



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: October 20, 2011

Effective Date: October 20, 2011

Expiration Date: October 20, 2016

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

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

[TITLE V Permit No: 30-00110](#)

Federal Tax Id - Plant Code: 25-1776875-5

Owner Information

Name: EQUITRANS LP
Mailing Address: 625 LIBERTY AVE STE 1700
EQT PLAZA
PITTSBURGH, PA 15222-3114

Plant Information

Plant: EQUITRANS INC/PRATT 47
Location: 30 Greene County 30908 Franklin Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: CHRIS AKERS
Title: SVP OPERATIONS
Phone: (412) 395 - 3000

Permit Contact Person

Name: LISA REAVES
Title: SR ENV COORDINATOR
Phone: (412) 553 - 7749

[Signature] _____
MARK A. WAYNER, SOUTHWEST REGION AIR PROGRAM MANAGER



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	MISCELLANEOUS COMBUSTION UNITS	3.500 MMBTU/HR	
101	COOPER BESSEMER ENGINE #1 (1,080 HP)		
102	COOPER BESSEMER ENGINE #2 (1,080 HP)		
103	COOPER BESSEMER ENGINE #3 (880 HP)		
104	COOPER BESSEMER ENGINE #4 (880 HP)		
105	COOPER BESSEMER ENGINE #5 (880 HP)		
106	WAUKESHA EMERGENCY GENERATOR #1 (607 HP)		
109	AREA FUGITIVES		

PERMIT MAPS

SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

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

#002 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

#003 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

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

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

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

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

#005 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

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

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

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

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

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

#006 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

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

(1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

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

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

#007 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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



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#008 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

#009 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

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

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

#010 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

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

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

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

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

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

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

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

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

#011 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

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

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#012 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.

#013 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

- (a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.
- (b) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to an operational flexibility change authorized by 25 Pa. Code § 127.462.

#014 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

- (a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.
- (b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [25 Pa. Code § 127.512(b)]

Severability Clause

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

#016 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

- (a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).
- (b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.
- (c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.
- (d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

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

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

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

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

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

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

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less

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than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

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

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

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

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

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

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

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

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

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.

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

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

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

#018 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

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

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

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#019 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

#020 [25 Pa. Code §§ 127.402(d) & 127.513(1)]

Submissions

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

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

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

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

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

#021 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]

Sampling, Testing and Monitoring Procedures

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

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

#022 [25 Pa. Code §§ 127.511 & Chapter 135]

Recordkeeping Requirements

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



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(1) The date, place (as defined in the permit) and time of sampling or measurements.

(2) The dates the analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of the analyses.

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

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

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

#023 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

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

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

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.

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

#024 [25 Pa. Code § 127.513]

Compliance Certification

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

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certification shall include:

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

(b) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance or, of the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]

Operational Flexibility

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

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

(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

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

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

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,

SECTION B. General Title V Requirements

(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

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

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

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#027 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

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

#028 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

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

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

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

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

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

SECTION B. General Title V Requirements

- (2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.
 - (4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.
- (c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.
- (d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.



SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) N/A

(8) N/A

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

002 [25 Pa. Code §123.13]

Processes

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

003 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in PA Code Title 25 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the

SECTION C. Site Level Requirements

point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]

Limitations

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

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from this facility shall not exceed the following:

Component	Engine #1	Engine #2	Engine #3	Engine #4	Engine #5	Generator #1	Misc. Heaters	Emission Totals
Pollutants	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)	(tpy)
CO	20.9	20.9	18.9	18.9	18.9	0.4	3.0	<99.0
NOX	20.9	20.9	18.9	18.9	18.9	0.7	3.6	<99.0
PM /PM10/ PM2.5 Filt	0.5	0.5	0.4	0.4	0.4	0.0	0.1	2.3
PM /PM10/ PM2.5 Total	1.0	1.0	0.8	0.8	0.8	0.0	0.3	4.7
SO2	0.03	0.03	0.02	0.02	0.02	0.0	0.02	0.14
NMNEHC	7.3	7.3	7.9	7.9	7.9	0.1	0.2	38.6
Formaldehyde	1.0	1.0	0.83	0.83	0.83	0.06	0.003	4.6
ALL HAPs Combined								7.33

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Owner/Operator shall, if necessary, adjust operating schedules and/or levels to ensure that emissions from the facility do not exceed 99 tons of CO and NOx on a rolling 12-month basis.

007 [25 Pa. Code §129.14]

Open burning operations

(a) N/A

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

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

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(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

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

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) 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 for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

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

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

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

(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:

(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.

(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).

(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.

(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

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

SECTION C. Site Level Requirements

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

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For all sources, records of all process operating parameters and maintenance procedures shall be recorded. Records may include, but are not necessarily limited to: fuel gas pressure, air manifold pressure and temperature, air-to-fuel ratios, operating hours, and daily fuel consumption. These records shall be maintained on file for five years and shall be made available to the Department upon request.

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

Compliance with the emission limits contained herein shall be demonstrated using portable analyzer and EPA reference method stack test results, vendor guarantees, and process operating parameters.

For Engines #1 through #5, compliance with the stated average short-term (lb/hr) emission rates shall be demonstrated using the average emission rate from all valid compliance tests conducted on that engine in the most recent 12-month period. Annual emissions shall be calculated using this average emission rate multiplied by the actual hours of operation during the same period. Compliance with the annual emission limits shall be demonstrated on a rolling 12-month basis, calculated monthly.

V. REPORTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The permittee shall report to the Department each malfunction that may result in an emissions increase. For purposes of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control or process equipment; or, operating in a non-permitted manner. When the malfunction poses an imminent and substantial danger to the public's health and safety, or potential harm to the environment, the permittee shall report the incident to the Department within one hour. Other malfunctions shall be reported within 72 hours.

(a) The report shall describe the:

SECTION C. Site Level Requirements

- i) name and location of the facility;
 - ii) nature and cause of the malfunction;
 - iii) time when the malfunction was first observed;
 - iv) expected duration of excess emissions; and
 - v) estimated rate of emissions.
- (b) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.
- (c) Unless otherwise required by specific reporting requirements, any malfunction that is not subject to the notice requirements above, shall be reported to the Department within 24 hours (or the next business day) by telephone, and within five days by mail of discovery. The report shall contain the same information required by subsection (A).
- (d) Malfunctions shall be reported to the Department at the following address:

PADEP
Office of Air Quality
400 Waterfront Drive
Pittsburgh, PA 15222-4745

(412) 442-4000

011 [25 Pa. Code §135.21]

Emission statements

- (a) Except as provided in subsection (d), this section applies to stationary sources or facilities:
- (1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.
 - (2) Not located in an area described in subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more oxides of nitrogen or 50 tons or more of VOC per year.
- (b) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.
- (c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:
- (1) A more frequent submission is required by the EPA.
 - (2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

SECTION C. Site Level Requirements

(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOC's or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

012 [25 Pa. Code §135.3]

Reporting

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) N/A

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

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in subsections PA Code Title 25 123.1 (a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

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

(3) Paving and maintenance of roadways.

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

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.**Compliance Schedule**

(a) Within 30 days of issuance of this Title V Operating Permit, Owner/Operator shall submit a Pratt NOx SIP Revision Request that the Pratt NOx RACT SIP be revised to eliminate the hours of operation limitation on Engines #1 through #5, to eliminate the NMVOC limits that were erroneously established in the NOx RACT SIP, to establish emission limitations which make the Pratt Station a non-major facility, and to remove the requirement that EPA reference method stack testing be conducted between April and October.

(b) Owner/Operator shall promptly address any deficiencies identified by DEP SWRO and respond to any requests for

SECTION C. Site Level Requirements

information from DEP SWRO.

- (c) Within 60 days of resolution of any deficiencies identified in the Pratt NOx SIP Revision Request, DEP SWRO will prepare a Review Memo documenting their review of the proposed NOx RACT SIP revision.
- (d) Within 60 days of completion of the Review Memo, DEP SWRO will arrange a time and place to conduct a Hearing to accept testimony regarding the proposed Pratt NOx SIP Revision Request.
- (e) DEP SWRO will arrange to publish a notice of the Hearing in the PA Bulletin at least 30 days in advance of the Hearing.
- (f) Owner/Operator shall arrange to publish a notice of the Hearing in a newspaper of general circulation in the area where the source is located at least 30 days in advance of the Hearing. DEP SWRO will provide the local newspaper hearing notice to the Owner/Operator.
- (g) DEP SWRO will conduct a Hearing to accept testimony on the proposed Pratt NOx RACT SIP Revision. Owner/Operator may arrange for a stenographer to be present at the Hearing, at Owner/Operator's expense.
- (h) A 30-day comment period will exist after the Hearing.
- (i) All comments received during the public comment period will be carefully reviewed. DEP SWRO may request that Owner/Operator provide additional information. Changes may be made to the proposed Pratt NOx RACT SIP Revision if necessary.
- (j) Within 60 days of their completion of their review of all comments, and any responses received from the Owner/Operator at SWRO DEP's request, DEP SWRO will prepare a Comments and Response Memo documenting all activity that takes place after the Review Memo is issued.
- (k) Within 15 days of preparation of the Comments and Response Memo, DEP SWRO will send a Pratt NOx RACT SIP Revision Package to DEP Central Office. Package will include the Owner/Operator's Request, the Review Memo, the PA Bulletin and newspaper notices, a script of the Hearing, the Comments and Response Memo, and any other documentation that may be available.
- (l) DEP SWRO will assist DEP Central Office with its review and processing of the Pratt NOx SIP Revision Package.
- (m) DEP Central Office will submit the Pratt NOx SIP Revision package to EPA within 60 days of resolution of any deficiencies.
- (n) Owner/Operator, DEP SWRO and DEP Central Office shall promptly address any questions or deficiencies identified by EPA and respond to any requests for information from EPA.
- (o) The Pratt NOx RACT SIP shall be revised in accordance with the Pratt NOx RACT SIP Revision, as modified by EPA on or before the expiration of the permit.

015 [25 Pa. Code §127.703]

Operating permit fees under Subchapter F.

- (a) Each applicant for an operating permit, which is not a Title V facility, shall, as part of the operating permit application and as required on an annual basis, submit the fees required by this section to the Department. These fees apply to the extension, modification, revision, renewal and reissuance of each operating permit or part thereof.
- (b) N/A



SECTION C. Site Level Requirements

(c) The annual operating permit administration fee is:

(1) N/A

(2) N/A

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(d) N/A

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

*** Permit Shield In Effect ***



SECTION D. Source Level Requirements

Source ID: 031

Source Name: MISCELLANEOUS COMBUSTION UNITS

Source Capacity/Throughput: 3.500 MMBTU/HR

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: COOPER BESSEMER ENGINE #1 (1,080 HP)

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from Engines #1 and #2 shall not exceed 2.0 g NOx/hp-hr, 2.0 g CO/hp-hr and 0.7 g VOC/hp-hr.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Engines #1 through #5 may operate up to 8,760 hours per year.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from Engines #1 through #5 shall not exceed the following:

SOURCE	Engine #1	Engine #2	Engine #3	Engine #4	Engine #5
Pollutants	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
CO (30-day rolling ave)	4.76	4.76	4.31	4.31	4.31
NOx (30-day rolling ave)	4.76	4.76	4.31	4.31	4.31
PM/PM10/ PM2.5 Filterable	0.1	0.1	0.4	0.4	0.4
PM/PM10/ PM2.5 Total	0.2	0.2	0.8	0.8	0.8
SO2	0.01	0.01	0.02	0.02	0.02
NMNEHC (30-day rolling ave)	1.67	1.67	1.8	1.8	1.8
Formaldehyde	0.23	0.23	0.19	0.19	0.19

004 [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?

Engines #1 through #5 and Emergency Generator #1 are subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

005 [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?

In accordance with 40 CFR § 63.6595(a), Owner/Operator shall comply with the applicable emission limitations and operating limitations of Subpart ZZZZ no later than October 19, 2013.

006 [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?



SECTION D. Source Level Requirements

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 63, Subparts A and ZZZZ. All submittals shall be sent to both USEPA Region III and PADEP at the following addresses:

Director, Air, Toxics, and Radiation
Environmental Protection Agency
Region III
Office of Air Quality
1650 Arch Street
Philadelphia, PA 19103

PA Department of Environmental Protection
Regional Air Quality Program Manager
400 Waterfront Drive
Pittsburgh, PA 15222-4745

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

EPA Reference Method stack test shall be performed on Engines #1 through #5 at least once every five years to verify the emission rates for NO_x (as NO₂), CO, NMNEHC and formaldehyde. Testing shall be conducted in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual. Testing shall be conducted while engines are operating at full load and full speed.

(a) Pursuant to 25 Pa. Code § 139.3, at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an 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 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 indicating the completion date of the on-site testing.

(d) 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.

(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 whether 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:

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

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

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

SECTION D. Source Level Requirements

(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/ecom/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

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

008 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

NOx and CO emissions from Engines #1 through #5 shall be monitored no less often than every 30 days, through the use of a portable analyzer.

009 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

The owner/operator shall have, at the facility, the complete operating procedure including calibration, QA/QC, and emissions calculation methods for the monitoring tests utilizing portable analyzers. The accuracy of the portable analyzer readings shall be verified by EPA method stack testing. Results from tests using portable analyzers shall be retained by the company at test location and provided annually if required by the Department.

The conversion from ppm to lbs/hr shall be determined using the following equations provided that:

(a) Readings are corrected to 3% oxygen (15% in excess air)

(b) Readings are determined volumetrically.

Equation 1: $\text{ppm NOx} * 0.001208 * \text{mmbtu/hr} = \text{lb/hr NOx}$

Equation 2: $\text{ppm CO} * 0.000735 * \text{mmbtu/hr} = \text{lb/hr CO}$

Equation 3: $\text{ppm VOC} * 0.00258 * \text{mmbtu/hr} = \text{lb/hr VOC}$

010 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

If the results of any valid portable analyzer test exceed 120% of an hourly emission limitation established herein for Engines #1 through #5, another portable analyzer test shall be performed to determine compliance as soon as practicable, but no later than 30 days of the prior test. If the portable analyzer retest results also exceed 120% of the hourly emission limitation, an EPA Reference Method stack test shall be conducted as soon as practicable, but no later than 60 days after the portable retest. The Department may extend the retesting deadline(s) if the Permittee demonstrates to the Department's satisfaction that retesting within the time limits set forth herein is not practical.

III. MONITORING REQUIREMENTS.

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



SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

011 [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?
 Owner/Operator must comply with the monitoring and data collection requirements of 40 CFR § 63.6635.

V. REPORTING REQUIREMENTS.

012 [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 and operating limitations?
 Owner/Operator shall comply with the continuous compliance demonstration requirements of 40 CFR § 63.6640.

VI. WORK PRACTICE REQUIREMENTS.

013 [25 Pa. Code §127.441]
 Operating permit terms and conditions.
 Engines #1 and #2 shall not operate unless Cooper-Bessemer CleanBurn™ Systems are operating properly. Equitrans will perform routine equipment inspections and preventative maintenance on components such as the turbocharger, jet cells, and check valves in accordance with Cooper Bessemer's emission-related written instructions or in accordance with a maintenance plan developed by Equitrans in accordance with 40 CFR § 63.6640.

014 [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 and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

In accordance with Table 2d to 40 CFR 63, Subpart ZZZZ, the following work practices apply to Engines #1 through #5. Owner/Operator must:

- (a) Change oil and filter every 4,320 hours of operation or annually, whichever comes first,
- (b) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and
- (c) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

015 [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?
 In accordance with 40 CFR § 63.6605, at all times, Owner/Operator must be in compliance with the applicable emission limitations and operating limitations in this subpart. At all times owner/operator 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

SECTION D. Source Level Requirements

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.

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?

In accordance with 40 CFR § 63.6625(e)(3) and(5) Owner/Operator must operate and maintain Engines #1 through #5 and Emergency Generator #1 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.

017 [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?

In accordance with 40 CFR § 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.

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

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

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

Sources have the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) in order to extend the specified oil change requirement in Table 2d of 40 CFR 6, Subpart ZZZZ.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: COOPER BESSEMER ENGINE #2 (1,080 HP)

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from Engines #1 and #2 shall not exceed 2.0 g NOx/hp-hr, 2.0 g CO/hp-hr and 0.7 g VOC/hp-hr.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Engines #1 through #5 may operate up to 8,760 hours per year.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from Engines #1 through #5 shall not exceed the following:

SOURCE	Engine #1	Engine #2	Engine #3	Engine #4	Engine #5
Pollutants	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
CO (30-day rolling ave)	4.76	4.76	4.31	4.31	4.31
NOx (30-day rolling ave)	4.76	4.76	4.31	4.31	4.31
PM/PM10/ PM2.5 Filterable	0.1	0.1	0.4	0.4	0.4
PM/PM10/ PM2.5 Total	0.2	0.2	0.8	0.8	0.8
SO2	0.01	0.01	0.02	0.02	0.02
NMNEHC (30-day rolling ave)	1.67	1.67	1.8	1.8	1.8
Formaldehyde	0.23	0.23	0.19	0.19	0.19

004 [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?

Engines #1 through #5 and Emergency Generator #1 are subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

005 [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?

In accordance with 40 CFR § 63.6595(a), Owner/Operator shall comply with the applicable emission limitations and operating limitations of Subpart ZZZZ no later than October 19, 2013.

006 [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?



SECTION D. Source Level Requirements

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 63, Subparts A and ZZZZ. All submittals shall be sent to both USEPA Region III and PADEP at the following addresses:

Director, Air, Toxics, and Radiation
Environmental Protection Agency
Region III
Office of Air Quality
1650 Arch Street
Philadelphia, PA 19103

PA Department of Environmental Protection
Regional Air Quality Program Manager
400 Waterfront Drive
Pittsburgh, PA 15222-4745

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

EPA Reference Method stack test shall be performed on Engines #1 through #5 at least once every five years to verify the emission rates for NO_x (as NO₂), CO, NMNEHC and formaldehyde. Testing shall be conducted in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual. Testing shall be conducted while engines are operating at full load and full speed.

(a) Pursuant to 25 Pa. Code § 139.3, at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an 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 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 indicating the completion date of the on-site testing.

(d) 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.

(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 whether 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:

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

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

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

SECTION D. Source Level Requirements

(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/ecom/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

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

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx and CO emissions from Engines #1 through #5 shall be monitored no less often than every 30 days, through the use of a portable analyzer.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall have, at the facility, the complete operating procedure including calibration, QA/QC, and emissions calculation methods for the monitoring tests utilizing portable analyzers. The accuracy of the portable analyzer readings shall be verified by EPA method stack testing. Results from tests using portable analyzers shall be retained by the company at test location and provided annually if required by the Department.

The conversion from ppm to lbs/hr shall be determined using the following equations provided that:

(a) Readings are corrected to 3% oxygen (15% in excess air)

(b) Readings are determined volumetrically.

Equation 1: $\text{ppm NOx} * 0.001208 * \text{mmbtu/hr} = \text{lb/hr NOx}$

Equation 2: $\text{ppm CO} * 0.000735 * \text{mmbtu/hr} = \text{lb/hr CO}$

Equation 3: $\text{ppm VOC} * 0.00258 * \text{mmbtu/hr} = \text{lb/hr VOC}$

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If the results of any valid portable analyzer test exceed 120% of an hourly emission limitation established herein for Engines #1 through #5, another portable analyzer test shall be performed to determine compliance as soon as practicable, but no later than 30 days of the prior test. If the portable analyzer retest results also exceed 120% of the hourly emission limitation, an EPA Reference Method stack test shall be conducted as soon as practicable, but no later than 60 days after the portable retest. The Department may extend the retesting deadline(s) if the Permittee demonstrates to the Department's satisfaction that retesting within the time limits set forth herein is not practical.

III. MONITORING REQUIREMENTS.

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

SECTION D. Source Level Requirements**IV. RECORDKEEPING REQUIREMENTS.**

011 [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?

Owner/Operator must comply with the monitoring and data collection requirements of 40 CFR § 63.6635.

V. REPORTING REQUIREMENTS.

012 [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 and operating limitations?

Owner/Operator shall comply with the continuous compliance demonstration requirements of 40 CFR § 63.6640.

VI. WORK PRACTICE REQUIREMENTS.

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

Engines #1 and #2 shall not operate unless Cooper-Bessemer CleanBurn™ Systems are operating properly. Equitrans will perform routine equipment inspections and preventative maintenance on components such as the turbocharger, jet cells, and check valves in accordance with Cooper Bessemer's emission-related written instructions or in accordance with a maintenance plan developed by Equitrans in accordance with 40 CFR § 63.6640.

014 [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 and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

In accordance with Table 2d to 40 CFR 63, Subpart ZZZZ, the following work practices apply to Engines #1 through #5. Owner/Operator must:

- (a) Change oil and filter every 4,320 hours of operation or annually, whichever comes first,
- (b) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and
- (c) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

015 [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?

In accordance with 40 CFR § 63.6605, at all times, Owner/Operator must be in compliance with the applicable emission limitations and operating limitations in this subpart. At all times owner/operator 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



SECTION D. Source Level Requirements

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.

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?

In accordance with 40 CFR § 63.6625(e)(3) and(5) Owner/Operator must operate and maintain Engines #1 through #5 and Emergency Generator #1 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.

017 [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?

In accordance with 40 CFR § 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.

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

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

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

Sources have the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) in order to extend the specified oil change requirement in Table 2d of 40 CFR 6, Subpart ZZZZ.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: COOPER BESSEMER ENGINE #3 (880 HP)

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Engines #1 through #5 may operate up to 8,760 hours per year.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from Engines #1 through #5 shall not exceed the following:

SOURCE	Engine #1	Engine #2	Engine #3	Engine #4	Engine #5
Pollutants	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
CO (30-day rolling ave)	4.76	4.76	4.31	4.31	4.31
NOx (30-day rolling ave)	4.76	4.76	4.31	4.31	4.31
PM/PM10/ PM2.5 Filterable	0.1	0.1	0.4	0.4	0.4
PM/PM10/ PM2.5 Total	0.2	0.2	0.8	0.8	0.8
SO2	0.01	0.01	0.02	0.02	0.02
NMNEHC (30-day rolling ave)	1.67	1.67	1.8	1.8	1.8
Formaldehyde	0.23	0.23	0.19	0.19	0.19

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Permittee shall continue to operate Engines #3, #4 and #5 with Starfire 1601 inductive discharge spark systems (or equivalent).

004 [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?

Engines #1 through #5 and Emergency Generator #1 are subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

005 [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?

In accordance with 40 CFR § 63.6595(a), Owner/Operator shall comply with the applicable emission limitations and operating limitations of Subpart ZZZZ no later than October 19, 2013.

006 [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

SECTION D. Source Level Requirements

What reports must I submit and when?

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 63, Subparts A and ZZZZ. All submittals shall be sent to both USEPA Region III and PADEP at the following addresses:

Director, Air, Toxics, and Radiation
Environmental Protection Agency
Region III
Office of Air Quality
1650 Arch Street
Philadelphia, PA 19103

PA Department of Environmental Protection
Regional Air Quality Program Manager
400 Waterfront Drive
Pittsburgh, PA 15222-4745

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

EPA Reference Method stack test shall be performed on Engines #1 through #5 at least once every five years to verify the emission rates for NO_x (as NO₂), CO, NMNEHC and formaldehyde. Testing shall be conducted in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual. Testing shall be conducted while engines are operating at full load and full speed.

(a) Pursuant to 25 Pa. Code § 139.3, at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an 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 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 indicating the completion date of the on-site testing.

(d) 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.

(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 whether 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:

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

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

SECTION D. Source Level Requirements

(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, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

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

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx and CO emissions from Engines #1 through #5 shall be monitored no less often than every 30 days, through the use of a portable analyzer.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall have, at the facility, the complete operating procedure including calibration, QA/QC, and emissions calculation methods for the monitoring tests utilizing portable analyzers. The accuracy of the portable analyzer readings shall be verified by EPA method stack testing. Results from tests using portable analyzers shall be retained by the company at test location and provided annually if required by the Department.

The conversion from ppm to lbs/hr shall be determined using the following equations provided that:

- (a) Readings are corrected to 3% oxygen (15% in excess air)
- (b) Readings are determined volumetrically.

Equation 1: $\text{ppm NOx} * 0.001208 * \text{mmbtu/hr} = \text{lb/hr NOx}$

Equation 2: $\text{ppm CO} * 0.000735 * \text{mmbtu/hr} = \text{lb/hr CO}$

Equation 3: $\text{ppm VOC} * 0.00258 * \text{mmbtu/hr} = \text{lb/hr VOC}$

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If the results of any valid portable analyzer test exceed 120% of an hourly emission limitation established herein for Engines #1 through #5, another portable analyzer test shall be performed to determine compliance as soon as practicable, but no later than 30 days of the prior test. If the portable analyzer retest results also exceed 120% of the hourly emission limitation, an EPA Reference Method stack test shall be conducted as soon as practicable, but no later than 60 days after the portable retest. The Department may extend the retesting deadline(s) if the Permittee demonstrates to the Department's satisfaction that retesting within the time limits set forth herein is not practical.

III. MONITORING REQUIREMENTS.

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



SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

011 [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?

Owner/Operator must comply with the monitoring and data collection requirements of 40 CFR § 63.6635.

V. REPORTING REQUIREMENTS.

012 [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 and operating limitations?

Owner/Operator shall comply with the continuous compliance demonstration requirements of 40 CFR § 63.6640.

VI. WORK PRACTICE REQUIREMENTS.

013 [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 and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

In accordance with Table 2d to 40 CFR 63, Subpart ZZZZ, the following work practices apply to Engines #1 through #5. Owner/Operator must:

- (a) Change oil and filter every 4,320 hours of operation or annually, whichever comes first,
- (b) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and
- (c) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

014 [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?

In accordance with 40 CFR § 63.6605, at all times, Owner/Operator must be in compliance with the applicable emission limitations and operating limitations in this subpart. At all times owner/operator 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.

015 [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?

SECTION D. Source Level Requirements

In accordance with 40 CFR § 63.6625(e)(3) and(5) Owner/Operator must operate and maintain Engines #1 through #5 and Emergency Generator #1 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.

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?

In accordance with 40 CFR § 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.

017 [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?

Sources have the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) in order to extend the specified oil change requirement in Table 2d of 40 CFR 6, Subpart ZZZZ.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***



SECTION D. Source Level Requirements

Source ID: 104

Source Name: COOPER BESSEMER ENGINE #4 (880 HP)

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

<p># 001 [25 Pa. Code §127.441] Operating permit terms and conditions.</p> <p>Engines #1 through #5 may operate up to 8,760 hours per year.</p>																																																											
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<p># 004 [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?</p> <p>Engines #1 through #5 and Emergency Generator #1 are subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.</p>																																																											
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SECTION D. Source Level Requirements

What reports must I submit and when?

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 63, Subparts A and ZZZZ. All submittals shall be sent to both USEPA Region III and PADEP at the following addresses:

Director, Air, Toxics, and Radiation
Environmental Protection Agency
Region III
Office of Air Quality
1650 Arch Street
Philadelphia, PA 19103

PA Department of Environmental Protection
Regional Air Quality Program Manager
400 Waterfront Drive
Pittsburgh, PA 15222-4745

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

EPA Reference Method stack test shall be performed on Engines #1 through #5 at least once every five years to verify the emission rates for NO_x (as NO₂), CO, NMNEHC and formaldehyde. Testing shall be conducted in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual. Testing shall be conducted while engines are operating at full load and full speed.

(a) Pursuant to 25 Pa. Code § 139.3, at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an 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 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 indicating the completion date of the on-site testing.

(d) 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.

(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 whether 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:

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

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

SECTION D. Source Level Requirements

(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, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

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

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx and CO emissions from Engines #1 through #5 shall be monitored no less often than every 30 days, through the use of a portable analyzer.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall have, at the facility, the complete operating procedure including calibration, QA/QC, and emissions calculation methods for the monitoring tests utilizing portable analyzers. The accuracy of the portable analyzer readings shall be verified by EPA method stack testing. Results from tests using portable analyzers shall be retained by the company at test location and provided annually if required by the Department.

The conversion from ppm to lbs/hr shall be determined using the following equations provided that:

- (a) Readings are corrected to 3% oxygen (15% in excess air)
- (b) Readings are determined volumetrically.

Equation 1: $\text{ppm NOx} * 0.001208 * \text{mmbtu/hr} = \text{lb/hr NOx}$

Equation 2: $\text{ppm CO} * 0.000735 * \text{mmbtu/hr} = \text{lb/hr CO}$

Equation 3: $\text{ppm VOC} * 0.00258 * \text{mmbtu/hr} = \text{lb/hr VOC}$

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If the results of any valid portable analyzer test exceed 120% of an hourly emission limitation established herein for Engines #1 through #5, another portable analyzer test shall be performed to determine compliance as soon as practicable, but no later than 30 days of the prior test. If the portable analyzer retest results also exceed 120% of the hourly emission limitation, an EPA Reference Method stack test shall be conducted as soon as practicable, but no later than 60 days after the portable retest. The Department may extend the retesting deadline(s) if the Permittee demonstrates to the Department's satisfaction that retesting within the time limits set forth herein is not practical.

III. MONITORING REQUIREMENTS.

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



SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

011 [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?

Owner/Operator must comply with the monitoring and data collection requirements of 40 CFR § 63.6635.

V. REPORTING REQUIREMENTS.

012 [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 and operating limitations?

Owner/Operator shall comply with the continuous compliance demonstration requirements of 40 CFR § 63.6640.

VI. WORK PRACTICE REQUIREMENTS.

013 [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 and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

In accordance with Table 2d to 40 CFR 63, Subpart ZZZZ, the following work practices apply to Engines #1 through #5. Owner/Operator must:

- (a) Change oil and filter every 4,320 hours of operation or annually, whichever comes first,
- (b) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and
- (c) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

014 [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?

In accordance with 40 CFR § 63.6605, at all times, Owner/Operator must be in compliance with the applicable emission limitations and operating limitations in this subpart. At all times owner/operator 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.

015 [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?

SECTION D. Source Level Requirements

In accordance with 40 CFR § 63.6625(e)(3) and(5) Owner/Operator must operate and maintain Engines #1 through #5 and Emergency Generator #1 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.

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?

In accordance with 40 CFR § 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.

017 [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?

Sources have the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) in order to extend the specified oil change requirement in Table 2d of 40 CFR 6, Subpart ZZZZ.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: COOPER BESSEMER ENGINE #5 (880 HP)

Source Capacity/Throughput:

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

<p># 001 [25 Pa. Code §127.441] Operating permit terms and conditions.</p> <p>Engines #1 through #5 may operate up to 8,760 hours per year.</p>																																																											
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SECTION D. Source Level Requirements

What reports must I submit and when?

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 63, Subparts A and ZZZZ. All submittals shall be sent to both USEPA Region III and PADEP at the following addresses:

Director, Air, Toxics, and Radiation
Environmental Protection Agency
Region III
Office of Air Quality
1650 Arch Street
Philadelphia, PA 19103

PA Department of Environmental Protection
Regional Air Quality Program Manager
400 Waterfront Drive
Pittsburgh, PA 15222-4745

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

EPA Reference Method stack test shall be performed on Engines #1 through #5 at least once every five years to verify the emission rates for NO_x (as NO₂), CO, NMNEHC and formaldehyde. Testing shall be conducted in accordance with 25 PA Code Chapter 139 and the Department's Source Testing Manual. Testing shall be conducted while engines are operating at full load and full speed.

(a) Pursuant to 25 Pa. Code § 139.3, at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an 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 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 indicating the completion date of the on-site testing.

(d) 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.

(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 whether 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:

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

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

SECTION D. Source Level Requirements

(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, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

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

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx and CO emissions from Engines #1 through #5 shall be monitored no less often than every 30 days, through the use of a portable analyzer.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The owner/operator shall have, at the facility, the complete operating procedure including calibration, QA/QC, and emissions calculation methods for the monitoring tests utilizing portable analyzers. The accuracy of the portable analyzer readings shall be verified by EPA method stack testing. Results from tests using portable analyzers shall be retained by the company at test location and provided annually if required by the Department.

The conversion from ppm to lbs/hr shall be determined using the following equations provided that:

- (a) Readings are corrected to 3% oxygen (15% in excess air)
- (b) Readings are determined volumetrically.

Equation 1: $\text{ppm NOx} * 0.001208 * \text{mmbtu/hr} = \text{lb/hr NOx}$

Equation 2: $\text{ppm CO} * 0.000735 * \text{mmbtu/hr} = \text{lb/hr CO}$

Equation 3: $\text{ppm VOC} * 0.00258 * \text{mmbtu/hr} = \text{lb/hr VOC}$

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If the results of any valid portable analyzer test exceed 120% of an hourly emission limitation established herein for Engines #1 through #5, another portable analyzer test shall be performed to determine compliance as soon as practicable, but no later than 30 days of the prior test. If the portable analyzer retest results also exceed 120% of the hourly emission limitation, an EPA Reference Method stack test shall be conducted as soon as practicable, but no later than 60 days after the portable retest. The Department may extend the retesting deadline(s) if the Permittee demonstrates to the Department's satisfaction that retesting within the time limits set forth herein is not practical.

III. MONITORING REQUIREMENTS.

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



SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

011 [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?

Owner/Operator must comply with the monitoring and data collection requirements of 40 CFR § 63.6635.

V. REPORTING REQUIREMENTS.

012 [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 and operating limitations?

Owner/Operator shall comply with the continuous compliance demonstration requirements of 40 CFR § 63.6640.

VI. WORK PRACTICE REQUIREMENTS.

013 [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 and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

In accordance with Table 2d to 40 CFR 63, Subpart ZZZZ, the following work practices apply to Engines #1 through #5. Owner/Operator must:

- (a) Change oil and filter every 4,320 hours of operation or annually, whichever comes first,
- (b) Inspect spark plugs every 4,320 hours of operation or annually, whichever comes first, and
- (c) Inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first, and replace as necessary.

014 [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?

In accordance with 40 CFR § 63.6605, at all times, Owner/Operator must be in compliance with the applicable emission limitations and operating limitations in this subpart. At all times owner/operator 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.

015 [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?



SECTION D. Source Level Requirements

In accordance with 40 CFR § 63.6625(e)(3) and(5) Owner/Operator must operate and maintain Engines #1 through #5 and Emergency Generator #1 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.

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?

In accordance with 40 CFR § 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.

017 [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?

Sources have the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) in order to extend the specified oil change requirement in Table 2d of 40 CFR 6, Subpart ZZZZ.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: WAUKESHA EMERGENCY GENERATOR #1 (607 HP)

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emergency Generator #1 shall not operate more than 500 hours per rolling 12-month period.

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?

Engines #1 through #5 and Emergency Generator #1 are subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

003 [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?

In accordance with 40 CFR § 63.6595(a), Owner/Operator shall comply with the applicable emission limitations and operating limitations of Subpart ZZZZ no later than October 19, 2013.

004 [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?

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 63, Subparts A and ZZZZ. All submittals shall be sent to both USEPA Region III and PADEP at the following addresses:

Director, Air, Toxics, and Radiation
 Environmental Protection Agency
 Region III
 Office of Air Quality
 1650 Arch Street
 Philadelphia, PA 19103

PA Department of Environmental Protection
 Regional Air Quality Program Manager
 400 Waterfront Drive
 Pittsburgh, PA 15222-4745

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6635]



SECTION D. Source Level Requirements

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?

Owner/Operator must comply with the monitoring and data collection requirements of 40 CFR § 63.6635.

V. REPORTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Owner/operator shall comply with all applicable notification and reporting requirements contained in 40 CFR 63, Subparts A and ZZZZ. All submittals shall be sent to both USEPA Region III and PADEP at the following addresses:

Director, Air, Toxics, and Radiation
Environmental Protection Agency
Region III
Office of Air Quality
1650 Arch Street
Philadelphia, PA 19103

PA Department of Environmental Protection
Regional Air Quality Program Manager
400 Waterfront Drive
Pittsburgh, PA 15222-4745

007 [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 and operating limitations?

Owner/Operator shall comply with the continuous compliance demonstration requirements of 40 CFR § 63.6640.

VI. WORK PRACTICE REQUIREMENTS.

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

In accordance with Table 2d to 40 CFR 63, Subpart ZZZZ, the following work practices apply to Emergency Generator #1. Owner/Operator must:

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

009 [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 and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform



SECTION D. Source Level Requirements

the management practice requirements on the schedule required in Table 2d of 40 CFR 63, Subpart ZZZZ, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

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?

In accordance with 40 CFR § 63.6605, at all times, Owner/Operator must be in compliance with the applicable emission limitations and operating limitations in this subpart. At all times owner/operator 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.

011 [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?

In accordance with 40 CFR § 63.6625(e)(3) and(5) Owner/Operator must operate and maintain Engines #1 through #5 and Emergency Generator #1 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.

012 [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?

In accordance with 40 CFR § 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.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

Sources have the option to utilize an oil analysis program as described in 40 CFR § 63.6625(i) in order to extend the specified oil change requirement in Table 2d of 40 CFR 6, Subpart ZZZZ.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***



SECTION D. Source Level Requirements

Source ID: 109

Source Name: AREA FUGITIVES

Source Capacity/Throughput:

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.



SECTION F. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION G. Miscellaneous.



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

