)(i).

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.

Malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Subpart means 40 CFR part 63, subpart ZZZZ.

[Source: 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 6700, Jan. 30, 2013]

*** Permit Shield in Effect. ***

**SECTION E. Source Group Restrictions.**

Group Name: 10 - RACT RECORDKEEPING

Group Description: Recordkeeping requirements from 25 Pa. Code § 129.100

Sources included in this group

ID	Name
132A	DIESEL ENGINE TEST CELL 1
132B	DIESEL ENGINE TEST CELL 2
132C	DIESEL ENGINE TEST CELL 3
132D	DIESEL ENGINE TEST CELL 4
132E	DIESEL ENGINE TEST CELL 5
140	CLEANING OPERATIONS

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

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 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.

[From § 129.100(d)]

002 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

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.

[From § 129.100(i)]

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

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

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
031	BOILER - 400 HP - 13.4 MILLION BTU/HR NAT. GAS		
Emission Limit			
5.660	Tons/Yr	RACT OP 43-196	NOX
4.000	Lbs/MMBTU	over any 1-hour period [25 Pa Code 123.22]	SOX
0.400	Lbs/MMBTU	25 Pa Code 123.11	TSP
0.240	Tons/Yr	RACT OP 43-196	VOC
037	BOILER - 800 HP - 26.8 MILLION BTU/HR NAT. GAS		
Emission Limit			
4.000	Lbs/MMBTU	over any 1-hour period [25 Pa Code 123.22]	SOX
0.400	Lbs/MMBTU	25 Pa Code 123.11	TSP
039	MISC NATURAL GAS FIRED SOURCES		
Emission Limit			
0.400	Lbs/MMBTU	25 Pa Code 123.11	PM10
4.000	Lbs/MMBTU	Over any 1-hour period [25 Pa Code 123.22]	SOX
106	ENGINE PAINT BOOTH		
Emission Limit			
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
24.200	Tons/Yr	Plan approval 43-196A	VOC
106B	ENGINE CLEANING STATION		
Emission Limit			
1.000	Tons/Yr	RACT OP 43-196	VOC
114	COMPONENT PAINT BOOTH		
Emission Limit			
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
132A	DIESEL ENGINE TEST CELL 1		
Emission Limit			
413.000	Tons/Yr	From Source 132A [RACT II]	NOX
450.250	Tons/Yr	For Test Cells 1 through 4 combined [Plan approvals 43-196C & 43-196D] [Also RACT II]	NOX
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
132B	DIESEL ENGINE TEST CELL 2		
Emission Limit			
413.000	Tons/Yr	From Source 132B [RACT II]	NOX
450.250	Tons/Yr	For Test Cells 1 through 4 combined [Plan approvals 43-196C & 43-196D] [Also RACT II]	NOX
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
132C	DIESEL ENGINE TEST CELL 3		
Emission Limit		Pollutant	
435.000	Tons/Yr	From Source 132C [RACT II]	NOX
450.250	Tons/Yr	For Test Cells 1 through 4 combined [Plan approvals 43-196C & 43-196D] [Also RACT II]	NOX
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
132D	DIESEL ENGINE TEST CELL 4		
Emission Limit		Pollutant	
450.250	Tons/Yr	For Test Cells 1 through 4 combined [Plan approvals 43-196C & 43-196D] [Also RACT II]	NOX
450.250	Tons/Yr	from Source 132D, test cell 4 [RACT II]	NOX
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
132E	DIESEL ENGINE TEST CELL 5		
Emission Limit		Pollutant	
0.045	Lbs/Gal	[Plan approvals 43-196C & D]	CO
3.010	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & D]	CO
0.389	Lbs/Gal	[Plan approvals 43-196C & D]	NOX
36.880	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & D] [Also RACT II]	NOX
0.017	Lbs/Gal	[Plan approvals 43-196C & D]	PM10
0.770	Tons/Yr	based on a 12-month rolling total; [Plan approvals 43-196C & D & 2/4/2021 de minimis approval for JP5]	PM10
0.000	Lbs/Gal	0.00021 lbs/gal for ULSD [Plan approvals 43-196C & D]	SO2
0.004	Lbs/Gal	0.0043 lbs/gal for Certification fuel [Plan approvals 43-196C & D]	SO2
0.028	Lbs/Gal	0.028 for JP5; [2/4/2021 de minimis approval for JP5]	SO2
1.440	Tons/Yr	based on a 12-month rolling total; [Plan approvals 43-196C & D & 2/4/2021 de minimis approval for JP5]	SO2
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
0.025	Lbs/Gal	[Plan approvals 43-196C & D]	VOC
1.240	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & D] [Also RACT II]	VOC
132F	DIESEL ENGINE TEST CELL 6		
Emission Limit		Pollutant	
10.000	PPMV	[Plan approvals 43-196C & 43-196D]	Ammonia (Anhydrous)
0.045	Lbs/Gal	[Plan approvals 43-196C & 43-196D]	CO
0.230	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & 43-196D]	CO
0.389	Lbs/Gal	[Plan approvals 43-196C & 43-196D]	NOX

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
9.030	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & 43-196D]	NOX
0.017	Lbs/Gal	[Plan approvals 43-196C & 43-196D]	PM10
0.170	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & 43-196D]	PM10
0.000	Lbs/Gal	0.00021lbs/gal for ULSD [Plan approvals 43-196C & 43-196D]	SO2
0.001	Lbs/Gal	0.00021lbs/gal for ULSD & 0.0043 lbs/gal for Cert fuel [Plan approvals 43-196C & 43-196D]	SO2
0.004	Lbs/Gal	0.0043 lbs/gal for Cert fuel [Plan approvals 43-196C & 43-196D]	SO2
1.100	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & 43-196D as modified 5/23/2022 with RFD #9711 approval]	SO2
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
0.025	Lbs/Gal	[Plan approvals 43-196C & 43-196D]	VOC
0.170	Tons/Yr	based on a 12-month rolling total [Plan approvals 43-196C & 43-196D]	VOC
137	EMERGENCY GENERATORS (2) NATL GAS, 125 HP & 250 HP		
Emission Limit		Pollutant	
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
138	EMERGENCY DIESEL FIRE PUMP 185 HP		
Emission Limit		Pollutant	
1.400	Tons/Yr	RACT OP 43-196	NOX
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
140	CLEANING OPERATIONS		
Emission Limit		Pollutant	
16.000	Tons/Yr	Based on a 12-month rolling basis. [RACT II]	VOC
143	ADDITIVE LAB EMERGENCY GENERATOR, NATL GAS, 259 HP		
Emission Limit		Pollutant	
4.000	GRAMS/HP-Hr	[From Table 1 to 40 CFR 60-JJJJ]	CO
2.000	GRAMS/HP-Hr	[From Table 1 to 40 CFR 60-JJJJ]	NOX
500.000	PPMV	dry basis [25 Pa Code 123.21]	SOX
0.040	gr/DRY FT3	25 Pa Code 123.13	TSP
1.000	GRAMS/HP-Hr	[From Table 1 to 40 CFR 60-JJJJ]	VOC



SECTION G. Emission Restriction Summary.

Site Emission Restriction Summary

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

(a) This facility is located at 1503 West Main Street Extension, Grove City, PA 16127.

This facility is a Major Source with respect to Potential Emissions of regulated air pollutants.

The following eFACTS ID's are assigned to this facility for this permit issuance:

Permit number: 43-00196

Records Management System (RMS) Facility Name: GE Transp Sys Grove City

RMS ID: 53976

APS ID: 1031141

Master Auth ID: 353810

Client ID: 347856

Site ID: 2282

Primary Facility (PF) ID: 3015

(b) 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. The actual enforceable emission and operating limits for each source, with the correct number of significant digits, are listed in Sections C, D, and E of this permit. The Emission Restriction Summary in Section G of this permit is for information purposes only and is not to be used to establish enforceable limits.

(c) Abbreviations used in this permit:

Schematics:

FML: Fuel material location

CU: Combustion Unit

PROC: Process

CNTL: Control device

STAC: Stack. The stack can represent either the emission point or fugitive emissions in a permit map.

Pollutants:

CO: Carbon Monoxide

NOx: Nitrogen Oxides

SOx: Sulfur Oxides

TSP: Total Suspended Particulate (includes both filterable and condensable)

PM10: Particulate Matter less than 10 microns

PM2.5: Particulate Matter less than 2.5 microns

VOC: Volatile Organic Compounds

HAP: Hazardous Air Pollutant

Source ID: Department assigned ID number for the source

Source Name: Department assigned name for the source

Capacity/Throughput: The maximum rated capacity or throughput for the source. The maximum rated capacity or throughput is not considered an enforceable limit. Enforceable limits are contained within the conditions of the permit.

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

AIMS: Air Information Management System -- the DEP electronic database for permitting and emission reports

CAM: Compliance Assurance Monitoring (40 CFR Part 64)

CFR: Code of Federal Regulations

CI: Combustion Ignition

CMS: Continuous Monitoring System

Department: Pennsylvania Department of Environmental Protection (the DEP)

eFacts: Environmental Facility Application Compliance Tracking System -- the DEP electronic database for inspection reports

ICE: Internal Combustion Engine

ICI: Industrial, Commercial, and Institutional

NESHAP: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63)

NSPS: New Source Performance Standards (40 CFR Part 60)

NWRO: Northwest Regional Office of PA DEP

RACT I: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.93 through 129.95 promulgated on January 14, 1994, for control of NOx and VOC.

RACT II: The Reasonably Available Control Technology requirements of 25 Pa. Code §§ 129.96 through 129.100 promulgated

**SECTION H. Miscellaneous.**

on April 23, 2016 for control of NOx and VOC.

RFD: Request for Determination of Changes of Minor Significance & Exemption from plan approval.

RICE: Reciprocating Internal Combustion Engine

SCC: Source Classification Code as defined by EPA

SI: Spark Ignition

Source: An air contamination source (25 Pa. Code § 121.1).

(d) All reports, submittals, and other communications required by this permit shall be submitted electronically to the PA DEP Northwest Regional office located at the following address. Web addresses for electronic submittals to this office are below.

Bureau of Air Quality
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335
814-332-6940 (phone)
814-332-6121 (fax)
Office Hours 8 a.m. - 4 p.m.
800-541-2050 (after hours)

(i) Spills and other emergencies should be reported immediately to DEP by telephone at 800-541-2050.

(ii) Submittals of Asbestos Abatements and Demolition/Renovation Notification Forms should be made via the Online Asbestos Notification System. Information and links are located at this web address:

<https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/Pages/Asbestos.aspx>

(iii) Submittals of Annual emissions inventory, if required, must be made via the DEP's AES*Online secure website. Information and links are located at this web address:

<https://www.dep.pa.gov/Business/Air/BAQ/BusinessTopics/Emission/Pages/default.aspx>

(iv) Submittals pertaining to emissions testing (protocols, test reports, supplemental information, etc.) shall be made by emailing electronic copies submissions to both PSIMS Administration in Central Office and to Regional Office AQ Program at the following e-mail addresses:

CENTRAL OFFICE:
RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:
RA-EPNWstacktesting@pa.gov

(v) The 15-day advance notifications of emissions testing dates shall be submitted directly to both:

(1) the Protocol Reviewer at Central Office Division of Source Testing at the email address provided by the protocol reviewer; and

(2) to the Northwest Regional Office Air Quality Inspector. Telephone the Northwest Regional Office at 814-332-6940 to obtain the email address of the Air Quality Inspector.

(vi) Submittals of RFD's shall be made via the DEP's Greenport website at <https://greenport.pa.gov>

(vii) All other submittals to this office should be made via the DEP's OnBase electronic upload website at this web address:

<https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

(e) Submittals to the EPA are made to the EPA Region III office.

(1) The regional EPA address is:

Section Chief
U.S. Environmental Protection Agency Region III
Enforcement and Compliance Assurance Division
Air Section (3ED21)

**SECTION H. Miscellaneous.**

1650 Arch Street
Philadelphia, PA 19103-2029

(2) Electronic compliance certifications should be sent to the email at the following email address. Include the following in the email subject line: name of facility, state, and Title V operating permit number.

R3_APD_Permits@epa.gov

(f) Source 039 (Miscellaneous Natural Gas Fired Sources) consists of the following:

- Furnaces (< 10 mmbtu/hr natural gas)
- Thermal Parts cleaners
- Gas fired pressure washers (< 10 mmbtu/hr natural gas)
- Hot water heaters (< 0.5 mmbtu/hr natural gas)
- Space Heaters

(g) Source 106 (Paint Booth) consists of the the Locomotive engine paint booth and Source 106B consists of the Engine Cleaning booth. The engine cleaning booth was described in the original Title V permit issuance as part of Source 106. At the 2016 Title V renewal issuance the Engine Cleaning Booth was assigned a separate Source ID in the permit since the 2 sources have different VOC emission restrictions.

(h) Source FM001 (Diesel Tanks - 3) consists of the following:

- Certified Fuel Tank or JP1 (T1) - 15,000 gallons (used in some marine engines);
- ULSD Tank (T2) - 25,000 gallons; and
- ULSD Tank (T3) - 25,000 gallons.

FML005 (JP-5 Fuel) uses the same 15,000 gallon Certified Fuel Tank listed above for FM001 that is used for diesel. This tank identified as T1 intermittently stores certification fuel and JP5 on as as needed basis.

(i) Source ID 132 (Diesel Engine Test Cells 1-5) was removed and replaced by Source ID's 132A through F at the 2016 renewal issuance of this permit with the incorporation of Plan Approvals 43-196C and 43-196D.

(j) Control Device C132F (Diesel Engine Test Cell 6 Control Device) consists of the following:

- Diesel Particulate Filter (DPF) with an integral Diesel Oxidation Catalyst (DOC) using a 6.5 mmbtu/hr natural gas burner to preheat the catalyst prior to engine startup and to regenerate the DPF.
- Selective Catalytic Reduction (SCR) system

(k) Source 140 (Cleaning Operations) consists of the following equipment:

	Stack ID	Description	Location
(1)	S21	FDL Steam Booth	A-27
(2)	S38	Evo Steam Booth	A-19
(3)	S22	Frame Tank	A-17
(4)	S23	UX Steam Booth	A-15
(5)	S24	Proceco Washer	A-14
(6)	S28	E-Mark Jet Washer	J-31
(7)	S29	Proceco Washer	G-32
(8)	Z30	Hurricane Washer	R-43 (Hurricane washer now exhausts indoors.)
(9)	S37	Turbo Line Steam Booth	E-41 (The original steam booth with a stack designation of S32 was replaced with a new booth at location E-41 in 2018. This new steam booth with a stack designation of S36 was RFD approved on Dec. 14, 2014, and is not subject to the provisions of RACT II because it was installed after the § 129.96 applicability date of July 20, 2012. Stack ID changed from S36 to S37 at 2022 TV renewal.)

(10) [The Intex Tank with stack designation E33 at location E-41 was removed from the facility and not replaced. Ref. Sept. 28, 2018, Application for TV mod.]

- | | | | | |
|------|-----|------------------|------|---------------------|
| (11) | S34 | 2 Open Top Tanks | K-41 | |
| (12) | S35 | Frame Washer | C-27 | Added January 2013. |
| (13) | S36 | Crank Washer | B-26 | Added March 2013. |

(l) The following sources have minor emissions and no applicable emission, testing, monitoring, recordkeeping or reporting requirements:

(1) Diesel Fuel Storage Tanks (2 @ 25,000 gallons each)

(2) Marine Diesel Storage Tank - (15,000 gallons) Changed from a 2,000 gallon lube oil tank in March of 2010. This note was made in conjunction with permit reissuance in June of 2010.

**SECTION H. Miscellaneous.**

- (3) Storage Tanks < 10,000 gallons
 - (4) Lube oil storage (6,000 gallons)
 - (5) Lube oil storage (6,000 gallons)
 - (6) Lube oil storage (3,000 gallons)
 - (7) Lube oil storage (3,000 gallons)
 - (8) Diesel fuel storage (300 gallons) (FML003)
 - (9) Parts Washers (less than 10 sq ft) (Does not use any solvent containing methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride or chloroform, or any combination of these halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent)
 - (10) Machining/drilling/cutting/forming stations (including plasma cutting)
 - (11) Shot blasts
 - (12) Welding (TIG/ARC/Laser/MIG)
 - (13) Urea Tank (5,000 gallon)
 - (14) The "Source Category & Insignificant Activities Exemptions" list as published in the PA Bulletin, Vol. 26, NO. 38, September 21, 1998, and any subsequent revisions published thereto existing now and/or published in the future.
- (m) The following regulations have been determined to be non-applicable to GETS diesel engine manufacturing plant, Grove City, facility at the time of permit issuance:
- (1) 25 PA Code 123.25 [Sulfur Compound Emissions - Monitoring Requirements]
 - (2) 25 PA Code 123.46 [Visible Emissions - Monitoring Requirements]
 - (3) 25 PA Code 123.51 [Nitrogen Compound Emissions - Monitoring Requirements]
 - (4) 25 PA Code Chapter 126 [Standards for Motor Fuels]
 - Subchapter A [Oxygenate Content]
 - Subchapter B [Employer Trip Reduction]
 - Subchapter C [Gasoline Volatility Requirements]
 - (5) 25 PA Code 129.54 [Seasonal operation of auxiliary incineration equipment]
 - (6) 25 PA Code 129.61 [Small gasoline storage tank control (Stage I control)]
 - (7) 25 PA Code 129.62 [General standards for bulk gasoline terminals, bulk gasoline plants and small gasoline storage tanks]
 - (8) 25 Pa. Code 129.63 [RACT for Degreasing Operations]
 - (9) 25 PA Code 129.66 [Compliance schedules and final compliance dates]
 - (10) 25 PA Code 129.82 [Control of VOC's from gasoline dispensing facilities (Stage II)]
 - (11) 25 PA Code Chapter 137 [Air Pollution Episodes]
 - (12) 25 PA Code 139.108 [TRS compound monitoring requirements]
 - (13) 40 CFR Part 60 Subpart D [Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971]
 - (14) 40 CFR Part 60 Subpart Db [Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units]
 - (15) 40 CFR Part 60 Subpart Dc [Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units]
 - (16) 40 CFR Part 60 Subpart K [Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978]
 - (17) 40 CFR Part 60 Subpart Ka [Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984]
 - (18) 40 CFR Part 60 Subpart Kb [Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984]
 - (19) 40 CFR Part 61 Subpart C [National Emission Standard for Beryllium]
 - (20) 40 CFR Part 61 Subpart E [National Emission Standard for Mercury]
 - (21) 40 CFR Part 61 Subpart F [National Emission Standard for Vinyl Chloride]
 - (22) 40 CFR Part 61 Subpart J [National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene]
 - (23) 40 CFR Part 61 Subpart V [National Emission Standard for Equipment Leaks (Fugitive Emission Sources)]
 - (24) 40 CFR Part 63 Subpart H [National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks]
 - (25) 40 CFR Part 63 Subpart I [National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks]
 - (26) 40 CFR Part 63 Subpart Q [National Emission Standards for Organic Hazardous Air Pollutants for Industrial Process Cooling Towers]
 - (27) 40 CFR Part 63 Subpart T [National Emission Standards for Halogenated Solvent Cleaning]
 - (28) 40 CFR Part 63 Subpart OO [National Emission Standards for Organic Hazardous Air Pollutants for Tanks - Level 1]
 - (29) 40 CFR Part 63 Subpart PP [National Emission Standards for Organic Hazardous Air Pollutants for Containers]
 - (30) 40 CFR Part 63 Subpart RR [National Emission Standards for Organic Hazardous Air Pollutants for Individual Drain]

**SECTION H. Miscellaneous.**

Systems]

- (31) 40 CFR Part 63 Subpart VV [National Emission Standards for Organic Hazardous Air Pollutants for Oil-Water Separators and Organic-Water Separators]
- (32) 40 CFR Part 63, Subpart MMMM [NESHAP for Miscellaneous Metal Parts and Products].
- (33) 40 CFR Part 63, Subpart PPPPP [NESHAP for Engine Test Cells/Standards]
- (34) 40 CFR Part 63, Subpart HHHHHH (H6) [National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources]. This regulation was determined to be not applicable because EH&S Manager David M. Murone advised the Department that the coatings used at the facility do not contain levels of the target HAP's (Cr, Pb, Mn, Ni, Cd) to make this subpart applicable.
- (35) 40 CFR Part 63, Subpart XXXXXX (X6) [National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories] - This regulation was determined to be not applicable because the SIC code of 3519, nor the NAICS code of 333618, have been included in any of the material that EPA has published on this NESHAP.
- (36) 40 CFR 64 [Compliance Assurance Monitoring]
- (37) 40 CFR Part 69 [Special Exemptions from Requirements of the Clean Air Act]
- (38) 40 CFR Part 72 [Permits Regulation]
- (39) 40 CFR Part 73 [Sulfur Dioxide Allowance System]
- (40) 40 CFR Part 74 [Sulfur Dioxide Opt-Ins]
- (41) 40 CFR Part 75 [Continuous Emission Monitoring]
- (42) 40 CFR Part 76 [Acid Rain Nitrogen Oxides Emission Reduction Program]
- (43) 40 CFR Part 77 [Excess Emissions]
- (44) 40 CFR Part 78 [Appeal Procedures for Acid Rain Program]
- (45) 40 CFR Part 79 [Registration of Fuels and Fuel Additives]
- (46) 40 CFR Part 80 [Regulation of Fuels and Fuel Additives]
- (47) 40 CFR Part 85 [Control of Air Pollution from Motor Vehicles and Motor Vehicle Engines]
- (48) 40 CFR Part 87 [Control of Air Pollution from Aircraft and Aircraft Engines]
- (49) 40 CFR Part 88 [Clean-Fuel Vehicles]
- (50) 40 CFR Part 90 [Control of Emissions from Non road Spark-Ignition Engines]

(n) This Operating Permit No. TV 43-00196 was originally issued on July 12, 1999, and effective on October 1, 1999, and expires on July 31, 2004. Revision #1, effective on May 21, 2001, was a result of the resolution of an appeal by the Permittee of the Original Permit issued on July 12, 1999, and subsequent changes to the RACT approval. The permit # 43-00196 was renewed on January 4, 2005, effective immediately and will expire on December 31, 2009. Revision #1, effective on May 16, 2005, was for the addition of plan approval 43-196B (For source 037) conditions into the operating permit.

(o) This permit was reissued on July 8, 2010. It will expire on June 30, 2015.

(p) This permit was administratively amended on October 1, 2012, to change the responsible official to William Carney.

(q) This operating permit renewal, which includes an administrative amendment to incorporate the conditions of plan approvals 43-196C and 43-196D, is effective August 2, 2016, and is issued on August 2, 2016.

(r) This permit was amended on June 4, 2019, to incorporate the change of ownership to Wabtec and to change the permit contact to Zambia Logero - EHS Manager.

(s) This significant modification to the Title V operating permit, effective October 7, 2019, is issued on October 7, 2019, to incorporate the alternative RACT II case-by-case conditions.

(t) This Title V operating permit renewal, effective May 24, 2022, is issued on May 24, 2022.



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