



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: March 1, 2012

Effective Date: March 1, 2012

Expiration Date: February 28, 2017

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

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

State Only Permit No: 24-00136

Federal Tax Id - Plant Code: 25-0850705-21

Owner Information

Name: NATL FUEL GAS SUPPLY CORP

Mailing Address: PO BOX 2081

ERIE, PA 16512-2081

Plant Information

Plant: NATL FUEL GAS SUPPLY/SACKETT STA

Location: 24 Elk County

24907 Highland Township

SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: JOHN R PUSTULKA

Title: PRESIDENT

Phone: (814) 871 - 8657

Permit Contact Person

Name: JOSH ENNIS

Title: ASSOCIATE ENGINEER

Phone: (814) 871 - 8233

[Signature] _____

JOHN F. GUTH, NORTHWEST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.

Section C. Site Level State Only Requirements

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

Section D. Source Level State Only Requirements

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

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

Section E. Alternative Operating Scenario(s)

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements



SECTION A. Table of Contents

- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

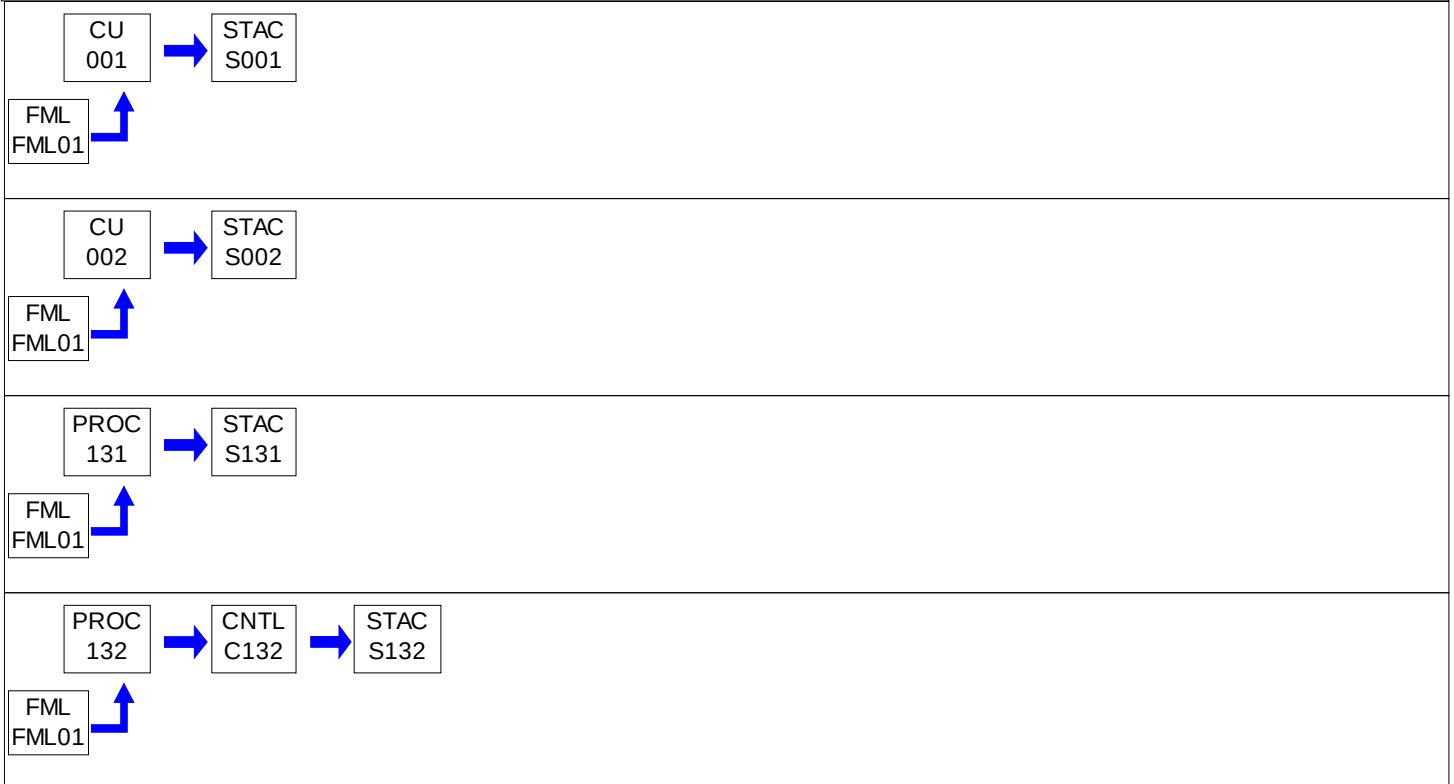
Section F. Emission Restriction Summary

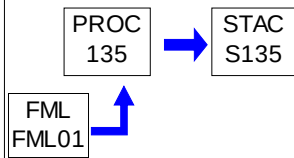
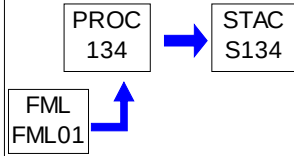
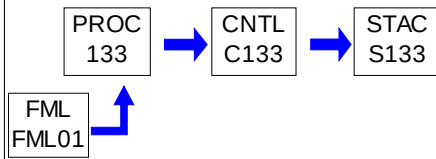
Section G. Miscellaneous

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
001	MISC. PROCESS HEATERS (2)	840.000 CF/HR	Natural Gas
002	MISC. SPACE HEATERS	483.000 CF/HR	Natural Gas
131	INGERSOLL RAND UNIT 1	1,350.000 CF/HR	Natural Gas
132	INGERSOLL RAND UNIT 5	1,620.000 CF/HR	Natural Gas
133	INGERSOLL RAND UNIT 6	1,620.000 CF/HR	Natural Gas
134	WAUKESHA 1197 UNIT 7	1,000.000 CF/HR	Natural Gas
135	ONAN AUX GENERATOR G1	600.000 CF/HR	Natural Gas
C132	NSCR ON COMPRESSOR ENGINE 5		
C133	NSCR ON COMPRESSOR ENGINE 6		
FML01	NATURAL GAS PIPELINE		
S001	STACKS-PROCESS HEATERS(2)		
S002	STACKS-MISC. SPACE HEATERS		
S131	STACK UNIT 1		
S132	STACK UNIT 5		
S133	STACK UNIT 6		
S134	STACK UNIT 7		
S135	STACK AUX GEN. G1		

PERMIT MAPS



PERMIT MAPS

SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

Permit Renewal.

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
 - (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
 - (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

SECTION B. General State Only Requirements

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

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

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

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

Transfer of Operating Permits.

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

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

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

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

Inspection and Entry.

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

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

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

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

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

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

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

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

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

SECTION B. General State Only Requirements

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one 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 for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

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

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

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

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

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

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

- (a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

SECTION B. General State Only Requirements

significant operating permit modifications, under this permit, as outlined below:

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

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

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

SECTION B. General State Only Requirements

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

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

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

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

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

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

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

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

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

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

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

SECTION B. General State Only Requirements

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

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

#015 [25 Pa. Code § 127.11]

Reactivation

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

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

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

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

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

#017 [25 Pa. Code § 121.9]

Circumvention.

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

Reporting Requirements.

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

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

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

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

Recordkeeping.

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

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

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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) Sources and classes of sources other than those identified in above, 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.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C - Condition #001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]

Limitations

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

004 [25 Pa. Code §123.41]

Limitations

The permittee may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

005 [25 Pa. Code §123.42]

Exceptions

The limitations of 25 Pa Code, Section 123.41 (relating to limitations of visible air contaminants) shall not apply to a visible emission in any of the following instances:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

SECTION C. Site Level Requirements

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) When the emission results from sources specified in 25 Pa Code, 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

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

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

(3) Paving and maintenance of roadways.

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

SECTION C. Site Level Requirements**# 009 [25 Pa. Code §129.14]****Open burning operations**

(a) The permittee may not permit the open burning of material in an area outside of air basins in a manner that:

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

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

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

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

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

(b) 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 solely for recreational or ceremonial purposes.

(5) A fire set solely for cooking food.

(c) 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 outside of an air basin, subject to the following limitations:

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

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

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

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

SECTION C. Site Level Requirements

VII. ADDITIONAL REQUIREMENTS.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6580]

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

What is the purpose of subpart ZZZZ?

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

[73 FR page 3603, Jan. 18, 2008, eff. Mar. 18, 2008]

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]

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

Am I subject to this subpart?

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

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

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

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

(d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

(e) [Does not apply]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3603, Jan. 18, 2008, eff. Mar. 18, 2008]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]

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

What parts of my plant does this subpart cover?

This subpart applies to each affected source.

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

(1) Existing stationary RICE.

(i) [Does not apply]

(ii) [Does not apply]

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

SECTION C. Site Level Requirements

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

(2) New stationary RICE.

(i) [Does not apply]

(ii) [Does not apply]

(iii) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(3) Reconstructed stationary RICE.

(i) [Does not apply]

(ii) [Does not apply]

(iii) A stationary RICE located at an area source of HAP emissions is reconstructed if you meet the definition of reconstruction in §63.2 and reconstruction is commenced on or after June 12, 2006.

(b)-(c) [Do not apply]

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

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]

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

When do I have to comply with this subpart?

63.6595(a) Affected Sources.

(1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations and operating limitations no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations and operating limitations no later than May 3, 2013. If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations and operating limitations no later than October 19, 2013.

(2)-(7) [Do not apply]

(b) [Does not apply]

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

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

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

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

SECTION C. Site Level Requirements

What parts of the General Provisions apply to me?

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

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6670]

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

Who implements and enforces this subpart?

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

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

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

- (1) Approval of alternatives to the non-opacity emission limitations and operating limitations in §63.6600 under §63.6(g).
- (2) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.
- (3) Approval of major alternatives to monitoring under §63.8(f) and as defined in §63.90.
- (4) Approval of major alternatives to recordkeeping and reporting under §63.10(f) and as defined in §63.90.
- (5) Approval of a performance test which was conducted prior to the effective date of the rule, as specified in §63.6610(b).

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]

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

What definitions apply to this subpart?

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

[Please refer to the definitions contained in 40 CFR 63.6675 of Subpart ZZZZ.]

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

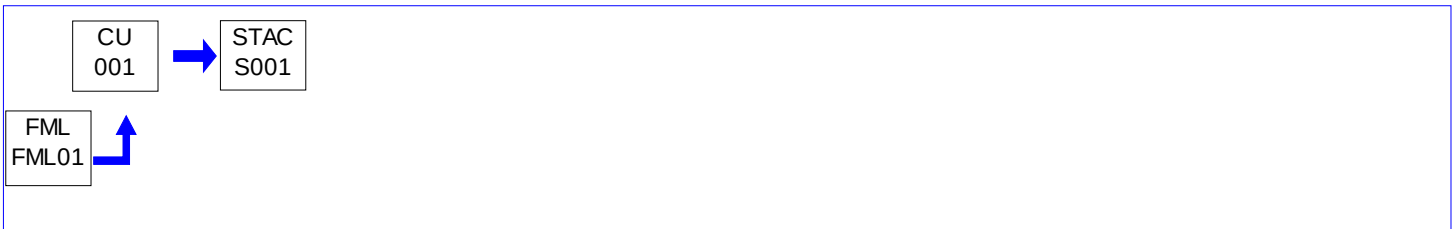
Source ID: 001

Source Name: MISC. PROCESS HEATERS (2)

Source Capacity/Throughput:

840.000 CF/HR

Natural Gas

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

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

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

In order to assure compliance with the emission limitations for this source, the permittee shall maintain and operate this source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

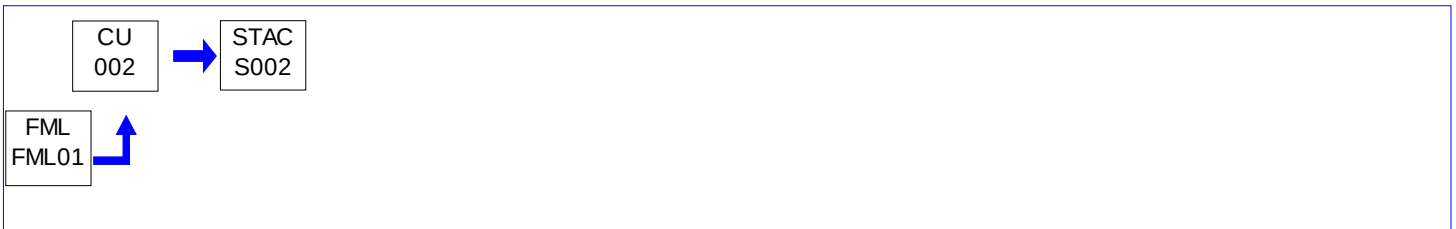
Source ID: 002

Source Name: MISC. SPACE HEATERS

Source Capacity/Throughput:

483.000 CF/HR

Natural Gas

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

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

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

In order to assure compliance with the emission limitations for this source, the permittee shall maintain and operate this source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 131

Source Name: INGERSOLL RAND UNIT 1

Source Capacity/Throughput: 1,350.000 CF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The company shall limit the combined emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1 to 0.9 tons per year, calculated as a 12 month rolling sum.

b) The company shall limit the combined emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1 to 1.1 tons per year, calculated as a 12 month rolling sum.

[From Plan Approval Number 24-136A, Section E, Condition #001.]

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall use only natural gas as a fuel for this source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The company shall, on a monthly basis, calculate the emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1.

b) The company shall, on a monthly basis, calculate the emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1.

[From Plan Approval Number 24-136A, Section E, Condition #002.]

SECTION D. Source Level Requirements

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

(a) - (d) [Do not apply]

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

(8) An existing non-emergency, non-black start 4SRB stationary RICE with a site rating of less than or equal to 500 Hp located at an area source of HAP emissions.

(f) [Does not apply]

(g) [Does not apply]

(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.

(i) [Does not apply]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

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

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

a) The company shall keep a monthly record of the emissions of formaldehyde emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

b) The company shall keep a monthly record of the hazardous air pollutants emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

SECTION D. Source Level Requirements

[From Plan Approval Number 24-136A, Section E, Condition #003.]

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) The permittee shall maintain a log of ignition timing settings and maintenance operations performed on this engine, for a period of five (5) years.

b) The permittee shall maintain a log of the hours of operation for this source, detailing periods of start-up, shutdown, maintenance, and normal operation.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

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

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

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

(3) - (4) [Do not apply]

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

(b) - (c) [Do not apply]

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

[The requirements from Table 6 are listed in the "Work Practice Requirements" section under 40 CFR 63.6640.]

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

(1) [N/A]

(2) [N/A]

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

[The requirements from Table 2d are listed in the "Work Practice Requirements" section under 40 CFR 63.6603.]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

In what form and how long must I keep my records?

SECTION D. Source Level Requirements

- (a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).
- (b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

- # 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
How do I demonstrate continuous compliance with the emission limitations and operating limitations?
- (b) [Does not apply]
 - (e) You must also report each instance in which you did not meet the requirements in Table 8 of this subpart that apply to you.

VI. WORK PRACTICE REQUIREMENTS.

- # 012 [25 Pa. Code §127.441]**
Operating permit terms and conditions.
- In order to assure compliance with the emission limitations for this source, the permittee shall maintain and operate this source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.
- # 013 [25 Pa. Code §127.441]**
Operating permit terms and conditions.
- [Authority for this condition is also derived from 25 Pa Code, Section 129.91.]
- This source shall maintain a 4 degree retard relative to standard ignition timing.
- # 014 [25 Pa. Code §127.441]**
Operating permit terms and conditions.
- a) The permittee may replace an existing engine due to breakdown or malfunction, temporarily for up to six (6) months, if the replacement equipment meets any of the following:
 - 1) The replacement equipment is identical to the existing engine. Identical means the manufacturer, model number, horsepower rating and emissions are identical.
 - 2) The replacement equipment is not identical to the existing engine, meaning the manufacturer, model number or horsepower may differ from the original. However, the emissions must be determined to be equal to or less than the original emissions.
 - b) The permittee shall notify the Department of their intention to replace an existing engine prior to installation. The notification shall include:
 - 1) The nature of the breakdown or malfunction.
 - 2) The equipment manufacturer, model number, and horsepower rating that is being installed, along with the approximate emissions.
 - 3) The anticipated length of time the replacement equipment will be operational.
 - c) The original engine and the replacement engine shall not be operated simultaneously.

SECTION D. Source Level Requirements

d) Permanent replacement of an engine will require the permittee going through the plan approval process.

e) A malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

015 [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?

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

[From Table 2d]

9. Non-emergency, non-black start 4SRB stationary RICE less than or equal to 500 Hp

- a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first;*
- b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

*[Sources have the option to utilize an oil analysis program as described in §63.6625(j) in order to extend the specified oil change requirements in Table 2d of this subpart.]

[The requirements of 40 CFR 63.6625(j) are listed in the "Monitoring Requirements" section.]

(b) [Does not apply]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

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

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010]

017 [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?

(a) You must demonstrate continuous compliance with each operating limitation in Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[From Section 9 of Table 6]

SECTION D. Source Level Requirements

9. Existing emergency and black start stationary RICE located at an area source of HAP, and 4SRB stationary RICE less than or equal to 500 HP located at an area source of HAP, complying with work or Management practices must demonstrate continuous compliance by performing the following.

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 132

Source Name: INGERSOLL RAND UNIT 5

Source Capacity/Throughput: 1,620.000 CF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The company shall limit the combined emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1 to 0.9 tons per year, calculated as a 12 month rolling sum.

b) The company shall limit the combined emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1 to 1.1 tons per year, calculated as a 12 month rolling sum.

[From Plan Approval Number 24-136A, Section E, Condition #001.]

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The following air contaminant emission limits are approved for the compressor engine.

a) Nitrogen Oxides (NO_x): 0.88 pounds per hour and 3.9 tons per year calculated as a 12 month rolling sum.

b) Carbon Monoxide (CO): 1.67 pounds per hour and 7.3 tons per year calculated as a 12 month rolling sum.

[From Plan Approval Number 24-136A, Section D, Condition #001.]

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall use only natural gas as a fuel for this source.

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) The company shall, on a monthly basis, calculate the emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1.
- b) The company shall, on a monthly basis, calculate the emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1.

[From Plan Approval Number 24-136A, Section E, Condition #002.]

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) The company shall, on a monthly basis, monitor the amount of natural gas combusted in the compressor engine.
- b) The company shall, on a monthly basis, monitor the hours of operation of the compressor engine.
- c) The company shall, on a monthly basis, calculate the emissions of nitrogen oxides from the compressor engine.
- d) The company shall, on a monthly basis, calculate the emissions of carbon monoxide from the compressor engine.

[This condition supercedes, in part, Condition #006, Source Level Requirements, Source 132, of Operating Permit 24-00136.]

[From Plan Approval Number 24-136A, Section D, Condition #004.]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

(a) - (d) [Do not apply]

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

(8) An existing non-emergency, non-black start 4SRB stationary RICE with a site rating of less than or equal to 500 Hp located at an area source of HAP emissions.

(f) [Does not apply]

(g) [Does not apply]

(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.

(i) [Does not apply]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has

SECTION D. Source Level Requirements

changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

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

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

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

- a) The company shall keep a monthly record of the emissions of formaldehyde emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.
- b) The company shall keep a monthly record of the hazardous air pollutants emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

[From Plan Approval Number 24-136A, Section E, Condition #003.]

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

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

- a) The company shall keep a copy of all performance test(s) that are required by this plan approval.
- b) The company shall, on a monthly basis, keep a record of the emissions of nitrogen oxides in order to demonstrate compliance with this plan approval.
- c) The company shall on a monthly basis, keep a record of the emissions of carbon monoxide in order to demonstrate compliance with this plan approval.
- d) The company shall keep a copy of the manufacturer's specifications of the non-selective catalytic reduction system.
- e) The company shall keep a record of the hours of operation of the compressor engine.

[This condition supercedes, in part, Condition #006, Source Level Requirements, Source 132, of Operating Permit 24-00136.]

[From Plan Approval Number 24-136A, Section D, Condition #005.]

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

- a) The permittee shall, in the event of the removal of the non-selective catalyst reduction system, maintain a log of ignition timing settings for this engine.
- b) The permittee shall maintain a log of maintenance operations performed on this engine, for a period of five (5) years.
- c) The permittee shall maintain a log of the hours of operation for this source, detailing periods of start-up, shutdown,

SECTION D. Source Level Requirements

maintenance, and normal operation.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

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

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

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

(3) - (4) [Do not apply]

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

(b) - (c) [Do not apply]

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

[The requirements from Table 6 are listed in the "Work Practice Requirements" section under 40 CFR 63.6640.]

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

(1) [N/A]

(2) [N/A]

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

[The requirements from Table 2d are listed in the "Work Practice Requirements" section under 40 CFR 63.6603.]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

In what form and how long must I keep my records?

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

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

(c) You must keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

(b) [Does not apply]

(e) You must also report each instance in which you did not meet the requirements in Table 8 of this subpart that apply to you.

VI. WORK PRACTICE REQUIREMENTS.

015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The company shall install, operate, and maintain the non-selective catalytic reduction system on the compressor engine in order to reduce the emissions of nitrogen oxides and carbon monoxide.

b) The company shall install, operate, and maintain the non-selective catalytic reduction system in accordance with manufacturer's specifications as well as good air pollution control practices.

[From Plan Approval Number 24-136A, Section D, Condition #006.]

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In order to assure compliance with the emission limitations for this source, the permittee shall maintain and operate this source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

1) The replacement equipment is identical to the existing engine. Identical means the manufacturer, model number, horsepower rating and emissions are identical.

2) The replacement equipment is not identical to the existing engine, meaning the manufacturer, model number or horsepower may differ from the original. However, the emissions must be determined to be equal to or less than the original emissions.

b) The permittee shall notify the Department of their intention to replace an existing engine prior to installation. The notification shall include:

- 1) The nature of the breakdown or malfunction.
- 2) The equipment manufacturer, model number, and horsepower rating that is being installed, along with the approximate emissions.
- 3) The anticipated length of time the replacement equipment will be operational.

c) The original engine and the replacement engine shall not be operated simultaneously.

d) Permanent replacement of an engine will require the permittee going through the plan approval process.

e) A malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

SECTION D. Source Level Requirements

018 [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?

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

[From Table 2d]

9. Non-emergency, non-black start 4SRB stationary RICE less than or equal to 500 Hp

- a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first;*
- b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

*[Sources have the option to utilize an oil analysis program as described in §63.6625(j) in order to extend the specified oil change requirements in Table 2d of this subpart.]

[The requirements of 40 CFR 63.6625(j) are listed in the "Monitoring Requirements" section.]

(b) [Does not apply]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

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

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010]

020 [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?

(a) You must demonstrate continuous compliance with each operating limitation in Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[From Section 9 of Table 6]

9. Existing emergency and black start stationary RICE located at an area source of HAP, and 4SRB stationary RICE less than or equal to 500 HP located at an area source of HAP, complying with work or Management practices must demonstrate continuous compliance by performing the following.

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

SECTION D. Source Level Requirements

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.**# 021 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) The installation of the non-selective catalyst reduction system supercedes Condition #008, Source Level Requirements, Source 132, of Operating Permit 24-00136.
- b) In the event that the company removes the non-selective catalyst reduction system, the company shall:
- i. immediately retard the timing of the compressor engine by 4 degrees relative to standard ignition timing;
 - ii. immediately begin calculating the 12 month rolling sum of the hours of operation of Sources 132 & 133; and,
 - iii. immediately begin calculating the emissions of NOx from the facility to demonstrate compliance with the 99.9 tons per year NOx emission limit for the facility.

[From Plan Approval Number 24-136A, Section D, Condition #007.]

SECTION D. Source Level Requirements

Source ID: 133

Source Name: INGERSOLL RAND UNIT 6

Source Capacity/Throughput: 1,620.000 CF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The company shall limit the combined emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1 to 0.9 tons per year, calculated as a 12 month rolling sum.

b) The company shall limit the combined emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1 to 1.1 tons per year, calculated as a 12 month rolling sum.

[From Plan Approval Number 24-136A, Section E, Condition #001.]

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The following air contaminant emission limits are approved for the compressor engine.

i. Nitrogen Oxides (NO_x): 0.88 pounds per hour and 3.9 tons per year calculated as a 12 month rolling sum.

ii. Carbon Monoxide (CO): 1.67 pounds per hour and 7.3 tons per year calculated as a 12 month rolling sum.

[From Plan Approval Number 24-136A, Section D, Condition #002.]

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall use only natural gas as a fuel for this source.

II. TESTING REQUIREMENTS.

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

SECTION D. Source Level Requirements

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) The company shall, on a monthly basis, calculate the emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1.
- b) The company shall, on a monthly basis, calculate the emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1.

[From Plan Approval Number 24-136A, Section E, Condition #002.]

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- a) The company shall, on a monthly basis, monitor the amount of natural gas combusted in the compressor engine.
- b) The company shall, on a monthly basis, monitor the hours of operation of the compressor engine.
- c) The company shall, on a monthly basis, calculate the emissions of nitrogen oxides from the compressor engine.
- d) The company shall, on a monthly basis, calculate the emissions of carbon monoxide from the compressor engine.

[This condition supercedes, in part, Condition #006, Source Level Requirements, Source 133, of Operating Permit 24-00136.]

[From Plan Approval Number 24-136A, Section D, Condition #004.]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

(a) - (d) [Do not apply]

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

(8) An existing non-emergency, non-black start 4SRB stationary RICE with a site rating of less than or equal to 500 Hp located at an area source of HAP emissions.

(f) [Does not apply]

(g) [Does not apply]

(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.

(i) [Does not apply]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has

SECTION D. Source Level Requirements

changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

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

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

- a) The company shall keep a monthly record of the emissions of formaldehyde emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.
- b) The company shall keep a monthly record of the hazardous air pollutants emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

[From Plan Approval Number 24-136A, Section E, Condition #003.]

010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

- a) The company shall keep a copy of all performance test(s) that are required by this plan approval.
- b) The company shall, on a monthly basis, keep a record of the emissions of nitrogen oxides in order to demonstrate compliance with this plan approval.
- c) The company shall on a monthly basis, keep a record of the emissions of carbon monoxide in order to demonstrate compliance with this plan approval.
- d) The company shall keep a copy of the manufacturer's specifications of the non-selective catalytic reduction system.
- e) The company shall keep a record of the hours of operation of the compressor engine.

[This condition supercedes, in part, Condition #006, Source Level Requirements, Source 133, of Operating Permit 24-00136.]

[From Plan Approval Number 24-136A, Section D, Condition #005.]

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- a) The permittee shall, in the event of the removal of the non-selective catalyst reduction system, maintain a log of ignition timing settings for this engine.
- b) The permittee shall maintain a log of maintenance operations performed on this engine, for a period of five (5) years.
- c) The permittee shall maintain a log of the hours of operation for this source, detailing periods of start-up, shutdown,

SECTION D. Source Level Requirements

maintenance, and normal operation.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

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

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

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

(3) - (4) [Do not apply]

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

(b) - (c) [Do not apply]

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

[The requirements from Table 6 are listed in the "Work Practice Requirements" section under 40 CFR 63.6640.]

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

(1) [N/A]

(2) [N/A]

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

[The requirements from Table 2d are listed in the "Work Practice Requirements" section under 40 CFR 63.6603.]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

In what form and how long must I keep my records?

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

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

(c) You must keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

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

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

(b) [Does not apply]

(e) You must also report each instance in which you did not meet the requirements in Table 8 of this subpart that apply to you.

VI. WORK PRACTICE REQUIREMENTS.

015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The company shall install, operate and maintain the non-selective catalytic reduction system on the compressor engine in order to reduce the emissions of nitrogen oxides and carbon monoxide.

b) The company shall install, operate, and maintain the non-selective catalytic reduction system in accordance with manufacturer's specifications as well as good air pollution control practices.

[From Plan Approval Number 24-136A, Section D, Condition #006.]

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In order to assure compliance with the emission limitations for this source, the permittee shall maintain and operate this source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

1) The replacement equipment is identical to the existing engine. Identical means the manufacturer, model number, horsepower rating and emissions are identical.

2) The replacement equipment is not identical to the existing engine, meaning the manufacturer, model number or horsepower may differ from the original. However, the emissions must be determined to be equal to or less than the original emissions.

b) The permittee shall notify the Department of their intention to replace an existing engine prior to installation. The notification shall include:

- 1) The nature of the breakdown or malfunction.
- 2) The equipment manufacturer, model number, and horsepower rating that is being installed, along with the approximate emissions.
- 3) The anticipated length of time the replacement equipment will be operational.

c) The original engine and the replacement engine shall not be operated simultaneously.

d) Permanent replacement of an engine will require the permittee going through the plan approval process.

e) A malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

SECTION D. Source Level Requirements

018 [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?

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

[From Table 2d]

9. Non-emergency, non-black start 4SRB stationary RICE less than or equal to 500 Hp

- a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first;*
- b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

*[Sources have the option to utilize an oil analysis program as described in §63.6625(j) in order to extend the specified oil change requirements in Table 2d of this subpart.]

[The requirements of 40 CFR 63.6625(j) are listed in the "Monitoring Requirements" section.]

(b) [Does not apply]

019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

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

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010]

020 [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?

(a) You must demonstrate continuous compliance with each operating limitation in Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[From Section 9 of Table 6]

9. Existing emergency and black start stationary RICE located at an area source of HAP, and 4SRB stationary RICE less than or equal to 500 HP located at an area source of HAP, complying with work or Management practices must demonstrate continuous compliance by performing the following.

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

SECTION D. Source Level Requirements

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.**# 021 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- a) The installation of the non-selective catalyst reduction system supercedes Condition #008, Source Level Requirements, Source 133, of Operating Permit 24-00136.
- b) In the event that the company removes the non-selective catalyst reduction system, the company shall:
- i. immediately retard the timing of the compressor engine by 4 degrees relative to standard ignition timing;
 - ii. immediately begin calculating the 12 month rolling sum of the hours of operation of Sources 132 & 133; and,
 - iii. immediately begin calculating the emissions of NOx from the facility to demonstrate compliance with the 99.9 tons per year NOx emission limit for the facility.

[From Plan Approval Number 24-136A, Section D, Condition #007.]

SECTION D. Source Level Requirements

Source ID: 134

Source Name: WAUKESHA 1197 UNIT 7

Source Capacity/Throughput: 1,000.000 CF/HR

Natural Gas

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

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

002 [25 Pa. Code §123.21]**General**

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

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

a) The company shall limit the combined emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1 to 0.9 tons per year, calculated as a 12 month rolling sum.

b) The company shall limit the combined emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1 to 1.1 tons per year, calculated as a 12 month rolling sum.

[From Plan Approval Number 24-136A, Section E, Condition #001.]

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

This source shall use only natural gas as a fuel for this source.

II. TESTING REQUIREMENTS.

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

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

a) The company shall, on a monthly basis, calculate the emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1.

b) The company shall, on a monthly basis, calculate the emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1.

[From Plan Approval Number 24-136A, Section E, Condition #002.]

SECTION D. Source Level Requirements

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

(a) - (d) [Do not apply]

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

(8) An existing non-emergency, non-black start 4SRB stationary RICE with a site rating of less than or equal to 500 Hp located at an area source of HAP emissions.

(f) [Does not apply]

(g) [Does not apply]

(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.

(i) [Does not apply]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

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

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

a) The company shall keep a monthly record of the emissions of formaldehyde emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

b) The company shall keep a monthly record of the hazardous air pollutants emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

SECTION D. Source Level Requirements

[From Plan Approval Number 24-136A, Section E, Condition #003.]

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- a) The permittee shall maintain a log of ignition timing settings and maintenance operations performed on this engine, for a period of five (5) years.
- b) The permittee shall maintain a log of the hours of operation for this source, detailing periods of start-up, shutdown, maintenance, and normal operation.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

What records must I keep?

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

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

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

(3) - (4) [Do not apply]

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

(b) - (c) [Do not apply]

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

[The requirements from Table 6 are listed in the "Work Practice Requirements" section under 40 CFR 63.6640.]

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

(1) [N/A]

(2) [N/A]

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

[The requirements from Table 2d are listed in the "Work Practice Requirements" section under 40 CFR 63.6603.]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

In what form and how long must I keep my records?

SECTION D. Source Level Requirements

- (a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).
- (b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) You must keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]
Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
How do I demonstrate continuous compliance with the emission limitations and operating limitations?

- (b) [Does not apply]
- (e) You must also report each instance in which you did not meet the requirements in Table 8 of this subpart that apply to you.

VI. WORK PRACTICE REQUIREMENTS.

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

In order to assure compliance with the emission limitations for this source, the permittee shall maintain and operate this source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.

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

[Authority for this condition is also derived from 25 Pa Code, Section 129.91.]

This source shall maintain a 4 degree retard relative to standard ignition timing.

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

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

1) The replacement equipment is identical to the existing engine. Identical means the manufacturer, model number, horsepower rating and emissions are identical.

2) The replacement equipment is not identical to the existing engine, meaning the manufacturer, model number or horsepower may differ from the original. However, the emissions must be determined to be equal to or less than the original emissions.

b) The permittee shall notify the Department of their intention to replace an existing engine prior to installation. The notification shall include:

- 1) The nature of the breakdown or malfunction.
- 2) The equipment manufacturer, model number, and horsepower rating that is being installed, along with the approximate emissions.
- 3) The anticipated length of time the replacement equipment will be operational.

c) The original engine and the replacement engine shall not be operated simultaneously.

SECTION D. Source Level Requirements

d) Permanent replacement of an engine will require the permittee going through the plan approval process.

e) A malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

015 [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?

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

[From Table 2d]

9. Non-emergency, non-black start 4SRB stationary RICE less than or equal to 500 Hp

- a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first;*
- b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.

*[Sources have the option to utilize an oil analysis program as described in §63.6625(j) in order to extend the specified oil change requirements in Table 2d of this subpart.]

[The requirements of 40 CFR 63.6625(j) are listed in the "Monitoring Requirements" section.]

(b) [Does not apply]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

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

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010]

017 [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?

(a) You must demonstrate continuous compliance with each operating limitation in Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[From Section 9 of Table 6]

SECTION D. Source Level Requirements

9. Existing emergency and black start stationary RICE located at an area source of HAP, and 4SRB stationary RICE less than or equal to 500 HP located at an area source of HAP, complying with work or Management practices must demonstrate continuous compliance by performing the following.

- i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 135

Source Name: ONAN AUX GENERATOR G1

Source Capacity/Throughput: 600.000 CF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

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

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) The company shall limit the combined emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1 to 0.9 tons per year, calculated as a 12 month rolling sum.

b) The company shall limit the combined emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1 to 1.1 tons per year, calculated as a 12 month rolling sum.

[From Plan Approval Number 24-136A, Section E, Condition #001.]

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source shall use only natural gas as a fuel for this source.

Operation Hours Restriction(s).

005 [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?

(f) Requirements for emergency stationary RICE.

(1) If you own or operate an existing emergency stationary RICE located at an area source of HAP emissions, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1)(i) through (iii) of this section. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1)(i) through (iii) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1)(i) through (iii) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

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

(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing,

SECTION D. Source Level Requirements

provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity, except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph (f)(1)(iii), as long as the power provided by the financial arrangement is limited to emergency power.

006 Elective Restriction

This source shall not operate more than 500 hours during any consecutive twelve (12) month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

- The company shall, on a monthly basis, calculate the emissions of formaldehyde from compressor engines 1, 5, 6, 7, and G1.
- The company shall, on a monthly basis, calculate the emissions of hazardous air pollutants from compressor engines 1, 5, 6, 7, and G1.

[From Plan Approval Number 24-136A, Section E, Condition #002.]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

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

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

(a) - (d) [Do not apply]

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

(3) An existing emergency or black start stationary RICE located at an area source of HAP emissions.

(f) If you own or operate an existing emergency stationary RICE located at an area source of HAP emissions, you must

SECTION D. Source Level Requirements

install a non-resettable hour meter if one is not already installed.

(g) [Does not apply]

(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.

(i) [Does not apply]

(j) If you own or operate a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to this subpart or in items 5, 6, 7, 9, or 11 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(k) [Does not apply]

[69 FR page 33506, June 15, 2004, as amended at 73 FR page 3606, Jan. 18, 2008; 75 FR page 9676, Mar. 3, 2010; 75 FR page 51589, Aug. 20, 2010]

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Sufficient data shall be recorded so that compliance with the conditions in this Plan Approval can be determined. Records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

a) The company shall keep a monthly record of the emissions of formaldehyde emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

b) The company shall keep a monthly record of the hazardous air pollutants emitted by compressor engines 1, 5, 6, 7, and G1 in order to demonstrate compliance with this plan approval.

[From Plan Approval Number 24-136A, Section E, Condition #003.]

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) The permittee shall maintain a log of ignition timing settings and maintenance operations performed on this engine, for a period of five (5) years.

b) The permittee shall maintain a log of the hours of operation for this source, detailing periods of start-up, shutdown, maintenance, and normal operation.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]

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

SECTION D. Source Level Requirements

What records must I keep?

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

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

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

(3) - (4) [Do not apply]

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

(b) - (c) [Do not apply]

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

[The requirements from Table 6 are listed in the "Work Practice Requirements" section under 40 CFR 63.6640.]

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

(1) [N/A]

(2) An existing stationary emergency RICE.

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

[The requirements from Table 2d are listed in the "Work Practice Requirements" section under 40 CFR 63.6603.]

(f) You must keep records of the hours of operation of this engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]

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

In what form and how long must I keep my records?

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

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

(c) You must keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off-site for the remaining 3 years.

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

013 [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?

(b) [Does not apply]

(e) You must also report each instance in which you did not meet the requirements in Table 8 of this subpart that apply to you.

VI. WORK PRACTICE REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In order to assure compliance with the emission limitations for this source, the permittee shall maintain and operate this source in accordance with the manufacturer's specifications and in a manner consistent with good air pollution control practices.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this condition is also derived from 25 Pa Code, Section 129.91.]

This source shall maintain a 4 degree retard relative to standard ignition timing.

016 [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?

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

[From Table 2d]

5. Emergency stationary SI RICE

a. Change oil and filter every 500 hours of operation or annually, whichever comes first;*

b. Inspect spark plugs every 1000 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.

*[Sources have the option to utilize an oil analysis program as described in §63.6625(j) in order to extend the specified oil change requirements in Table 2d of this subpart.]

[The requirements of 40 CFR 63.6625(j) are listed in the "Monitoring Requirements" section.]

(b) [Does not apply]

017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]

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

What are my general requirements for complying with this subpart?

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

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels

SECTION D. Source Level Requirements

required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[69 FR page 33506, June 15, 2004, as amended at 75 FR page 9675, Mar. 3, 2010]

018 [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?

(a) You must demonstrate continuous compliance with each emission limitation and operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

[From Section 9 of Table 6]

9. Existing emergency and black start stationary RICE located at an area source of HAP, and 4SRB stationary RICE less than or equal to 500 HP located at an area source of HAP, complying with work or Management practices must demonstrate continuous compliance by performing the following.

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description			
001	MISC. PROCESS HEATERS (2)			
Emission Limit		Pollutant		
4.000	Lbs/MMBTU	SOX		
0.400	Lbs/MMBTU	TSP		
002	MISC. SPACE HEATERS			
Emission Limit		Pollutant		
4.000	Lbs/MMBTU	SOX		
0.400	Lbs/MMBTU	TSP		
131	INGERSOLL RAND UNIT 1			
Emission Limit		Pollutant		
0.900	Tons/Yr	12 month rolling sum of all engines	Formaldehyde	
1.100	Tons/Yr	12 month rolling sum of all engines	Hazardous Air Pollutants	
500.000	PPMV	SOX		
0.040	gr/DRY FT3	TSP		
132	INGERSOLL RAND UNIT 5			
Emission Limit		Pollutant		
1.670	Lbs/Hr	CO		
7.300	Tons/Yr	calculated as 12 month rolling sum	CO	
0.900	Tons/Yr	12 month rolling sum of all engines	Formaldehyde	
1.100	Tons/Yr	12 month rolling sum of all engines	Hazardous Air Pollutants	
0.880	Lbs/Hr	NOX		
3.900	Tons/Yr	calculated as 12 month rolling sum	NOX	
500.000	PPMV	SOX		
0.040	gr/DRY FT3	TSP		
133	INGERSOLL RAND UNIT 6			
Emission Limit		Pollutant		
1.670	Lbs/Hr	CO		
7.300	Tons/Yr	calculated as a 12 month rolling sum	CO	
0.900	Tons/Yr	12 month rolling sum of all engines	Formaldehyde	
1.100	Tons/Yr	12 month rolling sum of all engines	Hazardous Air Pollutants	
0.880	Lbs/Hr	NOX		
3.900	Tons/Yr	calculated as a 12 month rolling sum	NOX	
500.000	PPMV	SOX		
0.040	gr/DRY FT3	TSP		
134	WAUKESHA 1197 UNIT 7			
Emission Limit		Pollutant		
0.900	Tons/Yr	12 month rolling sum of all engines	Formaldehyde	
1.100	Tons/Yr	12 month rolling sum of all engines	Hazardous Air Pollutants	
500.000	PPMV	SOX		
0.040	gr/DRY FT3	TSP		

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
135	ONAN AUX GENERATOR G1		
Emission Limit			Pollutant
0.900	Tons/Yr	12 month rolling sum of all engines	Formaldehyde
1.100	Tons/Yr	12 month rolling sum of all engines	Hazardous Air Pollutants
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

The following is a list of Storage Tanks and a piece of equipment for which there are no applicable emission limitation, testing, monitoring, recordkeeping, or reporting requirements:

Tank # Material Stored Capacity (Gallons)

T1	Hydraulic Oil	100
T2	Drip Fluid	2000
T3	Ethylene Glycol	55
T4	Ethylene Glycol	55
T5	Ethylene Glycol	36
T6	Lube Oil	260

1 Hp Water Pump (Gas Powered)



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