



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: June 9, 2021

Effective Date: July 1, 2021

Expiration Date: June 30, 2026

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 28-05009

Synthetic Minor

Federal Tax Id - Plant Code: 23-6002979-1

Owner Information

Name: CHAMBERSBURG BORO FRANKLIN CNTY
Mailing Address: 100 S 2ND ST
CHAMBERSBURG, PA 17201-2515

Plant Information

Plant: CHAMBERSBURG BORO/FALLING SPRING 2ND ST DIESEL POWER PLT
Location: 28 Franklin County 28001 Chambersburg Borough
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: RONALD W PEZON
Title: ELECTRIC DEPT SUPERINTEND
Phone: (717) 251 - 2426 Email: rpezon@chambersburgpa.gov

Permit Contact Person

Name: JERRY E HOWE
Title: POWER SUPPLY SUPERVISOR
Phone: (717) 709 - 2284 Email: jhowe@chambersburgpa.gov

[Signature] _____
WILLIAMR. WEAVER, SOUTHCENTRAL REGION AIR PROGRAMMANAGER



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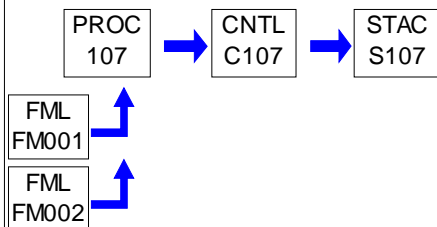
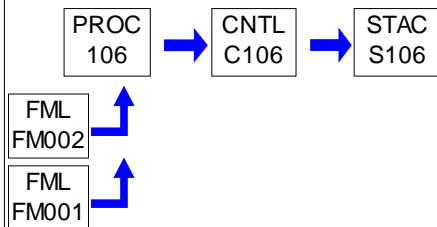
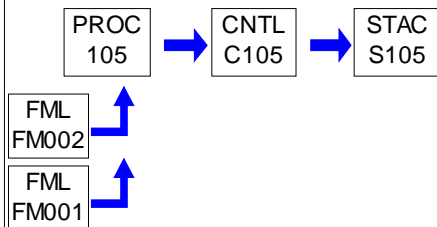
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Source ID	Source Name	Capacity/Throughput		Fuel/Material
105	ENGINE (FAIRBANKS MORSE)	19.551	MMBTU/HR	
		19.600	MCF/HR	Natural Gas
		135.000	Gal/HR	#2 Oil
106	ENGINE (FAIRBANKS MORSE)	19.551	MMBTU/HR	
		135.000	Gal/HR	#2 Oil
		19.600	MCF/HR	Natural Gas
107	ENGINE (FAIRBANKS MORSE)	31.734	MMBTU/HR	
		225.000	Gal/HR	#2 Oil
		31.800	MCF/HR	Natural Gas
201	REMOTE RESERVOIR COLD CLEANING MACHINE(S)			
C105	SOURCE 105 OXIDATION CATALYST			
C106	SOURCE 106 OXIDATION CATALYST			
C107	SOURCE 107 OXIDATION CATALYST			
FM001	DIESEL FUEL			
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PERMIT MAPS



PERMIT MAPS

PROC
201



STAC
Z201

**SECTION B. General State Only 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 in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) 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.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating 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.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). 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.
- (d) 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.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) 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 as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) 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.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and 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 a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

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

(1) Enter at reasonable times upon the permittee's premises where a 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, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any 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, any 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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(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.

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

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

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- (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 for the source is 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 State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) 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.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

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

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. 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.

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

(c) Except as provided below in (d), the permittee is authorized 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, the regulations thereunder 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, the regulations thereunder or 25 Pa. Code Article III.

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

- (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.
- (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 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.
- (e) 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 (c)(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 this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (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, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making 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.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (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)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(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).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) 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 in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

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

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

(b) The permittee shall retain records of any 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.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

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

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, 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 of a Synthetic Minor Facility 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.

#024 [25 Pa. Code §135.4]**Report Format**

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

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

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving and maintenance of roads and streets.
- (c) 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.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning of clearing and grubbing wastes (trees, shrubs and other native vegetation which are cleared from land during or prior to the process of construction; does not include demolition wastes and dirt-laden roots).
- (g) Sources and classes of sources other than those identified in (a)-(f), above, for which the permittee has obtained a determination from the Department, in accordance with 25 Pa. Code §123.1(b), that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

The permittee shall not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001(a)-(f), if the emissions are visible at the point the emissions pass outside the permittee's property.

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

The permittee shall not allow 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 permittee's property.

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

The permittee shall not allow 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:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one hour.
- (b) Equal to or greater than 60% at any time.

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

The emission limitations of Section C, Condition #004, shall not apply when:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) The emission results from sources specified in Section C, Condition #001(a)-(g).

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) 100 tons per year (TPY) of NO_x.
- (b) 100 TPY of carbon monoxide (CO).
- (c) 50 TPY of volatile organic compounds (VOC).
- (d) 100 TPY of sulfur oxides (SO_x).
- (e) 100 TPY of PM-10 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 10 micron body).
- (f) 100 TPY of PM-2.5 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 2.5 micron body).
- (g) 10 TPY of any individual hazardous air pollutant (HAP).
- (h) 25 TPY of aggregate HAPs.

007 [25 Pa. Code §129.14]**Open burning operations**

(a) The permittee shall not allow the open burning of material on the permittee's property in a manner such that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the permittee's property.
- (2) Malodorous air contaminants from the open burning are detectable outside the permittee's property.
- (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.

(b) The requirements of part (a), above, do not apply when 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) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

(c) This plan approval condition does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act (SWMA), contained at 35 P.S. Section 6018.610(3), or any other provision of the SWMA.

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

The Department reserves the right to require exhaust stack testing of the sources referenced in this operating permit to measure emissions for purposes including verification of operating permit condition compliance and estimation of annual air emissions.

009 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and

**SECTION C. Site Level Requirements**

adequate utilities for the performance by the Department of tests on such source. In the request, the Department will set forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

010 [25 Pa. Code §139.11]**General requirements.**

- (a) As specified in 25 Pa. Code §139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.
- (b) As specified in 25 Pa. Code §139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:
- (1) A thorough source description, including a description of any air cleaning devices and the flue.
 - (2) Process conditions, for example, the production rate, paint usage rate, and other conditions which may affect emissions from the process.
 - (3) The location of the sampling ports.
 - (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂, and N₂), static and barometric pressures.
 - (5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
 - (6) Laboratory procedures and results.
 - (7) Calculated results.

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §123.43]****Measuring techniques**

The permittee shall measure visible emissions (referenced in Section C, Conditions #004, #005 and #012) using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g., Continuous Opacity Monitor).
- (b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

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

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

- (a) The presence of visible emissions as stated in Section C, Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #011. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.
- (b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Section C,

**SECTION C. Site Level Requirements**

Condition #002.

(c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003.

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

(a) The permittee shall calculate the monthly air emissions from the facility using material balance, AP-42 emission factors, manufacturer-supplied emission factors, performance (stack) test data, CEMS data, or other method(s) acceptable to the Department. The permittee shall maintain records of the facility's monthly air emissions and calculations.

(b) The permittee shall calculate the cumulative facility air emissions for each consecutive 12-month period. The permittee shall maintain records of the cumulative facility air emissions for each consecutive 12-month period in order to demonstrate compliance with Section C, Condition #006.

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

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

(a) The permittee shall maintain records of the fuel supplier's certification or laboratory analysis for each No. 2 fuel oil delivery received. The fuel supplier's certification or laboratory analysis shall include, at a minimum, the percent sulfur (by weight). At a minimum frequency of semi-annually, the permittee shall obtain a fuel supplier's certification or laboratory analysis that includes the No. 2 fuel oil's heating value (BTU/gallon).

(b) At a minimum frequency of semi-annually, the permittee shall obtain a fuel supplier's certification or laboratory analysis that includes the natural gas fuel's sulfur content (gr/100 scf or percent sulfur (by volume)) and heating value (BTU/CF).

(c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

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

(a) The permittee shall maintain records of the monthly usage of each fuel consumed at the entire facility.

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

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

(a) The permittee shall maintain records of the weekly inspections referenced in Section C, Condition #012. The records shall include, at a minimum, the following information:

(1) The name of the company representative monitoring each inspection.

(2) The date and time of each inspection.

(3) The wind direction during each inspection.

(4) A description of the visible emissions, fugitive particulate matter emissions (beyond the plant property boundaries), and malodorous air contaminants (beyond the plant property boundaries) observed, if any, and actions taken to mitigate them. If no visible emissions or fugitive particulate matter emissions or malodors are observed, then document that none were observed.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the

**SECTION C. Site Level Requirements**

Department upon its request.

V. REPORTING REQUIREMENTS.**# 017 [25 Pa. Code §127.442]****Reporting requirements.**

The permittee shall report malfunctions which occur at the facility to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, a malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or unusual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

- (a) Any malfunction which poses an imminent danger to public health, safety, welfare and environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Air Quality Program at 814-946-7290 during normal business hours, or to the Department's Emergency Hotline at 1800-541-2050. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) business days of the telephone report.
- (b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of paragraph one above, shall be reported to the Department, in writing, within five (5) days of discovery of the malfunction.

018 [25 Pa. Code §135.3]**Reporting**

(a) An annual air emissions report for a given calendar year is due no later than March 1 of the following year, and shall be submitted to the Air Quality District Supervisor, at the following address, unless otherwise specified:

PA Department of Environmental Protection
Altoona District Office
Air Quality Program
3001 Fairway Drive
Altoona, PA 16602

- (b) The monthly fuel usage referenced in Section C, Condition #015, shall be included in the annual air emissions report.
- (c) The monthly air emissions and calculations referenced in Section C, Condition #013, shall be included in the annual air emissions report.
- (d) The permittee may request an extension of time from the Department for the filing of the air emissions report specified in part (a), above, and the Department may grant the extension for reasonable cause.

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

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)-(g). These actions shall include, but not be limited to, the following:

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



SECTION C. Site Level Requirements

(c) Paving and maintenance of roadways.

(d) 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.

020 [25 Pa. Code §127.444]

Compliance requirements.

The permittee shall operate and maintain all sources and any air cleaning devices identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating and air pollution control practices that minimize air emissions.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.



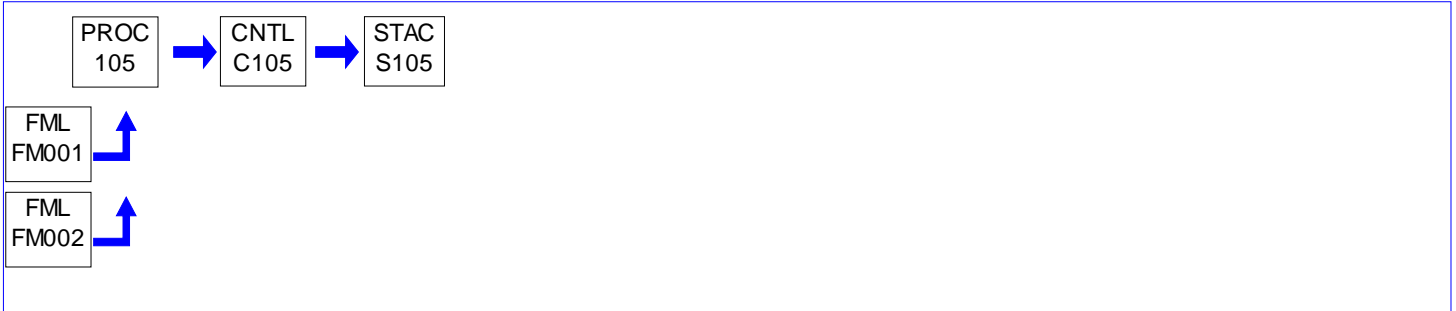
SECTION D. Source Level Requirements

Source ID: 105

Source Name: ENGINE (FAIRBANKS MORSE)

Source Capacity/Throughput:	19.551	MMBTU/HR	
	19.600	MCF/HR	Natural Gas
	135.000	Gal/HR	#2 Oil

Conditions for this source occur in the following groups: 001
002
003



I. RESTRICTIONS.

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



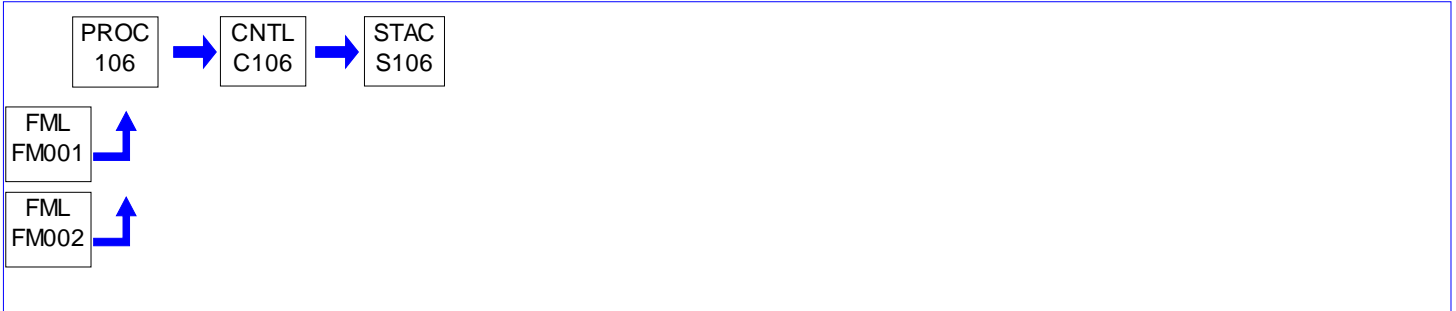
SECTION D. Source Level Requirements

Source ID: 106

Source Name: ENGINE (FAIRBANKS MORSE)

Source Capacity/Throughput:	19.551	MMBTU/HR	
	135.000	Gal/HR	#2 Oil
	19.600	MCF/HR	Natural Gas

Conditions for this source occur in the following groups: 001
 002
 003



I. RESTRICTIONS.

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



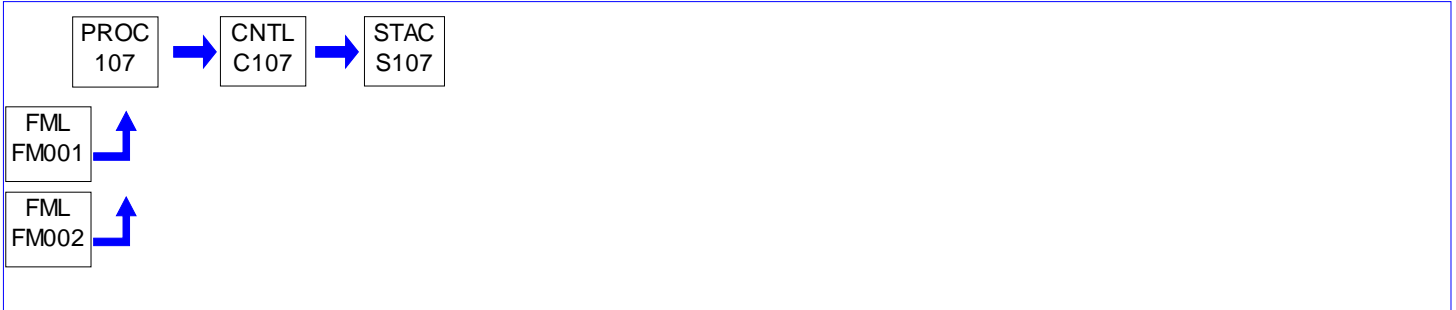
SECTION D. Source Level Requirements

Source ID: 107

Source Name: ENGINE (FAIRBANKS MORSE)

Source Capacity/Throughput:	31.734 MMBTU/HR	
	225.000 Gal/HR	#2 Oil
	31.800 MCF/HR	Natural Gas

Conditions for this source occur in the following groups: 001
002



I. RESTRICTIONS.

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

VII. ADDITIONAL REQUIREMENTS.

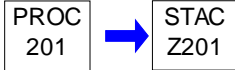
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: REMOTE RESERVOIR COLD CLEANING MACHINE(S)

Source Capacity/Throughput:

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

001 [25 Pa. Code §129.63]

Degreasing operations

(a) The permittee may not use in each Source ID 201 machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) This permit condition does not apply:

(1) If any Source ID 201 machine is used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

- (A) Oxygen in concentrations greater than 23%
- (B) Ozone
- (C) Nitrous oxide
- (D) Fluorine
- (E) Chlorine
- (F) Bromine
- (G) Halogenated compounds

(2) If the permittee demonstrates, and the Department approves in writing, that compliance with this permit condition will result in unsafe operating conditions.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall maintain the following records for each Source ID 201 machine:

- (a) The name and address of the solvent supplier.
- (b) The type of solvent including the product or vendor identification number.
- (c) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other

**SECTION D. Source Level Requirements**

appropriate documentation acceptable to the Department may be used to comply with this section.

The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.63]****Degreasing operations**

Each Source ID 201 machine shall have a permanent, conspicuous label summarizing the operating requirements in Condition #004, below. In addition, the label shall include the following discretionary good operating practices:

- (a) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to each cold cleaning machine.
- (b) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- (c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

004 [25 Pa. Code §129.63]**Degreasing operations**

Each Source ID 201 machine shall be equipped with one of the following:

- (a) A cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent.
- (b) A perforated drain with a diameter of not more than six (6) inches, if the Source ID 201 machine drains directly into the solvent storage reservoir.

005 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall operate each Source ID 201 machine in accordance with the following procedures:

- (a) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (b) Flushing of parts using a flexible hose or other flushing device shall be performed only within the Source ID 201 machines. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the Source ID 201 machines.
- (d) Air-agitated solvent baths may not be used.
- (e) Spills during solvent transfer and use of each Source ID 201 machine shall be cleaned up immediately.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 006 [25 Pa. Code §129.63]****Degreasing operations**

All of the aforementioned permit conditions apply to any Source ID 201 machine using 2 gallons or more of solvents containing greater than 5% VOC content (by weight) for the cleaning of metal parts.

**SECTION E. Source Group Restrictions.**

Group Name: 001

Group Description: RECIPROCATING INTERNAL COMBUSTION ENGINES

Sources included in this group

ID	Name
105	ENGINE (FAIRBANKS MORSE)
106	ENGINE (FAIRBANKS MORSE)
107	ENGINE (FAIRBANKS MORSE)

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

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter (PM) from any Group 001 engine in a manner that the concentration of PM in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides from any Group 001 engine in a manner that the concentration of the sulfur oxides (expressed as SO₂) in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

The permittee shall operate each Group 001 engine using either natural gas and/or diesel/No. 2 fuel oil only.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

The permittee shall operate each dedicated oxidation catalyst at all times that its respective Group 001 engine is operating.

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

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

**SECTION E. Source Group Restrictions.**

Group Name: 002

Group Description: SOURCES SUBJECT TO MACT SUBPART ZZZZ

Sources included in this group

ID	Name
105	ENGINE (FAIRBANKS MORSE)
106	ENGINE (FAIRBANKS MORSE)
107	ENGINE (FAIRBANKS MORSE)

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [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 stati**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

Compliance with the numerical emission limitations established in 40 CFR Part 63, Subpart ZZZZ, is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in 40 CFR §63.6620 and Table 4 to 40 CFR Part 63, Subpart ZZZZ. [NOTE: THE APPLICABLE TABLE 4 REQUIREMENTS ARE DESCRIBED BELOW]

(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 40 CFR Part 63, Subpart ZZZZ, and the operating limitations in Table 2b to 40 CFR Part 63, Subpart ZZZZ, that apply to you. [NOTE: THE APPLICABLE TABLES 2b AND 2d REQUIREMENTS ARE DESCRIBED BELOW]

(b) [N/A - THE FACILITY IS NOT LOCATED IN ALASKA]

(c) [N/A - THE STATIONARY RICEs ARE NOT LOCATED ON AN OFFSHORE VESSEL]

(d) [N/A - THE STATIONARY RICEs ARE NOT CERTIFIED TO THE TIER 1 OR TIER 2 EMISSION STANDARDS IN TABLE 1 OF 40 CFR §89.112 AND ARE NOT SUBJECT TO AN ENFORCEABLE STATE OT LOCAL STANDARD THAT REQUIRES THEM TO BE REPLACED NO LATER THAN JUNE 1, 2018]

(e) [N/A - THE STATIONARY RICEs ARE NOT CERTIFIED TO THE TIER 2 EMISSION STANDARDS IN TABLE 1 OF 40 CFR §89.112]

(f) [N/A - THE STATIONARY RICEs ARE NOT SPARK IGNITION (SI) 4SLB OR 4SRB STATIONARY RICEs; THEY ARE COMPRESSION IGNITION (CI) 2SLB STATIONARY RICEs]

[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]

Table 2b to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Operating Limitations for New and Reconstructed 2SLB and CI Stationary RICE > 500 HP Located at a Major Source of HAP Emissions, New and Reconstructed 4SLB Stationary RICE = 250 HP Located at a Major Source of HAP Emissions, Existing CI Stationary RICE > 500 HP)

As stated in 40 CFR §§63.6600, 63.6601, 63.6603, 63.6630, and 63.6640, you must comply with the following operating limitations for new and reconstructed 2SLB and CI stationary RICE > 500 HP located at a major source of HAP emissions; new and reconstructed 4SLB stationary RICE = 250 HP located at a major source of HAP emissions; and existing CI stationary RICE > 500 HP, except during periods of startup:

For each existing CI stationary RICE > 500 HP complying with the requirement to limit or reduce the concentration of CO in the stationary RICE exhaust and using an oxidation catalyst, you must:

**SECTION E. Source Group Restrictions.**

(2)(a) Maintain your catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test [NOTE: THE PRESSURE DROPS ACROSS THE OXIDATION CATALYSTS MEASURED DURING THE COMPLIANT INITIAL PERFORMANCE TESTS CONDUCTED ON 5/06/14 (SOURCE IDs 105 AND 106) AND 11/13/14 (SOURCE ID 107) ARE THE FOLLOWING: SOURCE ID 105 = 1.0 in. water; SOURCE ID 106 = 2.0 in. water; SOURCE ID 107 = 2.2 in. water]; and

(2)(b) Maintain the temperature of your stationary RICE exhaust so that the catalyst inlet temperature is greater than or equal to 450°F and less than or equal to 1350°F*.

* Sources can petition the Administrator pursuant to the requirements of 40 CFR §63.8(f) for a different temperature range.

[78 FR 6707, Jan. 30, 2013]

Table 2d to 40 CFR Part 63, 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 40 CFR §§63.6603 and 63.6640, you must comply with the following requirements for existing non-emergency, non-black start CI stationary RICE > 500 HP located at area sources of HAP emissions, except during periods of startup:

(3)(a) Limit the concentration of carbon monoxide (CO) in the stationary RICE exhaust to 23 ppmvd at 15% oxygen; or

(3)(b) Reduce CO emissions by 70% or more.

[78 FR 6709, Jan. 30, 2013]

Table 4 to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Requirements for Performance Tests)

As stated in 40 CFR §§63.6610, 63.6611, 63.6612, 63.6620, and 63.6640, you must comply with the following requirements for performance tests for stationary RICE:

For each CI stationary RICE complying with the requirement to reduce CO emissions, you must:

(1)(a)(i) Measure the oxygen at the inlet and outlet of the control device using Method 3 or 3A or 3B of 40 CFR Part 60, Appendix A, or ASTM Method D6522-00 (Reapproved 2005)*# [measurements to determine oxygen must be made at the same time as the measurements for CO concentration]; and

(1)(a)(ii) Measure the CO at the inlet and the outlet of the control device using ASTM D6522-00 (Reapproved 2005)*\$# or Method 10 of 40 CFR Part 60, Appendix A (the CO concentration must be at 15 percent oxygen, dry basis).

AND

(3)(a)(i) Select the sampling port location and the number of traverse points using Method 1 or 1A of 40 CFR Part 60, Appendix A 40 CFR §63.7(d)(1)(i) [the sampling site must be located at the outlet of the control device]; and

(3)(a)(ii) Determine the oxygen concentration of the stationary RICE exhaust at the sampling port location using Method 3 or 3A or 3B of 40 CFR Part 60, Appendix A, or ASTM Method D6522-00 (Reapproved 2005)* [measurements to determine oxygen concentration must be made at the same time and location as the measurements for CO concentration]; and

(3)(a)(iii) Measure moisture content of the stationary RICE exhaust at the sampling port location using Method 4 of 40 CFR Part 60, Appendix A, or Test Method 320 of 40 CFR Part 63, Appendix A, or ASTM D 6348-03* (measurements to determine moisture content must be made at the same time and location as the measurements for CO concentration); and

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(3)(a)(v) Measure CO at the exhaust of the stationary RICE using Method 10 of 40 CFR Part 60, Appendix A, ASTM Method D6522-00 (2005)*#, Method 320 of 40 CFR Part 63, Appendix A, or ASTM D6348-03* (CO concentration must be at 15 percent oxygen, dry basis; results of this test consist of the average of the three 1-hour or longer runs).

* Incorporated by reference, see 40 CFR §63.14. You may also obtain copies from University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106.

\$ You may also use Method 320 of 40 CFR Part 63, Appendix A, or ASTM D6348-03.

ASTM-D6522-00 (2005) may be used to test both CI and SI stationary RICE.

[78 FR 6711, Jan. 30, 2013]

Fuel Restriction(s).**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What fuel requirements must I meet if I own or operate an existing stationary CI RICE?**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) If you own or operate an existing non-emergency, non-black start CI stationary RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, you must use diesel fuel that meets the requirements in 40 CFR §1090.305 for nonroad diesel fuel.

(b) [N/A - THE ENGINES ARE NOT EMERGENCY STATIONARY RICEs]

(c) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH ARE NOT AN EMERGENCY STATIONARY RICE; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(d) [N/A - THE FACILITY IS NOT LOCATED IN GUAM, AMERICAN SAMOA, THE COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS, ALASKA, OR ON AN OFFSHORE VESSEL]

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020]

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) Pursuant to 25 Pa. Code §139.3, at least 30 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the 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.

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

(c) Pursuant to 25 Pa. Code §139.53(a)(3), within 15 calendar days after completion of the on-site testing portion of an emissions test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Bureau of Air Quality's Division of Source Testing and Monitoring and the Southcentral Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR §60.8(a), a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emissions test program.

(e) Pursuant to 25 Pa. Code §139.53(b), a complete test report shall include a summary of the emissions results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or

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non-compliance with all applicable plan approval/operating permit conditions. The summary results will include, at a minimum, the following information:

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

(h) Pursuant to 25 Pa. Code §§139.53(a)(1) and 139.53(a)(3), all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>. If internet submittal can not be accomplished, one (1) copy of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachel Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, two (2) copies of the submittal shall be sent to the Southcentral Regional Office at the following address:

PADEP
Southcentral Regional Office
Air Quality Program
909 Elmerton Avenue
Harrisburg, PA 17110-8200

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

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6615]

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

When must I conduct subsequent performance tests?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

If you must comply with the emission limitations and operating limitations, you must conduct subsequent performance tests as specified in Table 3 to 40 CFR Part 63, Subpart ZZZZ. [NOTE: THE APPLICABLE TABLE 3 REQUIREMENTS ARE DESCRIBED BELOW]

Table 3 to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Subsequent Performance Tests)

As stated in 40 CFR §§63.6615 and 63.6620, you must comply with the following subsequent performance test requirements:

For each existing non-emergency, non-black start CI stationary RICE > 500 HP that are not limited use stationary RICE complying with the requirement to limit or reduce CO emissions and not using a CEMS, you must:

- (4) Conduct subsequent performance tests every 8,760 hours or 3 years, whichever comes first.

[78 FR 6711, Jan. 30, 2013]

**SECTION E. Source Group Restrictions.****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6620]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What performance tests and other procedures must I use?**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) You must conduct each performance test in Tables 3 and 4 of 40 CFR Part 63, Subpart ZZZZ, that applies to you. [NOTE: THE APPLICABLE TABLES 3 AND 4 REQUIREMENTS ARE DESCRIBED IN CONDITIONS #004 AND #001, RESPECTIVELY, ABOVE]

(b) Each performance test must be conducted according to the requirements that 40 CFR Part 63, Subpart ZZZZ, specifies in Table 4 to 40 CFR Part 63, Subpart ZZZZ. If you own or operate a non-operational stationary RICE that is subject to performance testing, you do not need to start up the engine solely to conduct the performance test. Owners and operators of a non-operational engine can conduct the performance test when the engine is started up again. The test must be conducted at any load condition within plus or minus 10 percent of 100 percent load for the stationary RICE listed in 40 CFR §63.6620(b)(1) through (4), below.

(1) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING NON-4SRB STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING NON-4SLB STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(3) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING NON-2SLB STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(4) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(c) [Reserved]

(d) You must conduct three separate test runs for each performance test required in 40 CFR §63.6620, as specified in 40 CFR §63.7(e)(3). Each test run must last at least 1 hour, unless otherwise specified in 40 CFR Part 63, Subpart ZZZZ.

(e)(1) You must use Equation 1 of 40 CFR §63.6620, below, to determine compliance with the percent reduction requirement:

$$[(C_i - C_o) / (C_i)] \times 100 = R \quad \{\text{Equation 1}\}$$

Where:

C_i = concentration of carbon monoxide (CO) at the control device inlet,

C_o = concentration of CO at the control device outlet, and

R = percent reduction of CO emissions.

(2) You must normalize the CO concentrations at the inlet and outlet of the control device to a dry basis and to 15 percent oxygen, or an equivalent percent carbon dioxide (CO₂). If pollutant concentrations are to be corrected to 15 percent oxygen and CO₂ concentration is measured in lieu of oxygen concentration measurement, a CO₂ correction factor is needed. Calculate the CO₂ correction factor as described in 40 CFR §63.6620(e)(2)(i) through (iii), below.

(i) Calculate the fuel-specific F_o value for the fuel burned during the test using values obtained from Method 19, Section 5.2, and the following equation:

$$F_o = (0.209)(F_d) / (F_c) \quad \{\text{Equation 2}\}$$

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Where:

Fo = Fuel factor based on the ratio of oxygen volume to the ultimate CO₂ volume produced by the fuel at zero percent excess air,

0.209 = Fraction of air that is oxygen, percent/100,

Fd = Ratio of the volume of dry effluent gas to the gross calorific value of the fuel from Method 19, dsm³/J (dscf/mmBTU), and

Fc = Ratio of the volume of CO₂ produced to the gross calorific value of the fuel from Method 19, dsm³/J (dscf/mmBTU).

(ii) Calculate the CO₂ correction factor for correcting measurement data to 15 percent oxygen, as follows:

$$X[\text{CO}_2] = (5.9) / (\text{Fo}) \quad \{\text{Equation 3}\}$$

Where:

X[CO₂] = CO₂ correction factor, percent,

5.9 = 20.9 percent oxygen - 15 percent oxygen, the defined oxygen correction value, percent, and

Fo = Fuel factor based on the ratio of oxygen volume to the ultimate CO₂ volume produced by the fuel at zero percent excess air,

(iii) Calculate the CO gas concentrations adjusted to 15 percent oxygen using CO₂ as follows:

$$\text{Cadj} = (\text{Cd})(X[\text{CO}_2]) / \% \text{CO}_2 \quad \{\text{Equation 4}\}$$

Where:

Cadj = Calculated concentration of CO adjusted to 15 percent oxygen,

Cd = Measured concentration of CO, uncorrected,

X[CO₂] = CO₂ correction factor, percent, and

%CO₂ = Measured CO₂ concentration measured, dry basis, percent.

(f) [N/A - THE STATIONARY RICEs ARE CONTROLLED BY DEDICATED OXIDATION CATALYSTS AND ARE NOT SUBJECT TO ANY FORMALDEHYDE EMISSION LIMITATIONS]

(g) [N/A - APPROVAL OF OPERATING LIMITS IS NOT AN AVAILABLE OPTION; SEE 40 CFR §63.6620(f), ABOVE]

(h) [N/A - APPROVAL OF NO OPERATING LIMITS IS NOT AN AVAILABLE OPTION; SEE 40 CFR §63.6620(f), ABOVE]

(i) The engine percent load during a performance test must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination must be included in the notification of compliance status. The following information must be included in the written report: the engine model number; the engine manufacturer; the year of purchase; the manufacturer's site-rated brake horsepower; the ambient temperature; pressure; and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc., are used, the model number of the measurement device, and an estimate of its accurate in percentage of true value must be provided.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9676, Mar. 3, 2010; 78 FR 6702, Jan. 30, 2013]

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.****# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) [N/A - THE STATIONARY RICEs DO NOT EMPLOY CEMS]

(b) If you are required to install a continuous parameter monitoring system (CPMS) as specified in Table 5 to 40 CFR Part 63, Subpart ZZZZ, you must install, operate, and maintain each CPMS according to the requirements in 40 CFR §63.6625(b)(1) through (6), below. For an affected source that is complying with the emission limitations and operating limitations on March 9, 2011, the requirements in 40 CFR §63.6625(b) are applicable September 6, 2011. [NOTE: THE APPLICABLE TABLE 5 REQUIREMENTS ARE DESCRIBED BELOW]

(1) You must prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in 40 CFR §63.6625(b)(1)(i) through (v), below, and in 40 CFR §63.8(d). As specified in 40 CFR §63.8(f)(4), you may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in 40 CFR §63.6625(b)(1) through (5), below, in your site-specific monitoring plan.

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

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

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

(iv) Ongoing operation and maintenance procedures in accordance with provisions in 40 CFR §63.8(c)(1)(ii) and (c)(3); and

(v) Ongoing reporting and recordkeeping procedures in accordance with provisions in 40 CFR §63.10(c), (e)(1), and (e)(2)(i).

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

(3) The CPMS must collect data at least once every 15 minutes (see also 40 CFR §63.6635).

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

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

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

(c) [N/A - THE STATIONARY RICEs ARE EXISTING STATIONARY RICES AND DO NOT FIRE ANY LANDFILL GAS OR DIGESTER GAS]

(d) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING NON-4SLB NON-EMERGENCY STATIONARY RICE HAVING A SITE RATING GREATER THAN 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(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

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consistent with good air pollution control practices for minimizing emissions:

(1) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING OF GREATER THAN OR EQUAL TO 100 HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A NON-EMERGENCY AND NON-BLACK START STATIONARY RICE HAVING A SITE RATING GREATER THAN 500 HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(3) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A NON-EMERGENCY AND NON-BLACK START STATIONARY RICE]

(4) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING GREATER THAN 300 HP]

(5) [N/A - THE STATIONARY RICEs ARE EACH NON-2SLB STATIONARY RICEs]

(6) [N/A - THE STATIONARY RICEs DO NOT FIRE ANY LANDFILL GAS OR DIGESTER GAS]

(7) [N/A - THE STATIONARY RICEs ARE EACH NON-4SLB STATIONARY RICEs AND EACH HAVE A SITE RATING GREATER THAN 500 HP]

(8) [N/A - THE STATIONARY RICEs ARE EACH NON-4SRB STATIONARY RICEs AND EACH HAVE A SITE RATING GREATER THAN 500 HP]

(9) [N/A - THE STATIONARY RICEs ARE EACH NON-4SLB STATIONARY RICEs AND EACH OPERATE GREATER THAN 24 HOURS PER CALENDAR YEAR]

(10) [N/A - THE STATIONARY RICEs ARE EACH NON-4SRB STATIONARY RICEs AND EACH OPERATE GREATER THAN 24 HOURS PER CALENDAR YEAR]

(f) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A NON-EMERGENCY STATIONARY RICE]

(g) If you own or operate an existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, you must comply with either 40 CFR §63.6625(g)(1) or (2), below. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. Existing CI engines located at area sources in areas of Alaska that meet either 40 CFR §63.6603(b)(1) or (2) do not have to meet the requirements of 40 CFR §63.6625(g). Existing CI engines located on offshore vessels that meet 40 CFR §63.6603(c) do not have to meet the requirements of 40 CFR §63.6625(g).

(1) [N/A - THE STATIONARY RICEs ARE EACH ALREADY EQUIPPED WITH A CLOSED CRANKCASE VENTILATION SYSTEM]

(2) [N/A - THE STATIONARY RICEs ARE EACH EQUIPPED WITH A CLOSED CRANKCASE VENTILATION SYSTEM]

(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 40 CFR Part 63, Subpart ZZZZ, apply. [THE STATIONARY RICEs ARE SUBJECT TO TABLE 2d TO 40 CFR PART 63, SUBPART ZZZZ]

(i) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO THE WORK, OPERATION OR MANAGEMENT PRACTICES IN ITEMS 1 OR 2 OF TABLE 2c TO 40 CFR PART 63, SUBPART ZZZZ, OR IN ITEMS 1 OR 4 OF TABLE 2d TO 40 CFR PART 63, SUBPART ZZZZ]

(j) [N/A - THE STATIONARY RICEs ARE COMPRESSION IGNITION RICEs]

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

 Table 5 to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Initial Compliance With Emission Limitations, Operating Limitations, and Other Requirements)

As stated in 40 CFR §§63.6612, 63.6625 and 63.6630, you must initially comply with the emission and operating limitations as required by the following [NOTE: INITIAL COMPLIANCE WAS DEMONSTRATED VIA PERFORMANCE TESTS CONDUCTED ON 5/06/14 (SOURCE IDs 105 AND 106) AND 11/13/14 (SOURCE ID 107)]:

For each existing non-emergency stationary CI RICE > 500 HP located at an area source of HAP complying with the requirement to reduce CO emissions and using an oxidation catalyst, and using a CPMS, you have demonstrated initial compliance if:

(1)(a)(i) The average reduction of emissions of CO determined from the initial performance test achieves the required CO percent reduction; and

(1)(a)(ii) You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in 40 CFR §63.6625(b); and

(1)(a)(iii) You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.

OR

For each existing non-emergency stationary CI RICE > 500 HP located at an area source of HAP complying with the requirement to limit the concentration of CO, using an oxidation catalyst, and using a CPMS, you have demonstrated initial compliance if:

(2)(a)(i) The average CO concentration determined from the initial performance test is less than or equal to the CO emission limitation; and

(2)(a)(ii) You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in 40 CFR §63.6625(b); and

(2)(a)(iii) You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.

[78 FR 6712, Jan. 30, 2013]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]

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

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) If you must comply with emission and operating limitations, you must monitor and collect data according to 40 CFR §63.6635(b) and (c), below.

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

(c) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or quality control activities in data averages and calculations used to report emission or operating levels. You must, however,

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use all the valid data collected during all other periods.

[69 FR 33506, June 15, 2004, as amended at 76 FR 12867, Mar. 9, 2011]

IV. RECORDKEEPING REQUIREMENTS.**# 008 [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?**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) If you must comply with the emission and operating limitations, you must keep the records described in 40 CFR §63.6655(a)(1) through (a)(5), (b)(1) through (b)(3) and (c), below.

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

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

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

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

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

(b) For each CEMS or CPMS, you must keep the records listed in 40 CFR §63.6655(b)(1) through (3), below.

(1) Records described in 40 CFR §63.10(b)(2)(vi) through (xi).

(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR §63.8(d)(3).

(3) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in 40 CFR §63.8(f)(6)(i), if applicable.

(c) [N/A - THE STATIONARY RICES ARE EXISTING STATIONARY RICES AND DO NOT FIRE ANY LANDFILL GAS OR DIGESTER GAS]

(d) You must keep the records required in Table 6 of 40 CFR Part 63, Subpart ZZZZ, to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device according to your own maintenance plan if you own or operate any of the following stationary RICE:

(1) [N/A - THE STATIONARY RICES EACH HAVE A SITE RATING GREATER THAN OR EQUAL TO 100 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) [N/A - THE STATIONARY RICES ARE EACH DEFINED AS A NON-EMERGENCY STATIONARY RICE]

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to 40 CFR Part 63, Subpart ZZZZ. [NOTE: THE APPLICABLE TABLE 2d REQUIREMENTS ARE DESCRIBED IN CONDITION #001, ABOVE]

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(f) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS A NON-EMERGENCY STATIONARY RICE]

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

009 [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?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

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

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

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

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

V. REPORTING REQUIREMENTS.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]

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

What notifications must I submit and when?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING GREATER THAN 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) An existing stationary RICE located at an area source of HAP emissions. [NOTE: BOROUGH OF CHAMBERSBURG SUBMITTED THE INITIAL NOTIFICATION PURSUANT TO 40 CFR §63.9(b)(2) TO U.S. EPA AND THE DEPARTMENT VIA 8/31/10 FAX; FAX RECEIVED BY THE DEPARTMENT ON 9/01/10]

(3) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(4) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING NON-4SLB STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(5) [N/A - THE STATIONARY RICEs ARE EACH A NON-EMERGENCY STATIONARY RICE HAVING A SITE RATING GREATER THAN OR EQUAL TO 100 BRAKE HP THAT IS SUBJECT TO A NUMERICAL EMISSION STANDARD]

(b) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(c) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(d) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING GREATER THAN 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(e) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE HAVING A SITE RATING GREATER THAN OR EQUAL TO 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

**SECTION E. Source Group Restrictions.**

(f) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO 40 CFR §63.6590(b), NOT EXCLUSIVELY EMERGENCY STATIONARY RICE, NOT LOCATED AT MAJOR SOURCE OF HAP]

(g) If you are required to conduct a performance test, you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in § 63.7(b)(1).

(h) If you are required to conduct a performance test or other initial compliance demonstration as specified in Tables 4 and 5 to this subpart, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). [NOTE: THE APPLICABLE TABLES 4 AND 5 REQUIREMENTS ARE DESCRIBED IN CONDITIONS #001 AND #006, RESPECTIVELY, ABOVE]

(1) [N/A - THE INITIAL COMPLIANCE DEMONSTRATION REQUIRED IN TABLE 5 INCLUDED A PERFORMANCE TEST]

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

(i) [N/A - THE STATIONARY RICEs ARE NOT SUBJECT TO 40 CFR §63.6603(d)]

[73 FR 3606, Jan. 18, 2008, as amended at 75 FR 9677, Mar. 3, 2010; 75 FR 51591, Aug. 20, 2010; 78 FR 6705, Jan. 30, 2013; 85 FR 73912, Nov.19,2020]

011 [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?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) You must submit each report in Table 7 of 40 CFR Part 63, Subpart ZZZZ, that applies to you. [NOTE: THE APPLICABLE TABLES 7 REQUIREMENTS ARE DESCRIBED BELOW]

(b) Unless the Administrator has approved a different schedule for submission of reports under 40 CFR §63.10(a), you must submit each report by the date in Table 7 to 40 CFR Part 63, Subpart ZZZZ, and according to the requirements in 40 CFR §63.6650(b)(1) through (b)(9), below.

(1) For semiannual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in 40 CFR §63.6595 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in 40 CFR §63.6595. [NOTE: THE FIRST SEMIANNUAL COMPLIANCE REPORT COVERING THE PERIOD OF 1/01/14 - 6/30/14 WAS SUBMITTED VIA LETTER DATED 1/30/15 AND WAS RECEIVED BY THE DEPARTMENT ON 2/02/15; THE REPORT WAS SUBSEQUENTLY UPDATED VIA 2/09/15 E-MAIL TO THE DEPARTMENT]

(2) For semiannual Compliance reports, the first Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for your affected source in 40 CFR §63.6595. [NOTE: THE FIRST SEMIANNUAL COMPLIANCE REPORT COVERING THE PERIOD OF 1/01/14 - 6/30/14 WAS SUBMITTED VIA LETTER DATED 1/30/15 AND WAS RECEIVED BY THE DEPARTMENT ON 2/02/15; THE REPORT WAS SUBSEQUENTLY UPDATED VIA 2/09/15 E-MAIL TO THE DEPARTMENT]

(3) For semiannual Compliance reports, each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) [N/A - THE FACILITY DOES NOT CURRENTLY POSSESS A TITLE V OPERATING PERMIT]

**SECTION E. Source Group Restrictions.**

(6) [N/A - THE FACILITY IS NOT REQUIRED TO SUBMIT ANNUAL COMPLIANCE REPORTS]

(7) [N/A - THE FACILITY IS NOT REQUIRED TO SUBMIT ANNUAL COMPLIANCE REPORTS]

(8) [N/A - THE FACILITY IS NOT REQUIRED TO SUBMIT ANNUAL COMPLIANCE REPORTS]

(9) [N/A - THE FACILITY IS NOT REQUIRED TO SUBMIT ANNUAL COMPLIANCE REPORTS]

(c) The Compliance report must contain the information in 40 CFR §63.6650(c)(1) through (6), below.

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 CFR §63.6605(b), including actions taken to correct a malfunction.

(5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

(6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR §63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in 40 CFR Part 63, Subpart ZZZZ, the Compliance report must contain the information in 40 CFR §63.6650(c)(1) through (4), above, and the information in 40 CFR §63.6650(d)(1) and (2), below.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) For each deviation from an emission or operating limitation occurring for a stationary RICE where you are using a CMS to comply with the emission and operating limitations in 40 CFR Part 63, Subpart ZZZZ, you must include information in 40 CFR §63.6650(c)(1) through (4), above, and (e)(1) through (12), below.

(1) The date and time that each malfunction started and stopped.

(2) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.

(3) The date, time, and duration that each CMS was out-of-control, including the information in 40 CFR §63.8(c)(8).

(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.

(5) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.

(6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control

**SECTION E. Source Group Restrictions.**

equipment problems, process problems, other known causes, and other unknown causes.

(7) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.

(8) An identification of each parameter and pollutant (CO) that was monitored at the stationary RICE.

(9) A brief description of the stationary RICE.

(10) A brief description of the CMS.

(11) The date of the latest CMS certification or audit.

(12) A description of any changes in CMS, processes, or controls since the last reporting period.

(f) [N/A - THE FACILITY DOES NOT CURRENTLY POSSESS A TITLE V OPERATING PERMIT]

(g) [N/A - THE STATIONARY RICES ARE EXISTING STATIONARY RICES AND DO NOT FIRE ANY LANDFILL GAS OR DIGESTER GAS]

(h) [N/A - THE STATIONARY RICES ARE EACH DEFINED AS A NON-EMERGENCY STATIONARY RICE]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013]

Table 7 to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Requirements for Reports)

As stated in 40 CFR §63.6650, you must comply with the following requirements for reports:

For each existing non-emergency, non-black start stationary CI RICE > 300 HP located at an area source of HAP, you must submit a compliance report, the report must contain:

(1)(a)(i) If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. If there were no periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 40 CFR §63.8(c)(7), a statement that there were not periods during which the CMS was out-of-control during the reporting period. You must submit the report semiannually according to the requirements in § 63.6650(b)(1)-(5) for engines that are not limited use stationary RICE subject to numerical emission limitations; or

(1)(b)(i) If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in 40 CFR §63.6650(d). If there were periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 40 CFR §63.8(c)(7), the information in 40 CFR §63.6650(e). You must submit the report semiannually according to the requirements in 40 CFR §63.6650(b); or

(1)(c)(i) If you had a malfunction during the reporting period, the information in 40 CFR §63.6650(c)(4). You must submit the report semiannually according to the requirements in 40 CFR §63.6650(b).

[78 FR 6719, Jan. 30, 2013]

VI. WORK PRACTICE REQUIREMENTS.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

**SECTION E. Source Group Restrictions.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR Part 63, Subpart ZZZZ, that apply to you at all times.

(b) At all times 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 40 CFR Part 63, Subpart ZZZZ, 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]

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

In the event that 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT Subpart ZZZZ) is revised, the permittee shall comply with the revised version of MACT Subpart ZZZZ, and shall not be required to comply with any provisions in this plan approval designated as having MACT Subpart ZZZZ as their authority, to the extent that such plan approval provisions would be inconsistent with the applicable provisions of the revised MACT Subpart ZZZZ.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1]**Subpart A--General Provisions****Applicability.**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

The Group 002 engines are subject to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, record keeping, and reporting requirements contained at 40 CFR §§63.6580 through 63.6675, including all applicable portions of 40 CFR Part 63, Subpart A - General Provisions. The permittee shall comply with 40 CFR §63.13(a), which requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

Regional Air Program Manager
PA Department of Environmental Protection
909 Elmerton Avenue
Harrisburg, PA 17110-8200

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

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

**SECTION E. Source Group Restrictions.**

40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT Subpart ZZZZ) establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. MACT Subpart ZZZZ also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

[73 FR 3603, Jan. 18, 2008]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

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

Am I subject to this subpart?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

You are subject to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT Subpart ZZZZ) if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

- (a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR §1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition.
- (b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.
- (c) An area source of HAP emissions is a source that is not a major source. [NOTE: CHAMBERSBURG BOROUGH'S FALLING SPRING GENERATING STATION IS AN AREA SOURCE OF HAP EMISSIONS]
- (d) If you are an owner or operator of an area source subject to MACT Subpart ZZZZ, your status as an entity subject to a standard or other requirements under MACT Subpart ZZZZ does not subject you to the obligation to obtain a permit under 40 CFR Part 70 or 71, provided you are not required to obtain a permit under 40 CFR §70.3(a) or 40 CFR §71.3(a) for a reason other than your status as an area source under MACT Subpart ZZZZ. Notwithstanding the previous sentence, you must continue to comply with the provisions of MACT Subpart ZZZZ as applicable.
- (e) If you are an owner or operator of a stationary RICE used for national security purposes, you may be eligible to request an exemption from the requirements of MACT Subpart ZZZZ as described in 40 CFR Part 1068, Subpart C.
- (f) [N/A - THE ENGINES ARE NOT EMERGENCY STATIONARY RICEs]

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

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (MACT Subpart ZZZZ) applies to each affected source.

- (a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.
 - (1) Existing stationary RICE.
 - (i) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

**SECTION E. Source Group Restrictions.**

(ii) [N/A - THE STATIONARY RICEs EACH HAVE A SITE RATING OF GREATER THAN 500 BRAKE HP AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE]

(3) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE]

(b) Stationary RICE subject to limited requirements.

(1) An affected source which meets either of the criteria in 40 CFR §63.6590(b)(1)(i) through (ii), below, does not have to meet the requirements MACT Subpart ZZZZ and of 40 CFR Part 63, Subpart A (General Provisions) except for the initial notification requirements of 40 CFR §63.6645(f).

(i) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH ARE NOT AN EMERGENCY STATIONARY RICE; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(ii) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH ARE NOT A LIMITED USE STATIONARY RICE; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; DOES NOT COMBUST ANY LANDFILL OR DIGESTER GAS; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(3) The following stationary RICE do not have to meet the requirements of MACT Subpart ZZZZ and of 40 CFR Part 63, Subpart A (General Provisions), including initial notification requirements:

(i) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(ii) [N/A - THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(iii) [N/A - THE STATIONARY RICEs ARE EACH NOT AN EMERGENCY STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(iv) [N/A - THE STATIONARY RICEs ARE EACH NOT A LIMITED USE STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(v) [N/A - THE STATIONARY RICEs EACH DO NOT COMBUST ANY LANDFILL OR DIGESTER GAS AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(c) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND ARE NOT SUBJECT TO EITHER 40 CFR PART 60, SUBPART IIII, OR 40 CFR PART 60, SUBPART JJJJ]

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

018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) Affected sources.

**SECTION E. Source Group Restrictions.**

(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI 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 stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013. [NOTE: BOROUGH OF CHAMBERSBURG RECEIVED A COMPLIANCE DATE EXTENSION OF 12/31/13 FROM U.S. EPA VIA A LETTER DATED 3/28/13]

(2) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(3) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(4) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH HAVE A SITE RATING OF GREATER THAN 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(5) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE; EACH HAVE A SITE RATING OF GREATER THAN 500 BRAKE HP; AND THE FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

(6) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE]

(7) [N/A - THE STATIONARY RICEs ARE EACH DEFINED AS AN EXISTING STATIONARY RICE]

(b) Area sources that become major sources. If you have an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, the compliance dates in 40 CFR §63.6595(b)(1) and (2), below, apply to you.

(1) Any stationary RICE for which construction or reconstruction is commenced after the date when your area source becomes a major source of HAP must be in compliance with 40 CFR Part 63, Subpart ZZZZ, upon startup of your affected source.

(2) Any stationary RICE for which construction or reconstruction is commenced before your area source becomes a major source of HAP must be in compliance with the provisions of 40 CFR Part 63, Subpart ZZZZ, that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

(c) If you own or operate an affected source, you must meet the applicable notification requirements in 40 CFR §63.6645 and in 40 CFR Part 63, Subpart A (General Provisions).

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

019 [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?

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to 40 CFR Part 63, Subpart ZZZZ, that apply to you according to methods specified in Table 6 to 40 CFR Part 63, Subpart ZZZZ. [NOTE: THE APPLICABLE TABLES 2b AND 2d REQUIREMENTS ARE DESCRIBED IN CONDITION #001, ABOVE; THE APPLICABLE TABLE 6 REQUIREMENTS

**SECTION E. Source Group Restrictions.**

ARE DESCRIBED BELOW]

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to 40 CFR Part 63, Subpart ZZZZ, that apply to you. These instances are deviations from the emission and operating limitations in 40 CFR Part 63, Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR §63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE. [NOTE: THE APPLICABLE TABLES 2b AND 2d REQUIREMENTS ARE DESCRIBED IN CONDITION #001, ABOVE]

(c) [N/A - THE STATIONARY RICEs ARE EACH A NON-4SLB/4SRB STATIONARY RICE]

(d) For new, reconstructed, and rebuilt stationary RICE, deviations from the emission or operating limitations that occur during the first 200 hours of operation from engine startup (engine burn-in period) are not violations. Rebuilt stationary RICE means a stationary RICE that has been rebuilt as that term is defined in 40 CFR §94.11(a).

(e) You must also report each instance in which you did not meet the requirements in Table 8 to 40 CFR Part 63, Subpart ZZZZ, that apply to you.

(f) [N/A - THE STATIONARY RICEs ARE NON-EMERGENCY STATIONARY RICEs]

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

Table 6 to 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Continuous Compliance With Emission Limitations, and Other Requirements)

As stated in 40 CFR §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each existing stationary CI RICE > 500 HP that are not limited use stationary RICE complying with the requirement to reduce CO emissions, or limit the concentration of CO in the stationary RICE exhaust, and using an oxidation catalyst, you must demonstrate continuous compliance by:

(10)(a)(i) Conducting performance tests every 8,760 hours or 3 years, whichever comes first, for CO to demonstrate that the required CO percent reduction is achieved or that your emissions remain at or below the CO concentration limit; and

(10)(a)(ii) Collecting the catalyst inlet temperature data according to 40 CFR §63.6625(b); and

(10)(a)(iii) Reducing these data to 4-hour rolling averages; and

(10)(a)(iv) Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and

(10)(a)(v) Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the performance test. [NOTE: THE PRESSURE DROPS ACROSS THE OXIDATION CATALYSTS MEASURED DURING THE COMPLIANT INITIAL PERFORMANCE TESTS CONDUCTED ON 5/06/14 (SOURCE IDs 105 AND 106) AND 11/13/14 (SOURCE ID 107) ARE THE FOLLOWING: SOURCE ID 105 = 1.0 in. water; SOURCE ID 106 = 2.0 in. water; SOURCE ID 107 = 2.2 in. water]

[78 FR 6715, Jan. 30, 2013]

020 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

**SECTION E. Source Group Restrictions.****What parts of the General Provisions apply to me?**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

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

[75 FR 9678, Mar. 3, 2010]

021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What definitions apply to this subpart?**

[Additional authority for this permit condition is also derived from Plan Approval No. 28-05009B]

Terms used in 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, as well as Section E, Group 002, are defined in the Clean Air Act; in 40 CFR §63.2 (General Provisions); and in 40 CFR §63.6675.

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

**SECTION E. Source Group Restrictions.**

Group Name: 003

Group Description: SOURCES PREVIOUSLY THE SUBJECT OF RACT O.P. NO. 28-2009

Sources included in this group

ID	Name
105	ENGINE (FAIRBANKS MORSE)
106	ENGINE (FAIRBANKS MORSE)

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 28-2009]

(a) The permittee shall keep the following records for each Group 003 engine:

- (1) Daily and monthly electrical output fed to the grid (may be grouped together for both engines);
- (2) Monthly operating hours; and
- (3) Daily, monthly and annual fuel (natural gas and diesel/No. 2 fuel oil) usage. The monthly and annual records of fuel usage may be grouped together for both engines.

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

002 [25 Pa. Code §129.91]**Control of major sources of NOx and VOCs**

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 28-2009]

(a) The permittee shall maintain detailed records of all maintenance and repairs performed on each Group 003 engine.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.91]****Control of major sources of NOx and VOCs**

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 28-2009]

Each Group 003 engine shall be:

**SECTION E. Source Group Restrictions.**

- (a) Operated in such a manner as to not cause air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§4001 - 4015) and 25 Pa. Code §121.1;
- (b) Operated and maintained in a manner consistent with good operating and maintenance practices; and
- (c) Operated and maintained in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

#001. NOTE: The capacities/throughputs listed in Section A are for informational use only and should not be used as enforceable limitations.

#002. The following sources of minor significance have been exempted from testing, monitoring, recordkeeping, and reporting requirements:

(a) East Tank: No. 2 Oil @ capacity = 29,600 gallons; and

(b) West Tank: No. 2 Oil @ capacity = 29,600 gallons.

#003. The following serves as a description of the Source IDs:

Source IDs 105 and 106 were previously the subject of RACT Operating Permit No. 28-2009.

Source IDs 105, 106 and 107 were previously the subject of Plan Approval No. 28-05009B.

#004. This operating permit is renewal of the SMOP issued on 5/25/16 and supersedes that permit.



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