



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: September 25, 2023 Effective Date: November 1, 2023
Expiration Date: October 31, 2028

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: 06-03095

Natural Minor

Federal Tax Id - Plant Code: 20-2369432-1

Owner Information

Name: DIRECT LTX
Mailing Address: 2561 BERNVILLE RD
READING, PA 19605-9611

Plant Information

Plant: DIRECT LTX/BERN TWP FAC
Location: 06 Berks County 06920 Bern Township
SIC Code: 7374 Services - Data Processing Services

Responsible Official

Name: TODD TAYLOR
Title: CEO
Phone: (610) 898 - 6109 Email: ttaylor@directlinktechnology.com

Permit Contact Person

Name: TODD TAYLOR
Title: CEO
Phone: (610) 898 - 6109 Email: ttaylor@directlinktechnology.com

[Signature]
WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



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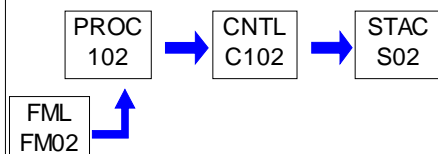
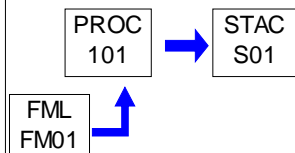
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	THREE EMERGENCY GENERATORS	113.600 Gal/HR	NO. 2 FUEL OIL
102	THREE EMERGENCY GENERATORS (2000 KW EA)	147.500 Gal/HR	Diesel Fuel
C102	OXIDATION CATALYSTS		
FM01	NO. 2 FUEL OIL TANK		
FM02	12,000 GAL DIESEL TANK		
S01	THREE STACKS: EMERGENCY GENERATORS		
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**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:

**SECTION B. General State Only Requirements**

- (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**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving, and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Sources and classes of sources other than those identified in (a)-(e), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) The emissions are of minor significance with respect to causing air pollution; and

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

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, 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:

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

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

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

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) The emission results from sources specified in Section C, Condition #001 subsections (a)(1)-(a)(6).

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §129.14]****Open burning operations**

(a) The permittee shall not allow the open burning of material on the permittee's property except 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 in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (5) A fire set solely for recreational or ceremonial purposes.
- (6) A fire set solely for cooking food.

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

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and certified, to measure plume opacity with the naked eye, as per EPA Method 9, or with the aid of any devices approved by the Department.

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 permit to measure emissions for purposes including verification of permit condition compliance and estimation of annual air emissions.

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

(a) Unless otherwise approved in writing by DEP, the permittee shall do the following:

- (1) Conduct any performance testing in accordance with the provisions of 25 Pa Code Section 139 and the Department's Source Testing Manual and any applicable federal regulations.
- (2) Submit to DEP a test protocol for review and approval at least 90 calendar days prior to commencing an emissions testing program, and not conduct the test that is the subject of the protocol until the protocol has been approved by DEP.
- (3) If DEP finds deficiencies in the protocol, the permittee shall provide a response to DEP addressing the deficiencies within 30 days of being notified of the deficiencies.
- (4) Complete the performance test within 90 days of DEP's approval of the test protocol, or by the due date specified elsewhere in the TV permit, whichever is later.

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

**SECTION C. Site Level Requirements**

acceptance letter from the Department.

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

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) 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 emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

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

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

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

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

(h) Pursuant to 25 Pa. Code Section 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/ecomm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, submittal shall be made as follows:

Regional Office:

Digital copy (only): RA-epscstacktesting@pa.gov

Bureau of Air Quality:

Digital copy (only): RA-epstacktesting@pa.gov

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

010 [25 Pa. Code §139.1]

Sampling facilities.

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

III. MONITORING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct a quarterly inspection around the plant periphery during daylight hours when the plant is in production and the sources are operating to detect visible emissions, fugitive emissions, and odorous air contaminants. Quarterly inspections are necessary to determine:

**SECTION C. Site Level Requirements**

(a) The presence of visible emissions during the operation of the sources. Visible emissions may be measured according to the methods specified in Section C, Condition #007. 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 emissions beyond the plant property boundaries, as stated in Section C, Condition #002.

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

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

The permittee shall maintain records of the quarterly inspections referenced in Section C, Condition #010. The records shall include, at a minimum, the following information:

- (1) The name of the company representative doing the observation.
- (2) A description of the emissions and/or malodors observed and the actions taken to mitigate them.
- (3) The date and time of the monitoring.
- (4) The wind direction.

These records shall be maintained at the facility for the most recent five (5) year period and be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.442]****Reporting requirements.**

The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that affects the facility's ability to comply with a permit term. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the 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 Reading District Office at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline at any time. 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) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirement of subsection (a) above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [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)(1)-(a)(6). These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

**SECTION C. Site Level Requirements**

(3) Paving and maintenance of roadways.

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

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

25 Pa. Code Chapter 130, Subchapter D. ADHESIVES, SEALANTS, PRIMERS AND SOLVENTS

§ 130.701. Applicability.

(a) Except as provided in § 130.703 (relating to exemptions and exceptions), this subchapter applies to a person who, on or after January 1, 2012, sells, supplies, offers for sale or manufactures for sale for use or application in this Commonwealth one or more of the following products subject to this subchapter:

- (1) An adhesive, sealant, adhesive primer or sealant primer product.
- (2) An adhesive or sealant product applied to particular substrates.
- (3) A surface preparation solvent or cleanup solvent product.

(b) Except as provided in § 130.703, this subchapter applies to a person who, on or after January 1, 2012, uses or applies for compensation within this Commonwealth one or more of the following products subject to this subchapter:

- (1) An adhesive, sealant, adhesive primer or sealant primer product.
- (2) An adhesive or sealant product applied to particular substrates.
- (3) A surface preparation solvent or cleanup solvent product.

§ 130.702. Emission standards.

(a) [NA – APPLIES TO COATING MANUFACTURERS]

(b) Except as provided in § 130.703, a person may not use or apply for compensation within this Commonwealth one or more of the following products:

(1) An adhesive, sealant, adhesive primer or sealant primer product manufactured on or after January 1, 2012, which contains VOCs in excess of the applicable VOC content limit specified in Table I.

[TABLE I LIMITS INCORPORATED BY REFERENCE]

(2) An adhesive or sealant product manufactured on or after January 1, 2012, applied to a substrate listed in Table II if the product contains VOCs in excess of the applicable VOC content limit specified in Table II.

[TABLE II LIMITS INCORPORATED BY REFERENCE]

(c) On and after January 1, 2012, the VOC content limits in Table II for adhesives or sealants applied to particular substrates apply as follows:

(1) If a person uses or applies an adhesive or sealant subject to a specific VOC content limit in Table I, the specific limit is applicable rather than the adhesive-to-substrate limit in Table II.

(2) If a person uses or applies an adhesive to bond dissimilar substrates together, the applicable substrate category

**SECTION C. Site Level Requirements**

with the highest VOC content is the limit for this use.

(d) On and after January 1, 2012, a person subject to this subchapter using or applying a surface preparation solvent or cleanup solvent may not:

(1) Except as provided in paragraph (2) for single-ply roof membrane, use materials containing VOCs for surface preparation, unless the VOC content of the surface preparation solvent is less than 70 grams per liter of material or 0.6 pound of VOC per gallon of material.

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

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

(e) On and after January 1, 2012, the removal of an adhesive, sealant, adhesive primer or sealant primer from the parts of spray application equipment shall be performed by one or more of the following methods:

(1) Using an enclosed cleaning system or equivalent cleaning system, as determined by the test method identified in § 130.705(h) (relating to compliance procedures and test methods).

(2) Using a solvent with a VOC content less than or equal to 70 grams of VOC per liter of material or 0.6 pound of VOC per gallon of material.

(3) Soaking parts containing dried adhesive in a solvent if the composite partial vapor pressure of the solvent, excluding water and exempt compounds, is less than or equal to 9.5 mm mercury at 20° C and the parts and solvent are in a closed container that remains closed except when adding parts to or removing parts from the container.

(f) On and after January 1, 2012, a person who uses or applies adhesives, sealants, adhesive primers, sealant primers, surface preparation solvents or cleanup solvents subject to this subchapter shall store or dispose of all absorbent materials, including cloth or paper, which are moistened with adhesives, sealants, primers or solvents subject to this subchapter, in nonabsorbent containers at the facility or location of use that are kept closed except when placing materials in or removing materials from the container.

(g) A person may not solicit, require or specify the use or application of an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent if the use or application would result in a violation of this subchapter. The prohibition of this subsection applies to all written or oral contracts created on or after January 1, 2012, under which an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent subject to this subchapter is to be used or applied at a location in this Commonwealth.

(h) On and after January 1, 2012, a person who, for compensation, uses or applies an adhesive, sealant, adhesive primer or sealant primer in this Commonwealth may not add solvent to the adhesive, sealant, adhesive primer or sealant primer in an amount in excess of the manufacturer's recommendation for application, if this addition causes the adhesive, sealant, adhesive primer or sealant primer to exceed the applicable VOC content limit listed in Table I or II.

§ 130.703. Exemptions and exceptions.

(a) This subchapter does not apply to the use, application, sale, supply, offer for sale or manufacture for sale for use in this Commonwealth of the following compounds or products:

(1) Adhesives, sealants, adhesive primers or sealant primers being tested or evaluated in a research and development, quality assurance or analytical laboratory, if records are maintained as required under § 130.704 (relating to recordkeeping requirements).

**SECTION C. Site Level Requirements**

(2) Adhesives, sealants, adhesive primers or sealant primers that are subject to other sections in this chapter or Chapter 129 (relating to standards for sources).

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

(4) Cyanoacrylate adhesives.

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

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

(b) This subchapter does not apply to the use, application, sale, supply, offer for sale or manufacture for sale for use in this Commonwealth of adhesives, sealants, adhesive primers, sealant primers, surface preparation solvents or cleanup solvents in the following operations:

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

(2) The assembly, repair and manufacture of aerospace components or undersea-based weapons systems.

(3) The manufacture of medical equipment.

(4) Plaque laminating operations in which adhesives are used to bond clear, polyester acetate laminate to wood with lamination equipment installed prior to July 1, 1992. A person claiming an exemption under this paragraph shall record and maintain operational records sufficient to demonstrate compliance with this exemption, in accordance with § 130.704.

(c) This subchapter does not apply to an adhesive, sealant, adhesive primer or sealant primer product if the manufacturer or distributor of the product makes and keeps records demonstrating both of the following:

(1) The adhesive, sealant, adhesive primer or sealant primer product is intended for shipment and use outside of this Commonwealth.

(2) The manufacturer or distributor has taken reasonably prudent precautions to assure that the adhesive, sealant, adhesive primer or sealant primer product is not distributed to or within this Commonwealth.

(d) The exemption in subsection (c) does not apply to an adhesive, sealant, adhesive primer or sealant primer product that is sold, supplied or offered for sale to a retail outlet in this Commonwealth.

(e) This subchapter does not apply to an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent product that is sold or supplied for use or application as part of a manufacturing process at a facility subject to the requirements of § 129.77 (relating to control of emissions from the use or application of adhesives, sealants, primers and solvents).

(f) This subchapter does not apply to an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent used or applied in either of the following situations:

(1) At a private residence for a noncommercial purpose.

(2) By a person who is not seeking compensation.

§ 130.704. Recordkeeping requirements.

(a) [NA – APPLIES TO COATING MANUFACTURERS]

**SECTION C. Site Level Requirements**

(b) On and after January 1, 2012, a person who uses or applies an adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent or cleanup solvent product subject to this subchapter shall maintain records demonstrating compliance with this subchapter, including the following information:

- (1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.
- (2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under paragraph (1).
- (3) The VOC content of each product on the list required under paragraph (1), as supplied.
- (4) Catalysts, reducers or other components used and the mix ratio.
- (5) The VOC content or vapor pressure of each product on the list required under paragraph (1), as applied, if solvent or other VOC is added to the product before application.
- (6) The monthly volume used of each product on the list required under paragraph (1).

(c) For an adhesive, sealant, adhesive primer and sealant primer product subject to the laboratory testing exemption of § 130.703(a)(1) (relating to exemptions and exceptions), on and after January 1, 2012, the person conducting the testing shall make and maintain records of all materials used, including the following information:

- (1) The product name.
 - (2) The product category of the material or type of application.
 - (3) The VOC content of the material.
- (d) Records made to determine compliance with this subchapter shall be:
- (1) Maintained for 5 years from the date the record is created.
 - (2) Made available to the Department upon receipt of a written request.

§ 130.705. Compliance procedures and test methods.

(a) Except as otherwise provided in this section, the VOC and solids content of nonaerosol adhesives (including one-part moisture cure urethane adhesives and silicone adhesives), sealants, adhesive primers, sealant primers, surface preparation solvents and cleanup solvents shall be determined using one of the following: [INCORPORATED BY REFERENCE]

§ 130.706. Container labeling. [NA – APPLIES TO COATING MANUFACTURERS]

§ 130.707. Product dating. [NA – APPLIES TO COATING MANUFACTURERS]

§ 130.708. Sell-through of products. [NA – SELL-THRU PERIOD IS PAST]

016 [25 Pa. Code §130.601]

Applicability.

25 Pa. Code Chapter 130, Subchapter C, ARCHITECTURAL AND INDUSTRIAL MAINTENANCE COATINGS

§ 130.601. Applicability.

This subchapter applies to a person who supplies, sells, offers for sale, manufactures, blends or repackages an architectural or industrial maintenance coating for use within this Commonwealth, as well as a person who applies or

**SECTION C. Site Level Requirements**

solicits the application of an architectural or industrial maintenance coating within this Commonwealth except for:

- (1) An architectural or industrial maintenance coating that is sold or manufactured for use outside of this Commonwealth or for shipment to other manufacturers for reformulation or repackaging.
- (2) An aerosol coating product.
- (3) An architectural or industrial maintenance coating that is sold in a container with a volume of 1 liter (1.057 quart) or less.

§ 130.602. Definitions. [INCORPORATED BY REFERENCE]

§ 130.603. Standards.

(a) VOC content limits. Except as provided in subsections (b), (c) and (g), a person after January 1, 2005, may not:

- (1) Manufacture, blend or repackage for sale within this Commonwealth a coating subject to this subchapter with a VOC content in excess of the corresponding limit specified in Table 1.
- (2) Supply, sell or offer for sale within this Commonwealth a coating subject to this subchapter with a VOC content in excess of the corresponding limit specified in Table 1.
- (3) Solicit for application or apply within this Commonwealth, a coating subject to this subchapter with a VOC content in excess of the corresponding limit specified in Table 1.

(b) Most restrictive VOC limit. If on the container of an architectural or industrial maintenance coating, or a label or sticker affixed to the container, or in sales, advertising or technical literature supplied by a manufacturer or a person acting on their behalf, a representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in Table 1, then the most restrictive VOC content limit applies. This provision does not apply to the following coating categories:

- (1) Lacquer coatings (including lacquer sanding sealers).
- (2) Metallic pigmented coatings.
- (3) Shellacs.
- (4) Fire-retardant coatings.
- (5) Pretreatment wash primers.
- (6) Industrial maintenance coatings.
- (7) Low-solids coatings.
- (8) Wood preservatives.
- (9) High-temperature coatings.
- (10) Temperature-indicator safety coatings.
- (11) Antenna coatings.
- (12) Antifouling coatings.
- (13) Flow coatings.

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(14) Bituminous roof primers.

(15) Specialty primers, sealers and undercoaters.

(16) Calcimine recoaters.

(17) Impacted immersion coatings.

(18) Nuclear coatings.

(19) Thermoplastic rubber coatings and mastic.

(c) [NA – SELL-THRU PERIOD IS PAST]

(d) Thinning. A person may not apply or solicit the application of an architectural and industrial maintenance coating that is thinned to exceed the applicable VOC limit specified in Table 1.

(e) Rust-preventive coatings. A person may not apply or solicit the application of a rust-preventive coating for industrial use, unless the rust-preventive coating complies with the industrial maintenance coating VOC limit specified in Table 1.

(f) Coatings not listed in Table 1. For an architectural or industrial maintenance coating that does not meet the definitions for the specialty coatings categories listed in Table 1, the VOC content limit shall be determined by classifying the coating as a flat coating or a nonflat coating, based on its gloss as defined in § 130.602 (relating to definitions), and the corresponding flat or nonflat coating limit applies.

(g) Lacquers. Notwithstanding the provisions of subsection (a), a person or facility may add up to 10% by volume of VOC to a lacquer to avoid blushing of the finish during days with relative humidity greater than 70% and temperature below 65°F, at the time of application, provided that the coating contains acetone and no more than 550 grams of VOC per liter of coating, less water and exempt compounds, prior to the addition of VOC.

[TABLE 1 LIMITS INCORPORATED BY REFERENCE]

§130.604. Container labeling requirements. [NA – APPLIES TO COATING MANUFACTURERS]

§130.605. Reporting requirements. [NA – APPLIES TO COATING MANUFACTURERS]

§130.606. Application for variance. [NA – NO VARIANCES APPLIED FOR]

§130.607. Variance orders. [NA – NO VARIANCES APPLIED FOR]

§130.608. Termination of variance. [NA – NO VARIANCES APPLIED FOR]

§130.609. Extension, modification or revocation of variance. [NA – NO VARIANCES APPLIED FOR]

§130.610. Public hearings. [NA – NO VARIANCES APPLIED FOR]

§ 130.611. Compliance provisions and test methods.

(a) Calculation of VOC content. For the purpose of determining compliance with the VOC content limits in § 130.603 Table 1 (relating to VOC content limits for architectural and industrial maintenance coatings), the VOC content of a coating shall be determined by using the procedures described in this subsection or subsection (b), as appropriate. The VOC content of a tint base shall be determined without colorant that is added after the tint base is manufactured.

(1) With the exception of low solids coatings, determine the VOC content in grams of VOC per liter of coating thinned to the manufacturer's maximum recommendation, excluding the volume of water and exempt compounds. Determine the VOC content using Equation 1 as follows:

**SECTION C. Site Level Requirements**

Equation 1:

$$\text{VOC Content} = (W_s - W_w - W_{ec}) / (V_m - V_w - V_{ec})$$

Where:

VOC Content = grams of VOC per liter of coating

W_s = weight of volatiles, in grams

W_w = weight of water, in grams

W_{ec} = weight of exempt compounds, in grams

V_m = volume of coating, in liters

V_w = volume of water, in liters

V_{ec} = volume of exempt compounds, in liters

(2) For low solids coatings, determine the VOC content in units of grams of VOC per liter of coating thinned to the manufacturer's maximum recommendation, including the volume of any water and exempt compounds. Determine the VOC content using Equation 2 as follows: Equation 2:

$$\text{VOC Content (ls)} = (W_s - W_w - W_{ec}) / (V_m)$$

Where:

VOC Content (ls) = the VOC content of a low solids coating in grams of VOC per liter of coating

W_s = weight of volatiles, in grams

W_w = weight of water, in grams

W_{ec} = weight of exempt compounds, in grams

V_m = volume of coating, in liters

(b) VOC content of coatings. To determine the physical properties of a coating to perform the calculations in subsection (a), the reference method for VOC content is EPA Reference Method 24, except as provided in subsections (c) and (d). An alternative method to determine the VOC content of coatings is SCAQMD Method 304-91, incorporated by reference in this section. The exempt compounds content shall be determined by SCAQMD Method 303-91, incorporated by reference in subsection (e). To determine the VOC content of a coating, the manufacturer may use EPA Reference Method 24, or an alternative method, as provided in subsection (c), formulation data, or another reasonable means for predicting that the coating has been formulated as intended—for example, quality assurance checks and recordkeeping. If there are inconsistencies between the results of a Reference Method 24 test and another means for determining VOC content, the Reference Method 24 results will govern, except when an alternative method is approved as specified in subsection (c). The Department may require the manufacturer to conduct a Reference Method 24 analysis.

(c) Alternative test methods. Other test methods demonstrated to provide results that are acceptable for purposes of determining compliance with subsection (b) may be used if approved in writing by the Department and the EPA.

(d) Methacrylate traffic coating markings. Analysis of methacrylate multicomponent coatings used as traffic marking coatings shall be conducted according to a modification of EPA Reference Method 24 (found at 40 CFR 59, Subpart D, Appendix A), incorporated by reference in subsection (e)(13). This method has not been approved for methacrylate multicomponent coatings used for other purposes than as traffic marking coatings or for other classes of multicomponent coatings.

(e) Test methods. The following test methods are incorporated herein by reference and the most up-to-date version of the test method shall be used to test coatings subject to this subchapter: [INCORPORATED BY REFERENCE]

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.

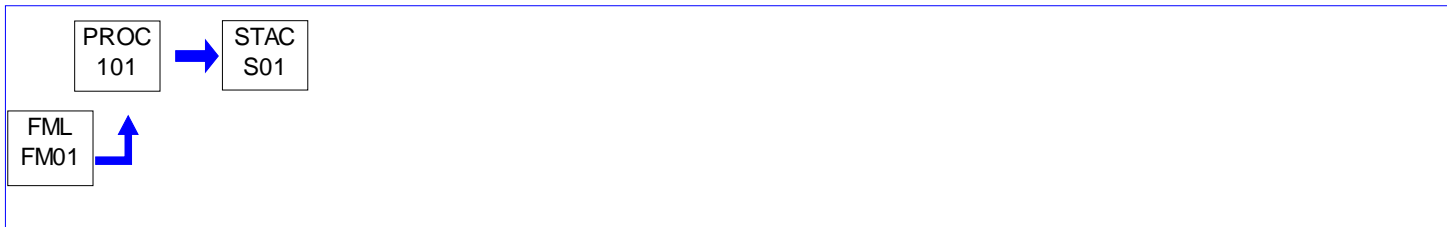
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: THREE EMERGENCY GENERATORS

Source Capacity/Throughput: 113.600 Gal/HR NO. 2 FUEL OIL

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the sulfur content of the diesel fuel fired in the emergency generators to no more than 0.3 percent by weight at any time.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate either of the emergency generators in excess of 500 hours in any consecutive 12-month period.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain an hour meter on each generator.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a permanently bound log book or other method approved by the Department for each emergency generator. This log shall contain the following information:

(a) The date of operation of each unit.

**SECTION D. Source Level Requirements**

(b) The hours of operation of each unit.

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.

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

VII. ADDITIONAL REQUIREMENTS.

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

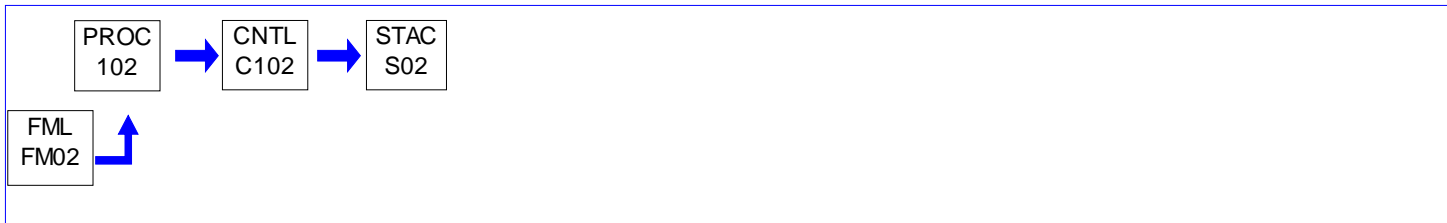
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: THREE EMERGENCY GENERATORS (2000 KW EA)

Source Capacity/Throughput: 147.500 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: GRP01

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

(a) The permittee shall not allow the emission of air pollutants into the outdoor atmosphere from each engine in excess of the following limits:

- (1) Total Hydrocarbon (THC) - 1.0 gm/bhp-hr
- (2) NO_x - 6.9 gm/bhp-hr
- (3) CO - 2.0 gm/bhp-hr
- (4) Particulate Matter (PM) - 0.4 gm/bhp-hr
- (5) Visible emissions:

- (i) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and
- (ii) Equal to or greater than 30% at any time

[Additional authority for this permit condition is derived from GP9-06-03095A]

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

The sulfur content in the diesel fuel shall not, at any time exceed 0.3 percent (by weight).

[Additional authority for this permit condition is derived from GP9-06-03095A]

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

The permittee shall not operate either of the emergency generators in excess of 100 hours in any consecutive 12-month period.

[Additional authority for this permit condition is derived from GP9-06-03095A]

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).

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain comprehensive accurate records, which, at a minimum, shall include:

- (1) The number of hours per calendar year that each engine or piece of equipment operated using a non-resettable hour meter
- (2) The amount of fuel used per calendar year in each engine or piece of equipment.

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

[Additional authority for this permit condition is derived from GP9-06-03095A]

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 E. Source Group Restrictions.**

Group Name: GRP01

Group Description: 40 CFR 63, Subpart ZZZZ Engine(s)

Sources included in this group

ID	Name
102	THREE EMERGENCY GENERATORS (2000 KW EA)

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.

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.

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

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

Individual sources within this source group that are subject to 40 CFR Part 63 Subpart ZZZZ -National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Associate Director
 United States Environmental Protection Agency
 Region III, Enforcement & Compliance Assurance Division
 Air, RCRA and Toxics Branch (3ED21)
 Four Penn Center
 1600 John F. Kennedy Boulevard
 Philadelphia, Pennsylvania 19103-2852

The Department copies shall be forwarded to the DEP SCRO Air Quality Program Manager at wiveaver@pa.gov, unless otherwise directed in writing by DEP.

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions

**SECTION E. Source Group Restrictions.**

of the revised subpart.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

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

63.6585(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.

63.6585(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.

63.6585(c) An area source of HAP emissions is a source that is not a major source.

63.6585(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart 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 this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

63.6585(e) [NA – NOT USED FOR NATIONAL SECURITY PURPOSES]

63.6585(f) [NA – RICE NOT RESIDENTIAL, COMMERCIAL OR INSTITUTIONAL]

[69 FR 33506, June 15, 2004, as amended at 73 FR 3603, Jan. 18, 2008; 78 FR 6700, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

63.6590(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.

63.6590(a)(1) Existing stationary RICE.

63.6590(a)(1)(i) [NA – NOT A MAJOR HAP SOURCE]

63.6590(a)(1)(ii) [NA – NOT A MAJOR HAP SOURCE]

63.6590(a)(1)(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.

63.6590(a)(1)(iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

63.6590(a)(2) [NA - ENGINES ARE EXISTING]

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63.6590(b) [NA - RICE NOT SUBJECT TO LIMITED REQUIREMENTS]

63.6590(c) [NA - ENGINES NOT SUBJECT TO SUBPART III OR 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; 87 FR 48607, Aug. 10, 2022]

004 [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?

63.6595(a) Affected Sources.

63.6595(a)(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.

63.6595(a)(2) - (5) [NA – NOT A MAJOR HAP SOURCE]

63.6595(a)(6) [NA – NOT NEW OR RECONSTRUCTED ENGINES]

63.6595(a)(7) [NA – NOT NEW OR RECONSTRUCTED ENGINES]

63.6595(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 paragraphs (b)(1) and (2) of this section apply to you.

63.6595(b)(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 this subpart upon startup of your affected source.

63.6595(b)(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 this subpart that are applicable to RICE located at major sources within 3 years after your area source becomes a major source of HAP.

63.6595(c) If you own or operate an affected source, you must meet the applicable notification requirements in § 63.6645 and in 40 CFR part 63, subpart A.

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

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6600]

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

What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?

[NA – FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6601]

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

What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site

**SECTION E. Source Group Restrictions.**

rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?

[NA – FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]

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

What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?

[NA – FACILITY IS AN AREA SOURCE OF HAP EMISSIONS]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]

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

What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in § 63.6620 and Table 4 to this subpart.

63.6603(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

TABLE 2d REQUIREMENTS:

ITEM 3: Non-Emergency, non-black start CI stationary RICE >500 HP:

- (a) Limit concentration of CO in the stationary RICE exhaust to 23 ppmvd at 15 percent O₂; or
- (b) Reduce CO emissions by 70 percent or more.

[END OF TABLE 2d REQUIREMENTS]

TABLE 2b REQUIREMENTS:

ITEM 2. 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

(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; and

(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. SEE NOTE (1)

NOTE (1): Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.8(f) for a different temperature range.

[END OF TABLE 2b REQUIREMENTS]

63.6603(b) [NA – NON-EMERGENCY ENGINE DOES NOT QUALIFY FOR EXEMPTION]

63.6603(c) [NA - NON-EMERGENCY ENGINE IS NOT LOCATED ON OFFSHORE VESSEL]

63.6603(d) [NA - NON-EMERGENCY ENGINE IS NOT CERTIFIED TO TIER 1 OR TIER 2 STANDARDS]

63.6603(e) [NA - NON-EMERGENCY ENGINE IS NOT CERTIFIED TO TIER 3 STANDARDS]

63.6603(f) [NA - NON-EMERGENCY ENGINE IS NOT A SI 4SLB OR 4SRB]

[75 FR page 9675, Mar. 3, 2010, as amended at 75 FR page 51589, Aug. 20, 2010; 76 FR page 12866, Mar. 9, 2011; 78 FR

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page 6701, Jan. 30, 2013]

009 [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?**

63.6604(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.

63.6604(b) [NA - ENGINES ARE NON-EMERGENCY]

63.6604(c) [Reserved]

63.6604(d) [NA - NOT LOCATED IN THE PLACES LISTED]

[78 FR 6702, Jan. 30, 2013, as amended at 85 FR 78463, Dec. 4, 2020; 87 FR 48607, Aug. 10, 2022]

010 [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?**

63.6605(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

63.6605(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010; 78 FR page 6702, Jan. 30, 2013]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6610]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****By what date must I conduct the initial performance tests or other initial compliance demonstrations?**

[NA – NOT A MAJOR HAP SOURCE]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6611]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI stationary RICE with a site rating (please see below)**

[NA – NOT A MAJOR HAP SOURCE]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6612]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake (please see below)**

[NA - INITIAL PERFORMANCE TESTS CONDUCTED ON 8/7-8/19]

[75 FR page 9676, Mar. 3, 2010, as amended at 75 FR page 51589, Aug. 20, 2010]

**SECTION E. Source Group Restrictions.****# 014 [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?**

If you must comply with the emission limitations and operating limitations, you must conduct subsequent performance tests as specified in Table 3 of this subpart.

TABLE 3 REQUIREMENTS

For each ...

ITEM 5. Existing non-emergency, non-black start CI stationary RICE >500 HP that are limited use stationary RICE; you must conduct subsequent performance tests every 8,760 hours or 5 years, whichever comes first.

[END OF TABLE 3 REQUIREMENTS]

015 [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?**

63.6620(a) You must conduct each performance test in Tables 3 and 4 of this subpart that applies to you.

63.6620(b) Each performance test must be conducted according to the requirements that this subpart specifies in Table 4 to this subpart. 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 paragraphs (b)(1) through (4) of this section.

63.6620(b)(1) - (4) [NA - MINOR SOURCE OF HAPS]

63.6620(c) [Reserved]

63.6620(d) You must conduct three separate test runs for each performance test required in this section, as specified in § 63.7(e)(3). Each test run must last at least 1 hour, unless otherwise specified in this subpart.

63.6620(e)

63.6620(e)(1) You must use Equation 1 of this section to determine compliance with the percent reduction requirement:

$$(C_i - C_o) / C_i * 100 = R$$

Where:

C_i = concentration of carbon monoxide (CO), total hydrocarbons (THC), or formaldehyde at the control device inlet,
 C_o = concentration of CO, THC, or formaldehyde at the control device outlet, and
 R = percent reduction of CO, THC, or formaldehyde emissions.

63.6620(e)(2) You must normalize the CO, THC, or formaldehyde 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 paragraphs (e)(2)(i) through (iii) of this section.

63.6620(e)(2)(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:

$$F_o = (0.209 * F_d) / F_c$$

Where:

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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/106 Btu).

Fc = Ratio of the volume of CO₂ produced to the gross calorific value of the fuel from Method 19, dsm³/J (dscf/106 Btu)

63.6620(e)(2)(ii) Calculate the CO₂ correction factor for correcting measurement data to 15 percent O₂, as follows:

$$XCO_2 = 5.9 / Fo$$

Where:

XCO₂ = CO₂ correction factor, percent.

5.9 = 20.9 percent O₂ —15 percent O₂, the defined O₂ correction value, percent.

63.6620(e)(2)(iii) Calculate the CO, THC, and formaldehyde gas concentrations adjusted to 15 percent O₂ using CO₂ as follows:

$$Cadj = Cd * (XCO_2 / \%CO_2)$$

Where:

Cadj = Calculated concentration of CO, THC, or formaldehyde adjusted to 15 percent O₂.

Cd = Measured concentration of CO, THC, or formaldehyde, uncorrected.

XCO₂ = CO₂ correction factor, percent.

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

63.6620(f) [NA - ENGINE USES OXIDATION CATALYST]

63.6620(g) If you petition the Administrator for approval of operating limitations, your petition must include the information described in paragraphs (g)(1) through (5) of this section.

63.6620(g)(1) Identification of the specific parameters you propose to use as operating limitations;

63.6620(g)(2) A discussion of the relationship between these parameters and HAP emissions, identifying how HAP emissions change with changes in these parameters, and how limitations on these parameters will serve to limit HAP emissions;

63.6620(g)(3) A discussion of how you will establish the upper and/or lower values for these parameters which will establish the limits on these parameters in the operating limitations;

63.6620(g)(4) A discussion identifying the methods you will use to measure and the instruments you will use to monitor these parameters, as well as the relative accuracy and precision of these methods and instruments; and

63.6620(g)(5) A discussion identifying the frequency and methods for recalibrating the instruments you will use for monitoring these parameters.

63.6620(h) If you petition the Administrator for approval of no operating limitations, your petition must include the information described in paragraphs (h)(1) through (7) of this section.

63.6620(h)(1) Identification of the parameters associated with operation of the stationary RICE and any emission control device which could change intentionally (e.g., operator adjustment, automatic controller adjustment, etc.) or unintentionally (e.g., wear and tear, error, etc.) on a routine basis or over time;

63.6620(h)(2) A discussion of the relationship, if any, between changes in the parameters and changes in HAP emissions;

63.6620(h)(3) For the parameters which could change in such a way as to increase HAP emissions, a discussion of whether establishing limitations on the parameters would serve to limit HAP emissions;

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63.6620(h)(4) For the parameters which could change in such a way as to increase HAP emissions, a discussion of how you could establish upper and/or lower values for the parameters which would establish limits on the parameters in operating limitations;

63.6620(h)(5) For the parameters, a discussion identifying the methods you could use to measure them and the instruments you could use to monitor them, as well as the relative accuracy and precision of the methods and instruments;

63.6620(h)(6) For the parameters, a discussion identifying the frequency and methods for recalibrating the instruments you could use to monitor them; and

63.6620(h)(7) A discussion of why, from your point of view, it is infeasible or unreasonable to adopt the parameters as operating limitations.

63.6620(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 accuracy in percentage of true value must be provided.

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010; 78 FR page 6702, Jan. 30, 2013]

016 [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?

63.6625(a) [NA – CEMS NOT REQUIRED]

63.6625(b) If you are required to install a continuous parameter monitoring system (CPMS) as specified in Table 5 of this subpart, you must install, operate, and maintain each CPMS according to the requirements in paragraphs (b)(1) through (6) of this section. For an affected source that is complying with the emission limitations and operating limitations on March 9, 2011, the requirements in paragraph (b) of this section are applicable September 6, 2011.

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

63.6625(b)(1)(i) The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;

63.6625(b)(1)(ii) Sampling interface (e.g., thermocouple) location such that the monitoring system will provide representative measurements;

63.6625(b)(1)(iii) Equipment performance evaluations, system accuracy audits, or other audit procedures;

63.6625(b)(1)(iv) Ongoing operation and maintenance procedures in accordance with provisions in § 63.8(c)(1)(ii) and (c)(3); and

63.6625(b)(1)(v) Ongoing reporting and recordkeeping procedures in accordance with provisions in § 63.10(c), (e)(1), and (e)(2)(i).

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63.6625(b)(2) You must install, operate, and maintain each CPMS in continuous operation according to the procedures in your site-specific monitoring plan.

63.6625(b)(3) The CPMS must collect data at least once every 15 minutes (see also § 63.6635).

63.6625(b)(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.

63.6625(b)(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.

63.6625(b)(6) You must conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.

63.6625(c) [NA – LFG NOT USED]

63.6625(d) [NA – NOT A MAJOR HAP SOURCE]

63.6625(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

63.6625(e)(1) - (2) [NA – NOT A MAJOR HAP SOURCE]

63.6625(e)(3) [NA - NOT AN EMERGENCY RICE]

63.6625(e)(4) [NA - RATING > 300 HP]

63.6625(e)(5) [NA - NOT A 2SLB RICE]

63.6625(e)(6) [NA - DOES NOT COMBUST LFG OR DIGESTER GAS]

63.6625(e)(7) [NA - NOT A 4SLB RICE]

63.6625(e)(8) [NA - NOT A 4SRB RICE]

63.6625(e)(9) [NA - NOT A 4SLB RICE]

63.6625(e)(10) [NA - NOT A 4SRB RICE]

63.6625(f) [NA - ENGINES ARE NON-EMERGENCY]

63.6625(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 paragraph (g)(1) or paragraph (2) of this section. 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 § 63.6603(b)(1) or § 63.6603(b)(2) do not have to meet the requirements of this paragraph (g). Existing CI engines located on offshore vessels that meet § 63.6603(c) do not have to meet the requirements of this paragraph (g).

63.6625(g)(1) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or

63.6625(g)(2) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates and metals.

**SECTION E. Source Group Restrictions.**

63.6625(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

63.6625(i) [NA - NOT SUBJECT TO ITEMS 1 OR 4 OF TABLE 2d]

63.6625(j) [NA - ENGINES ARE CI]

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

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6630]

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

How do I demonstrate initial compliance with the emission limitations and operating limitations?

[NA - INITIAL COMPLIANCE ALREADY DEMONSTRATED]

018 [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?

63.6635(a) If you must comply with emission and operating limitations, you must monitor and collect data according to this section.

63.6635(b) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or 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.

63.6635(c) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. You must, however, use all the valid data collected during all other periods.

[Amended at 76 FR page 12867, Mar. 9, 2011]

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?

63.6640(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 this subpart that apply to you according to methods specified in Table 6 to this subpart.

TABLE 2b REQUIREMENTS

ITEM 9. 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 meet the following operating limitation, except during periods of startup:

- 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; and
- 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. NOTE 1

NOTE 1 Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.8(f) for a different temperature range.

**SECTION E. Source Group Restrictions.**

[END OF TABLE 2b REQUIREMENTS]

TABLE 6 REQUIREMENTS

ITEM 12. FOR EACH Existing limited use CI stationary RICE >500 HP

- i. Conducting performance tests every 8,760 hours or 5 years, whichever comes first, for CO or formaldehyde, as appropriate, to demonstrate that the required CO or formaldehyde, as appropriate, percent reduction is achieved or that your emissions remain at or below the CO or formaldehyde concentration limit; and
- ii. Collecting the catalyst inlet temperature data according to § 63.6625(b); and
- iii. Reducing these data to 4-hour rolling averages; and
- iv. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and
- 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.

[END OF TABLE 6 REQUIREMENTS]

63.6640(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 this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in § 63.6650. 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.

63.6640(c) [NA – NON-EMERGENCY ENGINE NOT A 4SLB OR 4SRB]

63.6640(d) [NA – NEW RICE NOT SUBJECT TO EMISSION OR OPERATING LIMITATIONS]

63.6640(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE. [EXISTING NON-EMERGENCY RICE AT AREA HAP SOURCES ARE NOT AMONG THOSE EXEMPTED FROM THIS SECTION]

63.6640(f) [NA - ENGINES ARE NON-EMERGENCY]

[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; 87 FR 48607, Aug. 10, 2022]

020 [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?

**SECTION E. Source Group Restrictions.**

63.6645(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;

63.6645(a)(1) [NA – NOT A MAJOR HAP SOURCE]

63.6645(a)(2) An existing stationary RICE located at an area source of HAP emissions.

63.6645(a)(3) [NA – NOT A MAJOR HAP SOURCE]

63.6645(a)(4) [NA – NOT A MAJOR HAP SOURCE]

63.6645(a)(5) [NA - ENGINES LIMITED TO NUMERIC EMISSION STANDARD]

63.6645(b) - (e) [NA – NOT A MAJOR HAP SOURCE]

63.6645(f) If you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with § 63.6590(b), your notification should include the information in § 63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

63.6645(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).

63.6645(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).

63.6645(h)(1) [NA - INITIAL COMPLIANCE INCLUDES PERFORMANCE TEST]

63.6645(h)(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).

63.6645(i) [NA – NON-EMERGENCY ENGINE NOT CERTIFIED TO TIER 1 OR 2 STANDARDS]

[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]

021 [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?

63.6650(a) You must submit each report in Table 7 of this subpart that applies to you.

63.6650(b) Unless the Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

63.6650(b)(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 § 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 § 63.6595.

63.6650(b)(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 § 63.6595.

**SECTION E. Source Group Restrictions.**

63.6650(b)(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.

63.6650(b)(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.

63.6650(b)(5) [NA - NOT SUBJECT TO PERMITTING UNDER 40 CFR PART 70 OR 71]

63.6650(b)(6) For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in § 63.6595 and ending on December 31.

63.6650(b)(7) For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for your affected source in § 63.6595.

63.6650(b)(8) For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.

63.6650(b)(9) For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.

63.6650(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

63.6650(c)(1) Company name and address.

63.6650(c)(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

63.6650(c)(3) Date of report and beginning and ending dates of the reporting period.

63.6650(c)(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 § 63.6605(b), including actions taken to correct a malfunction.

63.6650(c)(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.

63.6650(c)(6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in § 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

63.6650(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 this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

63.6650(d)(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

63.6650(d)(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

63.6650(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 this subpart, you must include information in paragraphs (c)(1) through (4) and (e)(1) through (12) of this section.

**SECTION E. Source Group Restrictions.**

63.6650(e)(1) The date and time that each malfunction started and stopped.

63.6650(e)(2) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.

63.6650(e)(3) The date, time, and duration that each CMS was out-of-control, including the information in § 63.8(c)(8).

63.6650(e)(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.

63.6650(e)(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.

63.6650(e)(6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.

63.6650(e)(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.

63.6650(e)(8) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.

63.6650(e)(9) A brief description of the stationary RICE.

63.6650(e)(10) A brief description of the CMS.

63.6650(e)(11) The date of the latest CMS certification or audit.

63.6650(e)(12) A description of any changes in CMS, processes, or controls since the last reporting period.

63.6650(f) [NA - FACILITY OBTAINED A STATE-ONLY OPERATING PERMIT]

63.6650(g) [NA - ENGINES DO NOT COMBUST LFG OR DIGESTER GAS]

63.6650(h) [NA - ENGINES ARE NON-EMERGENCY]

[69 FR 33506, June 15, 2004, as amended at 75 FR 9677, Mar. 3, 2010; 78 FR 6705, Jan. 30, 2013; 87 FR 48607, Aug. 10, 2022]

022 [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?

63.6655(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

63.6655(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in § 63.10(b)(2)(xiv).

63.6655(a)(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

63.6655(a)(3) Records of performance tests and performance evaluations as required in § 63.10(b)(2)(viii).

**SECTION E. Source Group Restrictions.**

63.6655(a)(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

63.6655(a)(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

63.6655(b) For each CEMS or CPMS, you must keep the records listed in paragraphs (b)(1) through (3) of this section.

63.6655(b)(1) Records described in § 63.10(b)(2)(vi) through (xi).

63.6655(b)(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in § 63.8(d)(3).

63.6655(b)(3) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in § 63.8(f)(6)(i), if applicable.

63.6655(c) [NA – LFG NOT USED]

63.6655(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

63.6655(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

63.6655(e)(1) [NA – NOT A MAJOR HAP SOURCE]

63.6655(e)(2) [NA - ENGINES ARE NON-EMERGENCY]

63.6655(e)(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

63.6655(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purpose specified in § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

63.6655(f)(1) [NA – NOT A MAJOR HAP SOURCE]

63.6655(f)(2) [NA - ENGINES ARE NON-EMERGENCY]

[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; 87 FR 48607, Aug. 10, 2022]

023 [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?

63.6660(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

63.6660(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

63.6660(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).

**SECTION E. Source Group Restrictions.**

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

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

Table 8 to this subpart shows which parts of the General Provisions in § 63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.

[75 FR page 9678, Mar. 3, 2010]



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

This permit supersedes State-Only Operating Permit No. 06-03095, issued on 10/4/18.

#002

Source ID 101, Three Emergency Generators, consists of the following equipment:

- One (1) 80 kW Emergency Lighting Generator: Onan - Model ODGDA-L
- One (1) 200 kW Emergency Lighting Generator: Caterpillar - Model 3306B
- One (1) 1250 kW Emergency Power Generator: Caterpillar - Model 3512

#003

Source ID 102, Three Emergency Generators, consists of the following equipment:

- Three (3) 2,000 kW Caterpillar - Model DM3110 generators



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