



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: June 26, 2025

Effective Date: June 26, 2025

Expiration Date: May 31, 2030

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

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

**TITLE V Permit No: 43-00272**

Federal Tax Id - Plant Code: 74-1056569-2

**Owner Information**

Name: KINDER MORGAN INC  
Mailing Address: 1001 LOUISIANA ST STE 1000  
HOUSTON, TX 77002-5089

**Plant Information**

Plant: TENNESSEE GAS PIPELINE CO LLC/MERCER STA 219  
Location: 43 Mercer County 43922 Jefferson Township  
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

**Responsible Official**

Name: RONALD F MILLER  
Title: DIRECTOR OPERATIONS  
Phone: (724) 662 - 6422 Email: Ron\_Miller@kindermorgan.com

**Permit Contact Person**

Name: SAMANTHA HON  
Title: AIR PERMIT & COMPL SPEC  
Phone: (713) 420 - 6318 Email: Samantha\_Hon@kindermorgan.com

[Signature] \_\_\_\_\_  
LORI L. MCNABB, NORTHWEST REGION AIR PROGRAM MANAGER



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| Source ID | Source Name                                                | Capacity/Throughput |        | Fuel/Material |
|-----------|------------------------------------------------------------|---------------------|--------|---------------|
| 131       | 1-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42878  | 18.500              | MCF/HR | Natural Gas   |
| 132       | 2-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42879  | 18.500              | MCF/HR | Natural Gas   |
| 133       | 3-A, C-B,1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42880   | 18.500              | MCF/HR | Natural Gas   |
| 134       | 4-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42881  | 18.500              | MCF/HR | Natural Gas   |
| 135       | 5-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42882  | 18.500              | MCF/HR | Natural Gas   |
| 136       | 6-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42883  | 18.500              | MCF/HR | Natural Gas   |
| 137       | 7-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43302 | 25.500              | MCF/HR | Natural Gas   |
| 138       | 8-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43303 | 25.500              | MCF/HR | Natural Gas   |
| 139       | 9-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44311   | 25.500              | MCF/HR | Natural Gas   |
| 140       | 10-A, C-B,1350 HP, COOPER-BESSEMER GMV-10 ENG, SN 44685    | 25.500              | MCF/HR | Natural Gas   |
| 141       | 11-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44686  | 25.500              | MCF/HR | Natural Gas   |
| 142       | 12-A, C-B,1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44865   | 25.500              | MCF/HR | Natural Gas   |
| 143       | 13-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44866  | 25.500              | MCF/HR | Natural Gas   |
| 144       | 1-B, C-B, 5500 HP, COOPER-BESSEMER 16V-250 ENG, SN 46398   | 68.500              | MCF/HR | Natural Gas   |
| 148       | MISC NATURAL GAS USE                                       |                     |        |               |
| 151       | FUGITIVE MISC GAS LEAKAGE                                  |                     |        |               |
| 153       | PARTS WASHER MACHINE                                       |                     |        |               |
| 154       | BLOW DOWN EMISSIONS                                        |                     |        |               |
| 155       | TWO WATER JACKET HEATERS                                   | 7,237.000           | CF/HR  | NATURAL GAS   |
| 157       | 1468 BHP, CAT G3512, EMERG ENGINE, SN E2600244             | 9.700               | MCF/HR | Natural Gas   |
| F0001     | TENNESSEE GAS LINE                                         |                     |        |               |
| S01       | A1C STACK                                                  |                     |        |               |
| S02       | A2C STACK                                                  |                     |        |               |
| S03       | A3C STACK                                                  |                     |        |               |
| S04       | A4C STACK                                                  |                     |        |               |
| S05       | A5C STACK                                                  |                     |        |               |
| S06       | A6C STACK                                                  |                     |        |               |
| S07       | A7C STACK                                                  |                     |        |               |
| S08       | A8C STACK                                                  |                     |        |               |
| S09       | A9C STACK                                                  |                     |        |               |
| S10       | A10C STACK                                                 |                     |        |               |
| S11       | A11C STACK                                                 |                     |        |               |
| S12       | A12C STACK                                                 |                     |        |               |
| S13       | A13C STACK                                                 |                     |        |               |

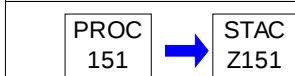
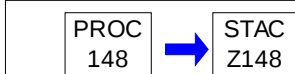
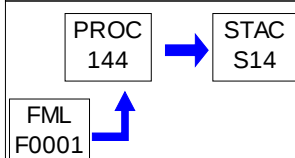
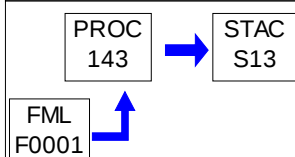
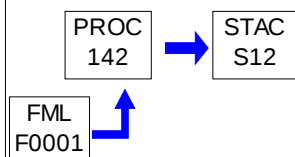
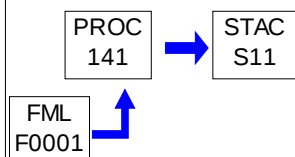
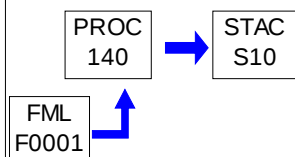
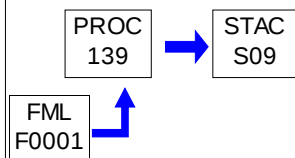
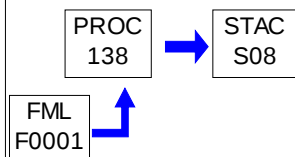
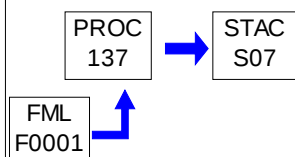
**SECTION A. Site Inventory List**

| Source ID | Source Name                         | Capacity/Throughput | Fuel/Material |
|-----------|-------------------------------------|---------------------|---------------|
| S14       | B1C STACK                           |                     |               |
| S155      | STACK FROM TWO WATER JACKET HEATERS |                     |               |
| S157      | EMERGENCY ENGINE STACK              |                     |               |
| Z148      | MISC. NATURAL GAS USE FUG           |                     |               |
| Z151      | NATURAL GAS LEAKS                   |                     |               |
| Z153      | FUGITIVE PARTS WASHER               |                     |               |
| Z154      | BLOW DOWN FUGITIVES                 |                     |               |

**PERMIT MAPS**



## PERMIT MAPS



**PERMIT MAPS**

PROC  
153 → STAC  
Z153

PROC  
154 → STAC  
Z154

PROC  
155 → STAC  
S155

PROC  
157 → STAC  
S157

FML  
F0001 ↗

**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

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

**#002 [25 Pa. Code § 121.7]****Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

**#003 [25 Pa. Code § 127.512(c)(4)]****Property Rights**

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

**#004 [25 Pa. Code § 127.446(a) and (c)]****Permit Expiration**

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

**#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]****Permit Renewal**

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

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

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

**#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]****Transfer of Ownership or Operational Control**

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

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

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

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

**SECTION B. General Title V Requirements**

the Department.

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

**#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]****Inspection and Entry**

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

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

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

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

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

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

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

**#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]****Compliance Requirements**

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

**#009 [25 Pa. Code § 127.512(c)(2)]****Need to Halt or Reduce Activity Not a Defense**

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

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

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

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

**#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]****Reopening and Revising the Title V Permit for Cause**

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

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

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

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

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

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

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

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

**#012 [25 Pa. Code § 127.543]****Reopening a Title V Permit for Cause by EPA**

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

**#013 [25 Pa. Code § 127.522(a)]****Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**#015 [25 Pa. Code §§ 121.1 & 127.462]****Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**#016 [25 Pa. Code § 127.450]****Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

**#017 [25 Pa. Code § 127.512(b)]****Severability Clause**

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

**#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]****Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

**SECTION B. General Title V Requirements**

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

**#019 [25 Pa. Code §§ 127.14(b) & 127.449]****Authorization for De Minimis Emission Increases**

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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 PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

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

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

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

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

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

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

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

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

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

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

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

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

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

**#020 [25 Pa. Code §§ 127.11a & 127.215]****Reactivation of Sources**

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

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

**#021 [25 Pa. Code §§ 121.9 & 127.216]****Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

**#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]****Submissions**

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

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

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

Enforcement & Compliance Assurance Division  
Air, RCRA and Toxics Branch (3ED21)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at [R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov).

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Not applicable.

(8) Not applicable.

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

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

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

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

(c) See work practice standard requirement.

(d) Not applicable.

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

A person shall 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 Permittee's property.

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

The Permittee shall 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 Permittee on whose land the source is being operated.

**SECTION C. Site Level Requirements****# 004 [25 Pa. Code §123.41]****Limitations**

The Permittee shall 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 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).
- (4) When arising from the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

**# 006 [25 Pa. Code §129.14]****Open burning operations**

- (a) Not applicable.
- (b) No person may permit the open burning of material in an area outside of air basins in a manner that:
  - (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
  - (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
  - (3) The emissions interfere with the reasonable enjoyment of life or property.
  - (4) The emissions cause damage to vegetation or property.
  - (5) The emissions are or may be deleterious to human or animal health.
- (c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:
  - (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
  - (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
  - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.

**SECTION C. Site Level Requirements**

(4) Not applicable.

(5) Not applicable.

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

(7) A fire set solely for cooking food.

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

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

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

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

(2) Not applicable.

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

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

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

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

[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 provision of Solid Waste Management Act.]

**II. TESTING REQUIREMENTS.**

**# 007 [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 emission fee, malfunctions, or determining compliance with any applicable requirements.

**III. MONITORING REQUIREMENTS.**

**# 008 [25 Pa. Code §123.43]**

**Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

**SECTION C. Site Level Requirements****# 009 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall conduct weekly monitoring of the facility property, during daylight hours while the facility is in operation, to observe for the presence of fugitive emissions and visible emissions being emitted into the outdoor atmosphere.

(b) All detected fugitive and visible emissions shall be reported to the shift supervisor.

**IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain a record of the monitoring conducted to determine the presence of fugitive and visible emissions.

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

**# 011 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

(a) Beginning with the compliance date specified in § 129.112(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable NO<sub>x</sub> emission rate threshold specified in § 129.114(b) and the requirements of § 129.112 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

(b) Beginning with the compliance date specified in § 129.112(a), the owner or operator of an air contamination source claiming that the air contamination source is exempt from the applicable VOC emission rate threshold specified in § 129.114(c) and the requirements of § 129.112 based on the air contamination source's potential to emit shall maintain records that demonstrate to the Department or appropriate approved local air pollution control agency that the air contamination source is not subject to the specified emission rate threshold.

[Paragraphs (a) and (b) of this condition are § 129.115(g) and (h), respectively.]

[In accordance with 25 Pa. Code § 129.111(c), Sources 148, 157, 153, and 154 are exempt from RACT III.]

[Compliance with the requirements of this streamlined permit condition also assures compliance with the requirements specified in 25 Pa. Code §§ 129.96(c) and 129.100(e) & (f).]

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

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code Section 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

**V. REPORTING REQUIREMENTS.****# 013 [25 Pa. Code §135.21]****Emission statements**

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

**SECTION C. Site Level Requirements**

by a company officer or the plant manager that the information contained in the statement is accurate.

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 014 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in Section C, Condition #001, above, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

[From: 25 Pa. Code §123.1(c)]

**VII. ADDITIONAL REQUIREMENTS.****# 015 [25 Pa. Code §127.14]****Exemptions.**

(a) The permittee may replace an existing engine (as described in this permit) 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. The replacement of the existing engines with non-identical equipment is authorized only if the emissions of each regulated pollutant from the replacement engine are equal to or less than the emissions of each such pollutant from the original engine.
- (3) The permittee shall not allow the simultaneous operation of the original and replacement equipment.
- (4) All emission limitations and other applicable requirements specified in the permit for the original equipment shall apply equally to the replacement equipment during the temporary operating period.

(b) The permittee shall notify the Department of their intention to replace an existing engine within one business day. The notification shall include:

- (1) The nature of the breakdown or malfunction.

**SECTION C. Site Level Requirements**

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

(d) For the purpose of this condition, the following terms are defined:

(1) Breakdown- any sudden and unavoidable failure of a source which prevents the operation of the source.

(2) Malfunction-any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process, which prevents operation in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

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

The permittee, within one hour of occurrence, shall notify the Department at (814) 332-6940 of any malfunction or the sources or associated air contamination devices which results in, or may possibly be resulting in, the emission of air contamination in excess of the limitaitons specified in, or established to, any applicable rule or regulation contained in this operating permit. A written report shall be submitted to the Department within two working days following the incident describing the malfunctions and corrective actions taken. All written reports shall be made in according to the reporting requirements contained in Section B of this permit.

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

**# 017 [25 Pa. Code §129.111]****Applicability**

(a) The NO<sub>x</sub> requirements of this section and §§ 129.112—129.115 apply Statewide to the owner and operator of a major NO<sub>x</sub> emitting facility and the VOC requirements of this section and §§ 129.112—129.115 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before August 3, 2018, for which a requirement or emission limitation, or both, has not been established in §§ 129.51, 129.52(a)—(k), and Table I categories 1-11, 129.52a—129.52e, 129.54—129.63a, 129.64—129.69, 129.71—129.75, 129.77, and 129.101—129.107.

[Source 153 is subject to § 129.63 and therefore exempt from RACT III.]

(b) [Not Applicable]

(c) Sections §§ 129.112—129.114 do not apply to the owner and operator of a NO<sub>x</sub> air contamination source that has the potential to emit less than 1 TPY of NO<sub>x</sub> located at a major NO<sub>x</sub> emitting facility or a VOC air contamination source that has the potential to emit less than 1 TPY of VOC located at a major VOC emitting facility.

[Sources 148 and 157 have NO<sub>x</sub> and VOC PTEs < 1 TPY.]

[Sources 154 and 155 have VOC PTE < 1 TPY.]

(d) - (e) [Not Applicable]

[Compliance with the requirements of this streamlined permit condition also assures compliance with the requirements specified in 25 Pa. Code §§ 129.96(a) and (c).]

**# 018 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

(a) The owner and operator of a source listed in one or more of subsections (b)—(k) located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.111 (relating to applicability) shall comply with the applicable presumptive RACT requirement or RACT emission limitation, or both, beginning with the specified compliance date as follows, unless an alternative compliance schedule is submitted and approved under subsections (n)—(p) or § 129.114 (relating to alternative RACT proposal and petition for alternative compliance schedule):

**SECTION C. Site Level Requirements**

(1) January 1, 2023, for a source subject to § 129.111(a).

(2) [Not Applicable]

(b) [Not Applicable]

(c) The owner and operator of a source listed in this subsection that is located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.111 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices.

[This presumptive RACT requirement is applicable to Source ID 155, Two Water Jacket Heaters, as specified in 129.112(c)(1) and Source ID 151, Fugitive Miscellaneous Gas Leakage, as specified in §§ 129.112(c)(3).]

(d) - (f) [Not Applicable]

(g) [The presumptive NO<sub>x</sub> and VOC RACT emission limits specified in §§ 129.112(g)(3)(ii)(A) and (g)(3)(ii)(B) are established for lean burn stationary internal combustion engines with a rating equal or greater than 3,500 bhp, and is applicable to Source ID 144, One (1) natural gas-fired 5,500 HP Cooper-Bessemer 16-V250 two-stroke lean burn (2SLB) reciprocating engine.]

(h) - (k) [Not Applicable]

(l) The requirements and emission limitations of this section supersede the requirements and emission limitations of a RACT permit issued to the owner or operator of an air contamination source subject to one or more of subsections (b)—(k) prior to November 12, 2022, under § § 129.91—129.95 (relating to stationary sources of NO<sub>x</sub> and VOCs) or under § § 129.96—129.100 (relating to additional RACT requirements for major sources of NO<sub>x</sub> and VOCs) to control, reduce or minimize NO<sub>x</sub> emissions or VOC emissions, or both, from the air contamination source unless the permit contains more stringent requirements or emission limitations, or both.

(m) The requirements and emission limitations of this section supersede the requirements and emission limitations of §§ 129.201—129.205, 129.301—129.310, 145.111—145.113 and 145.141—145.146 unless the requirements or emission limitations of § § 129.201—129.205, § § 129.301—129.310, § § 145.111—145.113 or § § 145.141—145.146 are more stringent.

(n) - (q) [Not Applicable]

[Compliance with the requirements of this streamlined permit condition also assures compliance with the requirements specified in 25 Pa. Code §§ 129.97.]

**VIII. COMPLIANCE CERTIFICATION.**

The permittee shall submit within thirty days of 12/31/2018 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 131

Source Name: 1-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42878

Source Capacity/Throughput:

18.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1100 HP COMPRESSORS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 132

Source Name: 2-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42879

Source Capacity/Throughput:

18.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1100 HP COMPRESSORS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 133

Source Name: 3-A, C-B,1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42880

Source Capacity/Throughput:

18.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1100 HP COMPRESSORS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 134

Source Name: 4-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42881

Source Capacity/Throughput:

18.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1100 HP COMPRESSORS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 135

Source Name: 5-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42882

Source Capacity/Throughput:

18.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1100 HP COMPRESSORS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 136

Source Name: 6-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42883

Source Capacity/Throughput:

18.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1100 HP COMPRESSORS

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 137

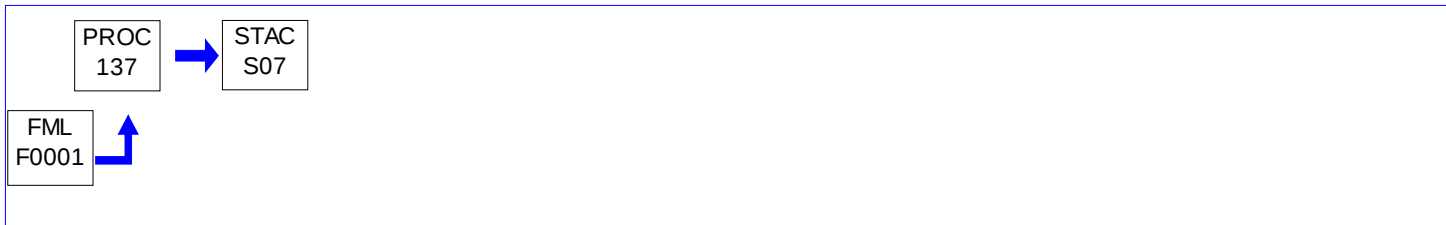
Source Name: 7-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43302

Source Capacity/Throughput:

25.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1350 HP COMPRESSORS (TYPE II)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 138

Source Name: 8-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43303

Source Capacity/Throughput:

25.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1350 HP COMPRESSORS (TYPE II)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

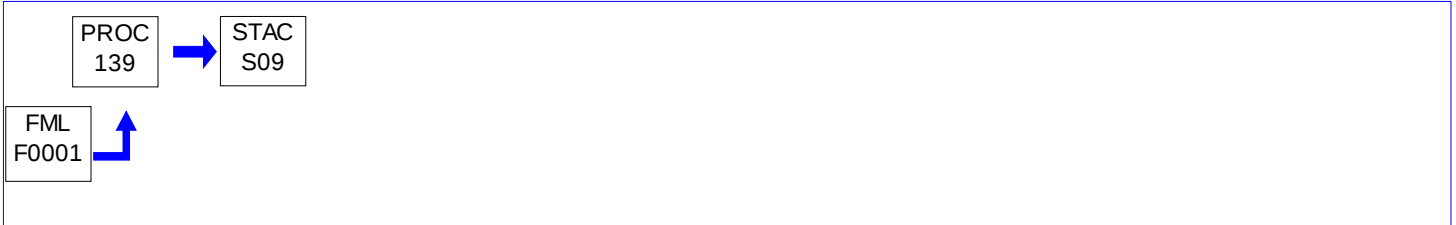
**SECTION D. Source Level Requirements**

Source ID: 139

Source Name: 9-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44311

Source Capacity/Throughput: 25.500 MCF/HR Natural Gas

Conditions for this source occur in the following groups: 1350 HP COMPRESSORS (TYPE I)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 140

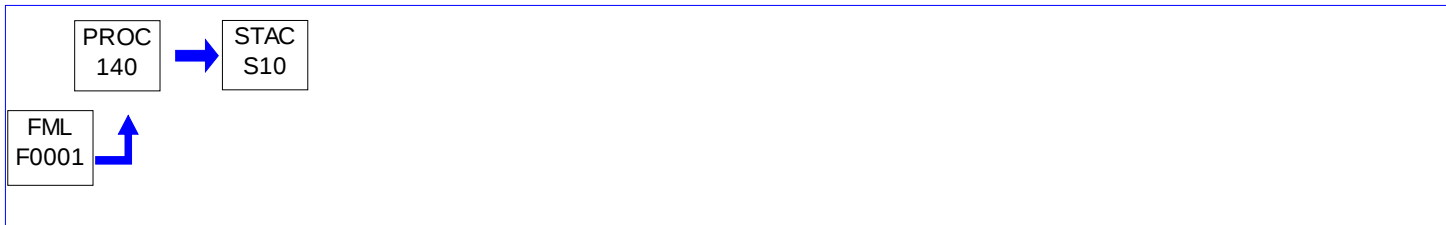
Source Name: 10-A, C-B,1350 HP, COOPER-BESSEMER GMV-10 ENG, SN 44685

Source Capacity/Throughput:

25.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1350 HP COMPRESSORS (TYPE I)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 141

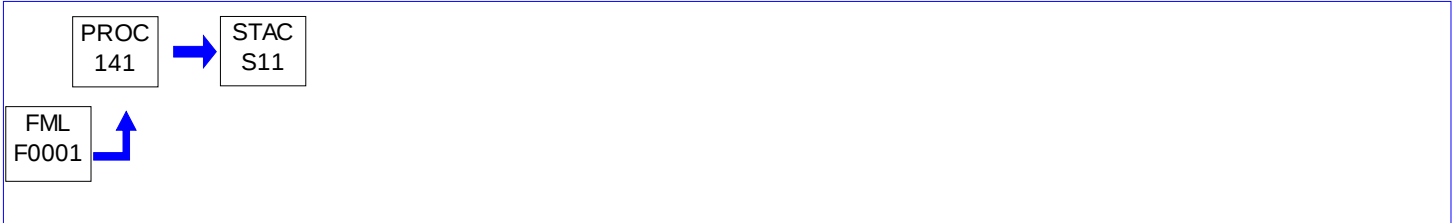
Source Name: 11-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44686

Source Capacity/Throughput:

25.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1350 HP COMPRESSORS (TYPE I)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 142

Source Name: 12-A, C-B,1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44865

Source Capacity/Throughput:

25.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1350 HP COMPRESSORS (TYPE I)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 143

Source Name: 13-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44866

Source Capacity/Throughput:

25.500 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 1350 HP COMPRESSORS (TYPE I)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

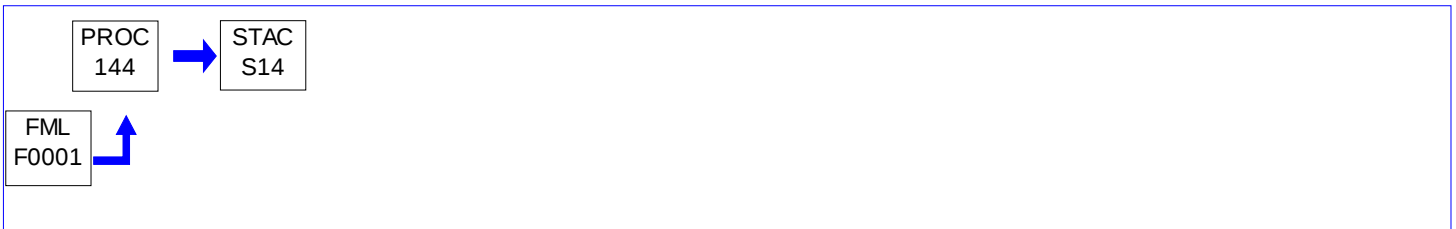
Source ID: 144

Source Name: 1-B, C-B, 5500 HP, COOPER-BESSEMER 16V-250 ENG, SN 46398

Source Capacity/Throughput:

68.500 MCF/HR

Natural Gas

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

The permittee may not permit the emission into the outdoor atmosphere of particulate matter from a process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The permittee shall not emit VOC in excess of:

- (1) 6.0 lb/hr (0.49 gram/bhp-hr); and
- (2) 26.3 tons per year based on a consecutive 12-month period

[Authority for this condition is also derived in 25 Pa. Code § 129.91 (i.e., Condition #10 of RACT OP 43-00272 issued on April 7, 1999). Compliance with this condition assures compliance with 25 Pa. Code §§ 129.97(g)(3)(i)(B) and 129.112(g)(3)(ii)(B).]

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

The permittee shall not permit the emission of Nitrogen Oxides (NO<sub>x</sub>) from the engine in excess of:

- (1) 0.6 gram/bhp-hr (7.28 lb/hr); and
- (2) 31.9 tons per year based on a consecutive 12-month period.

[Authority for this condition is also derived in 25 Pa. Code § 129.112(g)(3)(ii)(A). Compliance with this condition assures compliance with 25 Pa. Code § 129.97(g)(3)(i)(A) and RACT I's NO<sub>x</sub> limits.]

**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall use only pipeline quality natural gas as fuel for the source.

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

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

To demonstrate compliance with the RACT NO<sub>x</sub> and VOC emission limitations:

(a) The permittee shall perform monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) The tests shall be as close to 5 years apart as possible.

(c) At least ninety (90) days prior to the performance of the testing required by this permit, a test plan must be received by the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(d) The Department shall be given at least 10 days advance notice of the schedule dates for the performance of the testing required by this permit.

(e) Within sixty (60) days of the completion of the tests required by this permit, two copies of the test report must be received by the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis. The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

[Authority for this condition is also derived from 25 Pa. Code § 129.100(a)(4). Paragraph (a) of this condition is 25 Pa. Code § 129.100(a)(4) and paragraphs (b) to (e) are adapted from a semi-annual test requirement established through RACT I (25 Pa. Code §§ 129.91 to 129.95).]

**III. MONITORING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following operating parameters for the source:

(1) The number of hours operated per month, and

(2) The amount of fuel consumption per month.

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

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

[Authority for this condition is also derived from 25 Pa. Code § 129.115(f) and (k).]

(a) To demonstrate compliance with the RACT NO<sub>x</sub> and VOC emission limits, the permittee shall maintain comprehensive and accurate records of the following operating parameters for the source:

(1) The number of hours operated per month.

(2) The amount of fuel consumption per month.

(3) The test results and reports for the required source tests.

(b) The permittee shall keep monthly records of NO<sub>x</sub> and VOC emission totals from the engine. For each pollutant, the monthly emission total shall be added to the monthly emission totals from the previous eleven months to determine the

**SECTION D. Source Level Requirements**

current consecutive 12-month emission total.

(c) The records shall be retained by the permittee for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Compliance with the requirements contained in this streamlined permit condition also demonstrate compliance with the requirements contained in Condition #15 of RACT Operating Permit #OP-43-0272 issued on April 7, 1999, 25 Pa. Code §§ 129.91, 129.100(d) & (i), and 127.511.]

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

The permittee shall submit to the Department on an annual basis, records of the following operating parameters for the source:

- (1) The number of hours operated per month, and
- (2) The amount of fuel consumed per month, and
- (3) The test results and reports from the most current stack tests and the supporting calculations used to verify the NO<sub>x</sub> and VOC emissions from this source.
- (4) For NO<sub>x</sub> and VOC emissions, the consecutive 12-month emission totals calculated for each month since the previous report.
- (5) The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025 or the semi-annual test reports required for other compressor engines.

[Authority for this condition is also derived from 25 Pa. Code Sections §§ 129.91 and 127.511.]

**VI. WORK PRACTICE REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

[Compliance with this condition assures compliance with a work practice established through § 129.91 of RACT I and the control of VOC emissions from combustion units & combustion sources pursuant to § 129.97(d) of RACT II.]

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

The duration of start-up or shutdown shall not exceed one hour per occurrence.

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

If at any time the permittee causes, permits, or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations for the Department of Environmental Protection) of the aforementioned air contamination sources, the operation and use of which is authorized by RACT Operating Permit #43-00272 and this permit, the permit shall be suspended, and the permittee shall not thereafter continue to operate or use the associated air contamination sources.

[Condition #17 of RACT Operating Permit #43-00272 issued on April 7, 1999.]

**SECTION D. Source Level Requirements**

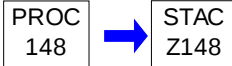
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 148

Source Name: MISC NATURAL GAS USE

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall install, operate, and maintain each miscellaneous natural gas source in accordance with the manufacturer's specifications and good air pollution control practices.

[Authority for this condition is also derived from 25 Pa. Code §§ 129.93 and 129.97(c)(1).]

**VII. ADDITIONAL REQUIREMENTS.**

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

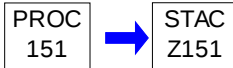
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 151

Source Name: FUGITIVE MISC GAS LEAKAGE

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall maintain records of maintenance performed for each source.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Authority for this condition is derived from 25 Pa. Code § 129.115(f) and (k).]

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is derived from 25 Pa. Code § 129.112(c)(3).]

This source shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

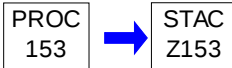
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 153

Source Name: PARTS WASHER MACHINE

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) Cold cleaning machines. Except for those subject to the Federal National emissions standards for hazardous air pollutants (NESHAP) for halogenated solvent cleaners under 40 CFR Part 63 (relating to National emission standards for hazardous air pollutants for source categories), this subsection applies to cold cleaning machines that use 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.

(1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.

(2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:

(i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following discretionary good operating practices:

(A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(B) Not Applicable

(C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

**SECTION D. Source Level Requirements**

(ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(4) After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(5) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(6) A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (5). An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(7) Paragraph (4) does not apply:

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

(b) Not Applicable

(c) Not Applicable

(d) Not Applicable

(e) Not Applicable

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

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

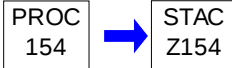
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 154

Source Name: BLOW DOWN EMISSIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.****# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

- (1) The permittee conducts blow down emissions prior to construction to evacuate the gas lines.
- (2) The permittee shall notify the Department of blow downs at least 24 hours prior to the evacuation of the line.
- (3) The permittee shall calculate the VOC emissions from the blow down for each event and report those emissions on a yearly basis through AIMS inventory reporting.

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain this source in accordance 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 (Title V General Requirements).

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

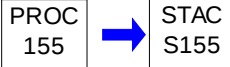
**SECTION D. Source Level Requirements**

Source ID: 155

Source Name: TWO WATER JACKET HEATERS

Source Capacity/Throughput: 7,237.000 CF/HR NATURAL GAS

Conditions for this source occur in the following groups: 63 SUBPART DDDDD

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall maintain records of maintenance performed for each source.

(b) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Authority for this condition is also derived from 25 Pa. Code §§ 129.100(d) & (i) and 129.115(f) and (k).]

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control practices.

[Authority for this permit condition is derived from 25 Pa. Code §§ 129.97(c)(3) and 129.112(c)(1).]

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

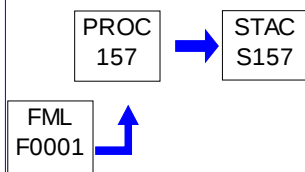
Source ID: 157

Source Name: 1468 BHP, CAT G3512, EMERG ENGINE, SN E2600244

Source Capacity/Throughput:

9.700 MCF/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 excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4233(e), Table 1 and 60.4234.]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the engine of this emergency generator set does not exceed the following emission standards, for the entire life of the engine:

NO<sub>x</sub>: 2.0 g/HP-hr, and 160 ppmvd @ 15% O<sub>2</sub>

CO: 4.0 g/HP-hr, and 540 ppmvd @ 15% O<sub>2</sub>

VOCs: 1.0 g/HP-hr, and 86 ppmvd @ 15% O<sub>2</sub> [VOCs exclude formaldehyde.]

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

The permittee shall use only pipeline quality natural gas as a fuel for this source.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following operating parameters for this emergency generator set:

(a) The type(s) of operation, on an operating day basis.

**SECTION D. Source Level Requirements**

(b) The following hours of operation, on an operating day basis:

- (1) The hours of operation for each type of operation.
- (2) The total hours of operation.

(c) The amount of natural gas consumed by the engine of the emergency generator set on a monthly basis.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.4245(a)(3).]

The permittee shall maintain records of the manufacturer's emission-related written instructions (or operating manual) for the engine of this emergency generator set, including documentation that the engine is certified to meet the applicable emission standards specified in 40 CFR § 60.4233(e), Table 1.

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.4245(a)(2).]

The permittee shall maintain records of all maintenance performed for this emergency generator set. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain records of the following operating parameters for this emergency generator set:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation:
  - (1) The hours of operation for each type of operation, on an operating day, monthly, and annual basis.
  - (2) The total hours of operation, on an operating day, monthly, and 12-month rolling basis.
- (c) The amount of natural gas consumed by the engine of the emergency generator set on a monthly and 12-month rolling basis.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.4243(b)(1).]

(a) The permittee shall ensure that the engine of this emergency generator set is certified to meet the applicable emission standards specified in 40 CFR § 60.4233(e), Table 1; and is configured, operated, and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, as applicable, and in accordance with the manufacturer's specifications and emission-related written instructions.

**SECTION D. Source Level Requirements**

(b) The permittee shall not change any emission-related settings on the engine except those that are permitted by the manufacturer.

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.4243(d).]

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this condition. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

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

(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (d)(2)(i) of this condition for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii)-(iii) [Reserved]

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (d)(2) of this condition. Except as provided in paragraph (d)(3)(i) of this condition, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The engine of the emergency generator set is subject to, and shall comply with all applicable requirements of, 40 CFR Part 60, Subpart JJJJ.

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

**SECTION E. Source Group Restrictions.**

Group Name: 1100 HP COMPRESSORS

Group Description: 1100 HP Compressors' Requirements

Sources included in this group

| ID  | Name                                                      |
|-----|-----------------------------------------------------------|
| 131 | 1-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42878 |
| 132 | 2-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42879 |
| 133 | 3-A, C-B,1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42880  |
| 134 | 4-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42881 |
| 135 | 5-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42882 |
| 136 | 6-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42883 |

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code § 129.112(g)(3)(i)(B).]

The permittee shall not permit the emission of Volatile Organic Compounds (VOCs) from each engine in excess of 0.5 gram/bhp-hr, excluding formaldehyde (1.21 lb/hr, excluding formaldehyde).

[Compliance with the requirements in this streamlined permit condition also assures compliance with the requirements specified in 25 Pa. Code § 129.97(g)(3)(i)(B).]

**# 004 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code § 129.114(a).]

The permittee shall not permit the emission of Nitrogen Oxides (NO<sub>x</sub>) from each engine in excess of:

- (1) 9.3 gram/bhp-hr (22.6 lb/hr); and
- (2) 98.7 tons per year based on a consecutive 12-month period.

[Additional authority for this streamlined permit condition is derived from 25 Pa. Code § 129.99(a), and from RACT 43-000-272 issued on April 27, 2018. Compliance with this condition also assures compliance with RACT I's NO<sub>x</sub> limits.]

**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall use only pipeline quality natural gas as fuel for each source.

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

**SECTION E. Source Group Restrictions.****II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is also derived from 25 Pa. Code §§ 129.114(a) and 129.115(b)(6).]

[Testing Requirements for alternative NOx RACT Requirements.]

(a) The permittee shall demonstrate compliance with the alternative NOx RACT emission limit by performing an emissions source test approved by the Department that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) Semi-annual tests.

(i) The permittee shall perform semi-annual stack tests on each engine that operates more than 219 hours using a portable exhaust gas analyzer which has been approved by the Department. The results from these tests shall be used to demonstrate compliance with the NOx emissions limits established for each source. The permittee is not required to conduct a semi-annual test on a source which does not operate during the semi-annual period.

(ii) Semi-annual tests shall be performed during the periods of January 1 through June 30 and July 1 through December 31 of each year. The tests shall be as close to six months apart as possible.

(iii) The permittee shall submit a test protocol for the semi-annual testing prior to the initial testing during each permit term (once every 5 years) unless otherwise notified by the Department.

(c) At least ninety (90) days prior to the performance of the testing required by this permit, a test plan must be received by the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(d) The Department shall be given at least 10 days advance notice of the schedule dates for the performance of the testing required by this permit.

(e) Within thirty (30) days of the completion of the tests required by this permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis. The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

(f) The Department reserves the right to require stack tests performed in accordance with 25 Pa. Code Chapter 139 and U.S. EPA reference test methods.

[Authority for this condition is also derived from 25 Pa. Code §§ 129.99(a). From RACT 43-000-272 issued on April 27, 2018. Semi-annual testing requirement language is adapted from the RACT I permit.]

**# 007 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

[Authority for this condition is derived from 25 Pa. Code § and 129.115(b)(6).]

[Testing Requirements for presumptive VOC RACT Requirements]

To demonstrate compliance with the RACT VOC emission limitations:

(a) The permittee shall perform monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) The tests shall be as close to 5 years apart as possible.

(c) At least ninety (90) days prior to the performance of the testing required by this permit, a test plan must be received by

**SECTION E. Source Group Restrictions.**

the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(d) The Department shall be given at least 10 days advance notice of the schedule dates for the performance of the testing required by this permit.

(e) Within sixty (60) days of the completion of the tests required by this permit, two copies of the test report must be received the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis. The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

[Compliance with the requirements in paragraph (a) of this streamlined permit condition also assures compliance with the requirements in 25 Pa. Code § 129.100(a)(4) and compliance with paragraphs (b) to (e) with the semi-annual test requirement established in RACT I (25 Pa. Code §§ 129.91 to 129.95).]

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

The permittee shall monitor the following operating parameters for each source:

- (1) The number of hours operated per month, and
- (2) The amount of fuel consumption per month.

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

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

[Authority for this condition is derived from 25 Pa. Code 129.115(f) & (k).]

(a) To demonstrate compliance with the RACT NO<sub>x</sub> and VOC emission limits, the permittee shall maintain comprehensive and accurate records of the following operating parameters for each source:

- (1) The number of hours operated per month.
- (2) The amount of fuel consumption per month.
- (3) The test results and reports for the required source tests: the semi-annual portable analyzer test for NO<sub>x</sub> emission; and the once per 5-year calendar period test for VOC emission.
- (4) The ignition timing settings from performance analyses performed on each engine.

(b) The permittee shall keep monthly records of NO<sub>x</sub> and VOC emission totals from each engine. For each pollutant, the monthly emission total shall be added to the monthly emission totals from the previous eleven months to determine the current consecutive 12-month emission total.

(c) The records shall be retained by the permittee for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Authority for this condition is also derived from 25 Pa. Code §§ 129.91, 129.100(d) & (i), and 127.511.]

[Compliance with the requirements contained in this streamlined permit condition also demonstrates compliance with the requirements contained in Condition #15 of RACT Operating Permit #OP-43-0272 issued on April 7, 1999.]

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department on a semi-annual basis, records of the following operating parameters for each source:

- (1) The number of hours operated per month, and
- (2) The amount of fuel consumed per month, and
- (3) The test results and reports from the most current semi-annual portable analyzer test and the supporting calculations used to verify the Nitrogen Oxides (NOx) emissions from this source.
- (4) The consecutive 12 month NOx emission totals calculated for each month since the previous semi-annual report.
- (5) The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

[Authority for this condition is also derived from 25 Pa. Code Sections §§ 129.91 and 127.511.]

**VI. WORK PRACTICE REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

[Compliance with this condition assures compliance with a work practice established through § 129.91 of RACT I, and the control of VOC emissions from combustion units & combustion sources pursuant to §§ 129.97(d) of RACT II.]

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

The duration of start-up or shutdown shall not exceed one hour per occurrence.

**# 013 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code Section § 129.114(a).]

- (a) The permittee shall set and maintain the ignition timing of each of the engines within the range of 4° to 8° before top dead center.
- (b) The igniting timing range specified in paragraph (a) of this condition applies at all times of operation except during startup, shutdown, or malfunction.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.99(a).]

**VII. ADDITIONAL REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

If at any time the permittee causes, permits, or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations for the Department of Environmental Protection) of the aforementioned air contamination sources, the operation and use of which is authorized by RACT Operating Permit #43-00272 and this permit, the permit shall be suspended, and the permittee shall not thereafter continue to operate or use the associated air contamination sources.

[Condition #17 of RACT Operating Permit #43-00272 issued on April 7, 1999.]

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

**SECTION E. Source Group Restrictions.**

Group Name: 1350 HP COMPRESSORS (TYPE I)

Group Description: 1350 HP Compressors' (Type I) Requirements

Sources included in this group

| ID  | Name                                                      |
|-----|-----------------------------------------------------------|
| 139 | 9-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44311  |
| 140 | 10-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10 ENG, SN 44685  |
| 141 | 11-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44686 |
| 142 | 12-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44865 |
| 143 | 13-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44866 |

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code § 129.112(g)(3)(i)(B).]

The permittee shall not permit the emission of Volatile Organic Compounds (VOCs) from each engine in excess of 0.5 gram/bhp-hr, excluding formaldehyde (1.49 lb/hr, excluding formaldehyde).

[Additional authority for this condition is also derived from 25 Pa. Code § 129.97(g)(3)(i)(B).]

**# 004 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code § 129.114(a).]

(a) The permittee shall not permit the emission of Nitrogen Oxides (NO<sub>x</sub>) from each engine in excess of:

- (1) 8.8 gram/bhp-hr (26.2 lb/hr); and
- (2) 114.6 tons per year based on a consecutive 12-month period.

[Additional authority for this condition is also derived from 25 Pa. Code §§ 129.99(a). From RACT 43-000-272 issued on April 27, 2018. Compliance with this condition also assures compliance with RACT I's NO<sub>x</sub> limits.]

**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall use only pipeline quality natural gas as fuel for each source.

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

**SECTION E. Source Group Restrictions.****II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is also derived from 25 Pa. Code §§ 129.114(a) and 129.115(b)(6).]

[Testing Requirements for alternative NOx RACT Requirements.]

(a) The permittee shall demonstrate compliance with the alternative NOx RACT emission limit by performing an emissions source test approved by the Department that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) Semi-annual tests.

(i) The permittee shall perform semi-annual stack tests on each engine that operates more than 219 hours using a portable exhaust gas analyzer which has been approved by the Department. The results from these tests shall be used to demonstrate compliance with the NOx emissions limits established for each source. The permittee is not required to conduct a semi-annual test on a source which does not operate during the semi-annual period.

(ii) Semi-annual tests shall be performed during the periods of January 1 through June 30 and July 1 through December 31 of each year. The tests shall be as close to six months apart as possible.

(iii) The permittee shall submit a test protocol for the semi-annual testing prior to the initial testing during each permit term (once every 5 years) unless otherwise notified by the Department.

(c) At least ninety (90) days prior to the performance of the testing required by this permit, a test plan must be received by the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(d) The Department shall be given at least 10 days advance notice of the schedule dates for the performance of the testing required by this permit.

(e) Within thirty (30) days of the completion of the tests required by this permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis. The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

(f) The Department reserves the right to require stack tests performed in accordance with 25 Pa. Code Chapter 139 and U.S. EPA reference test methods.

[Authority for this condition is also derived from 25 Pa. Code §§ 129.99(a). From RACT 43-000-272 issued on April 27, 2018. Semi-annual testing requirement language is adapted from the RACT I permit.]

**# 007 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

[Authority for this condition is derived from 25 Pa. Code § and 129.115(b)(6).]

[Testing for presumptive VOC RACT Requirements]

To demonstrate compliance with the RACT VOC emission limitations:

(a) The permittee shall perform monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) The tests shall be as close to 5 years apart as possible.

(c) At least ninety (90) days prior to the performance of the testing required by this permit, a test plan must be received by

**SECTION E. Source Group Restrictions.**

the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(d) The Department shall be given at least 10 days advance notice of the schedule dates for the performance of the testing required by this permit.

(e) Within sixty (60) days of the completion of the tests required by this permit, two copies of the test report must be received by the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis. The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

[Additional authority for this condition is also derived from 25 Pa. Code § and 129.100(a)(4). Paragraph (a) of this streamlined permit condition is 25 Pa. Code § and 129.100(a)(4) and paragraphs (b) to (e) are adapted from a semi-annual test requirement established through RACT I (25 Pa. Code §§ 129.91 to 129.95).]

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

The permittee shall monitor the following operating parameters for each source:

- (1) The number of hours operated per month, and
- (2) The amount of fuel consumption per month.

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

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

[Authority for this condition is derived from 25 Pa. Code § 129.115(f) and (k).]

(a) To demonstrate compliance with the RACT NO<sub>x</sub> and VOC emission limits, the permittee shall maintain comprehensive and accurate records of the following operating parameters for each source:

- (1) The number of hours operated per month.
- (2) The amount of fuel consumption per month.
- (3) The test results and reports for the required source tests: the semi-annual portable analyzer test for NO<sub>x</sub> emission; and the once per 5-year calendar period test for VOC emission.
- (4) The ignition timing settings from performance analyses performed on each engine.

(b) The permittee shall keep monthly records of NO<sub>x</sub> and VOC emission totals from each engine. For each pollutant, the monthly emission total shall be added to the monthly emission totals from the previous eleven months to determine the current consecutive 12-month emission total.

(c) The records shall be retained by the permittee for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Additional authority for this condition is also derived from 25 Pa. Code §§ 129.91, 129.100(d) & (i), and 127.511.]

[Compliance with the requirements contained in this streamlined permit condition also demonstrates compliance with the requirements contained in Condition #15 of RACT Operating Permit #OP-43-0272 issued on April 7, 1999.]

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department on a semi-annual basis, records of the following operating parameters for each source:

- (1) The number of hours operated per month, and
- (2) The amount of fuel consumed per month, and
- (3) The test results and reports from the most current semi-annual portable analyzer test and the supporting calculations used to verify the Nitrogen Oxides (NOx) emissions from this source.
- (4) The consecutive 12 month NOx emission totals calculated for each month since the previous semi-annual report.
- (5) The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

[Authority for this condition is also derived from 25 Pa. Code Sections §§ 129.91 and 127.511.]

**VI. WORK PRACTICE REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

[Compliance with this condition assures compliance with a work practice established through § 129.91 of RACT I, and the control of VOC emissions from combustion units & combustion sources pursuant to §§ 129.97(d) of RACT II and 129.112(d) of RACT III.]

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

The duration of start-up or shutdown shall not exceed one hour per occurrence.

**# 013 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code Section § 129.114(a).]

- (a) The permittee shall set and maintain the ignition timing of each of the engines within the range of 6° to 10° before top dead center.
- (b) The igniting timing range specified in paragraph (a) of this condition applies at all times of operation except during startup, shutdown, or malfunction.

[Additional authority for this condition is also derived from 25 Pa. Code § 129.99(a).]

**VII. ADDITIONAL REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

If at any time the permittee causes, permits, or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations of the Department of Environmental Protection) of the aforementioned air contamination sources, the operation and use of which is authorized by RACT Operating Permit #43-00272 and this permit, the permit shall be suspended, and the permittee shall not thereafter continue to operate or use the associated air contamination sources.

[Condition #17 of RACT Operating Permit #43-00272 issued on April 7, 1999.]

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

**SECTION E. Source Group Restrictions.**

Group Name: 1350 HP COMPRESSORS (TYPE II)

Group Description: 1350 HP Compressors' (Type II) Requirements

Sources included in this group

| ID  | Name                                                       |
|-----|------------------------------------------------------------|
| 137 | 7-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43302 |
| 138 | 8-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43303 |

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any process in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**# 003 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code § 129.112(g)(3)(i)(B).]

The permittee shall not permit the emission of Volatile Organic Compounds (VOCs) from each engine in excess of 0.5 gram/bhp-hr, excluding formaldehyde (1.49 lb/hr, excluding formaldehyde).

[Additional authority for this condition is also derived from 25 Pa. Code § 129.97(g)(3)(i)(B).]

**# 004 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is derived from 25 Pa. Code § 129.114(a)]

(a) The permittee shall not permit the emission of Nitrogen Oxides (NO<sub>x</sub>) from each engine in excess of:

- (1) 4.0 gram/bhp-hr (11.9 lb/hr); and
- (2) 52.1 tons per year based on a consecutive 12-month period.

[Additional authority for this condition is also derived from 25 Pa. Code §§ 129.99(a). From RACT 43-000-272 issued on April 27, 2018. Compliance with this condition also assures compliance with RACT I's NO<sub>x</sub> limits.]

**Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall use only pipeline quality natural gas as fuel for each source.

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

**II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §129.114]****Alternative RACT proposal and petition for alternative compliance schedule**

[Authority for this condition is also derived from 25 Pa. Code §§ 129.114(a) and 129.115(b)(6).]

**SECTION E. Source Group Restrictions.**

[Testing Requirements for alternative NO<sub>x</sub> RACT Requirements.]

(a) The permittee shall demonstrate compliance with the alternative NO<sub>x</sub> RACT emission limit by performing an emissions source test approved by the Department that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) Semi-annual tests.

(i) The permittee shall perform semi-annual stack tests on each engine that operates more than 219 hours using a portable exhaust gas analyzer which has been approved by the Department. The results from these tests shall be used to demonstrate compliance with the NO<sub>x</sub> emissions limits established for each source. The permittee is not required to conduct a semi-annual test on a source which does not operate during the semi-annual period.

(ii) Semi-annual tests shall be performed during the periods of January 1 through June 30 and July 1 through December 31 of each year. The tests shall be as close to six months apart as possible.

(iii) The permittee shall submit a test protocol for the semi-annual testing prior to the initial testing during each permit term (once every 5 years) unless otherwise notified by the Department.

(c) At least ninety (90) days prior to the performance of the testing required by this permit, a test plan must be received by the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(d) The Department shall be given at least 10 days advance notice of the schedule dates for the performance of the testing required by this permit.

(e) Within thirty (30) days of the completion of the tests required by this permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis. The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

(f) The Department reserves the right to require stack tests performed in accordance with 25 Pa. Code Chapter 139 and U.S. EPA reference test methods.

[Authority for this condition is also derived from 25 Pa. Code §§ 129.99(a). From RACT 43-000-272 issued on April 27, 2018. Semi-annual testing requirement language is adapted from the RACT I permit.]

**# 007 [25 Pa. Code §129.115]**

**Written notification, compliance demonstration and recordkeeping and reporting requirements**

[Authority for this condition is derived from 25 Pa. Code § and 129.115(b)(6).]

[Testing for presumptive VOC RACT Requirements]

To demonstrate compliance with the RACT VOC emission limitations:

(a) The permittee shall perform monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

(b) The tests shall be as close to 5 years apart as possible.

(c) At least ninety (90) days prior to the performance of the testing required by this permit, a test plan must be received by the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations.

(d) The Department shall be given at least 10 days advance notice of the schedule dates for the performance of the testing required by this permit.

**SECTION E. Source Group Restrictions.**

(e) Within sixty (60) days of the completion of the tests required by this permit, two copies of the test report must be received by the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis. The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

[Authority for this condition is also derived from 25 Pa. Code § and 129.100(a)(4). Paragraph (a) of this streamlined permit condition is 25 Pa. Code § and 129.100(a)(4) and paragraphs (b) to (e) are adapted from a semi-annual test requirement established through RACT I (25 Pa. Code §§ 129.91 to 129.95).]

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

The permittee shall monitor the following operating parameters for each source:

- (1) The number of hours operated per month, and
- (2) The amount of fuel consumption per month.

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

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

[Authority for this condition is derived from 25 Pa. Code § 129.115(f) & (k).]

(a) To demonstrate compliance with the RACT NO<sub>x</sub> and VOC emission limits, the permittee shall maintain comprehensive and accurate records of the following operating parameters for each source:

- (1) The number of hours operated per month.
- (2) The amount of fuel consumption per month.
- (3) The test results and reports for the required source tests: the semi-annual portable analyzer test for NO<sub>x</sub> emission; and the once per 5-year calendar period test for VOC emission.

(b) The permittee shall keep monthly records of NO<sub>x</sub> and VOC emission totals from each engine. For each pollutant, the monthly emission total shall be added to the monthly emission totals from the previous eleven months to determine the current consecutive 12-month emission total.

(c) The records shall be retained by the permittee for 5 years and made available to the Department or appropriate approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

[Additional authority for this condition is also derived from 25 Pa. Code §§ 129.91, 129.100(d) & (i), and 127.511.]

[Compliance with the requirements contained in this streamlined permit condition also demonstrates compliance with the requirements contained in Condition #15 of RACT Operating Permit #OP-43-0272 issued on April 7, 1999.]

**V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department on a semi-annual basis, records of the following operating parameters for each source:

- (1) The number of hours operated per month, and

**SECTION E. Source Group Restrictions.**

(2) The amount of fuel consumed per month, and

(3) The test results and reports from the most current semi-annual portable analyzer test and the supporting calculations used to verify the Nitrogen Oxides (NOx) emissions from this source.

(4) The consecutive 12 month NOx emission totals calculated for each month since the previous semi-annual report.

(5) The reporting requirements in this condition may be satisfied by including the information with the semi-annual report required by Section B, Condition #025.

[Authority for this condition is also derived from 25 Pa. Code Sections §§ 129.91 and 127.511.]

**VI. WORK PRACTICE REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

[Compliance with this condition assures compliance with a work practice established through § 129.91 of RACT I, and the control of VOC emissions from combustion units & combustion sources pursuant to §§ 129.97(d) of RACT II and 129.112(d) of RACT III.]

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

The duration of start-up or shutdown shall not exceed one hour per occurrence.

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

If at any time the permittee causes, permits, or allows any modification (as that term is defined in Chapter 121 of Title 25, the Rules and Regulations of the Department of Environmental Protection) of the aforementioned air contamination sources, the operation and use of which is authorized by RACT Operating Permit #43-00272 and this permit, the permit shall be suspended, and the permittee shall not thereafter continue to operate or use the associated air contamination sources.

[Condition #17 of RACT Operating Permit #43-00272 issued on April 7, 1999.]

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

**SECTION E. Source Group Restrictions.**

Group Name: 63 SUBPART DDDDD

Group Description: NESHAP for Boilers and Process Heaters at Major HAP Sources

**Sources included in this group**

| ID  | Name                     |
|-----|--------------------------|
| 155 | TWO WATER JACKET HEATERS |

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) 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 or semiannual compliance report that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2)-(3) [Not applicable]

(b)-(h) [Not applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7185, Jan. 31, 2013; 80 FR 72816, Nov. 20, 2015; 87 FR 60846, Oct. 6, 2022]

**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****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 on site, or they must be accessible from on site (for example, through a computer network), 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.****# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b)

**SECTION E. Source Group Restrictions.**

through (h) that apply to you by the dates specified.

(b)-(d) [Not applicable]

(e) If you are required to conduct an initial compliance demonstration as specified in §63.7530, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii). For the initial compliance demonstration for each boiler or process heater, you must submit the Notification of Compliance Status, including all performance test results and fuel analyses, before the close of business on the 60th day following the completion of all performance test and/or other initial compliance demonstrations for all boiler or process heaters at the facility according to §63.10(d)(2). The Notification of Compliance Status report must contain all the information specified in paragraphs (e)(1) through (8) of this section, as applicable. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b).

(1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under § 241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of § 241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(2)-(5) [Not applicable]

(6) A signed certification that you have met all applicable emission limits and work practice standards.

(7) If you had a deviation from any emission limit, work practice standard, or operating limit, you must also submit a description of the deviation, the duration of the deviation, and the corrective action taken in the Notification of Compliance Status report.

(8) In addition to the information required in § 63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi)."

(ii) "This facility has had an energy assessment performed according to § 63.7530(e)."

(iii) [Not Applicable]

(f)-(h) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7183, Jan. 31, 2013; 80 FR 72814, Nov. 20, 2015; 85 FR 73913, Nov. 19, 2020; 85 FR 84262, Dec. 28, 2020; 87 FR 60846, Oct. 6, 2022]

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

(a) You must submit each report in Table 9 to this subpart that applies to you.

[From: Table 9 to Subpart DDDDD of Part 63 - Reporting Requirements]

THE PERMITEE MUST SUBMIT A:

(1) Compliance report.

THE REPORT MUST CONTAIN:

(a) Information required in § 63.7550(c)(1) through (5); and,

(b) - (d) [Not Applicable]

THE PERMITEE MUST SUBMIT THE REPORT:

Biennially, or every 5 years according to the requirements in § 63.7550(b).

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(b) Unless the EPA Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct subsequent annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(1) The first semi-annual compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on June 30 or December 31, whichever date is the first date that occurs at least 180 days after the compliance date that is specified for your source in §63.7495. If submitting an annual, biennial, or 5-year compliance report, the first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on December 31 within 1, 2, or 5 years, as applicable, after the compliance date that is specified for your source in §63.7495.

(2) The first semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent semi-annual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent semi-annual compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(5) [Not Applicable]

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of this section, (xiv) and (xvii) of this section, and paragraph (c)(5)(iv) of this section for limited-use boiler or process heater.

(2) - (4) [Not applicable]

(5)

(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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

(iv) The total operating time during the reporting period.

(v) -(xiii) [Not applicable]

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) to (xvi) [Not applicable]

(xvii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and

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completeness of the content of the report.

(xviii) [Not Applicable]

(d) to (g) [Not applicable]

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) to (2) [Not applicable]

(3) You must submit all reports required by Table 9 of this subpart electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

[78 FR 7183, Jan. 31, 2013, as amended at 80 FR 72814, Nov. 20, 2015]

**VI. WORK PRACTICE REQUIREMENTS.****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63 Subpart DDDDD Table 3]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Work Practice Standards**

IF THE UNIT OF THE PERMITTEE IS:

(2) A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of less than 10 million Btu per hour in the unit designed to burn heavy liquid or unit designed to burn solid fuel subcategories; or a new or existing boiler or process heater with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour, in any of the following subcategories: unit designed to burn gas 1; unit designed to burn gas 2 (other); or unit designed to burn light liquid

THE PERMITTEE MUST MEET THE FOLLOWING:

Conduct a tune-up of the boiler or process heater biennially as specified in § 63.7540.

IF THE UNIT OF THE PERMITTEE IS:

(4) An existing boiler or process heater located at a major source facility, not including limited use units.

THE PERMITTEE MUST MEET THE FOLLOWING:

Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table, satisfies the energy assessment requirement. A facility that operated under an energy management program developed according to the ENERGY STAR guidelines for energy management or compatible with ISO 50001 for at least one year between January 1, 2008 and the compliance date specified in §63.7495 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items a. to e. appropriate for the on-site technical hours listed in §63.7575:

(a) A visual inspection of the boiler or process heater system.

(b) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.

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(c) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.

(d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.

(e) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified.

(f) A list of cost-effective energy conservation measures that are within the facility's control.

(g) A list of the energy savings potential of the energy conservation measures identified.

(h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

[87 FR 60852, Oct. 6, 2022]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7499]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What are the subcategories of boilers and process heaters?**

The subcategories of process heaters, as defined in §63.7575 are:

(a) - (k) [Not applicable]

(l) Units designed to burn gas 1 fuels

(m) to (u) [Not applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013]

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) You must meet each emission limit and work practice standard in Table 3, to this subpart that applies to your boiler or process heater, for each boiler or process heater at your source.

[For Table 3 to § 63 Subpart DDDDD, see VI. Work Practice Requirements for this source group.]

(i)-(v) [Not Applicable]

(2) [Not Applicable]

(3) At all times, you must operate and maintain any affected source (as defined in § 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that 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.

(b)-(d) [Not applicable]

(e) Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in § 63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2 years as specified in § 63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1

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and 2 or Tables 11 through 15 to this subpart, or the operating limits in Table 4 to this subpart.

(f) [Not applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015; 87 FR 60840, Oct. 6, 2022]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**When must I conduct subsequent performance tests or fuel analyses, or tune-ups?**

(a)-(c) [Not applicable]

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, biennial, or 5-year performance tune-up according to § 63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in § 63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in § 63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in § 63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. [Provisions for new or reconstructed affected sources are omitted.]

(e)-(f) [Not applicable]

(g) For affected sources (as defined in § 63.7490) that have not operated since the previous compliance demonstration and more than 1 year has passed since the previous compliance demonstration, you must complete the subsequent compliance demonstration, if subject to the emission limits in Table 1 or 2 or Tables 11 through 15 to this subpart, no later than 180 days after the re-start of the affected source and according to the applicable provisions in § 63.7(a)(2) as cited in Table 10 to this subpart. You must complete a subsequent tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) and the schedule described in § 63.7540(a)(13) for units that are not operating at the time of their scheduled tune-up.

(h)-(i) [Not applicable]

[78 FR 7165, Jan. 31, 2013, as amended at 80 FR 72808, Nov. 20, 2015; 87 FR 60842, Oct. 6, 2022]

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7530]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**How do I demonstrate initial compliance with the emission limitations, fuel specifications and work practice standards?**

(a)-(c) [Not applicable]

(d) [Reserved]

(e) You must include with the Notification of Compliance Status a signed certification that either the energy assessment was completed according to Table 3 to this subpart, and that the assessment is an accurate depiction of your facility at the time of the assessment, or that the maximum number of on-site technical hours specified in the definition of energy assessment applicable to the facility has been expended.

(f)-(i) [Not applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7174, Jan. 31, 2013; 80 FR 72811, Nov. 20, 2015; 87 FR 60845, Oct. 6, 2022]

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

**SECTION E. Source Group Restrictions.**

(a) You must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 15 to this subpart, the work practice standards in Table 3 to this subpart, and the operating limits in Table 4 to this subpart that applies to you according to the methods specified in Table 8 to this subpart and paragraphs (a)(1) through (19) of this section.

(1) - (9) [Not Applicable]

(10) [Introductory text of (a)(1) is not applicable. Paragraphs (a)(10)(i) to (vi) cited in (a)(11).]

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

(11) If your boiler or process heater has a heat input capacity of less than 10 million Btu per hour (except as specified in paragraph (a)(12) of this section), you must conduct a biennial tune-up of the boiler or process heater as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance.

(12) [Not Applicable]

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) [Not Applicable]

(b)-(d) [Not applicable]

[78 FR 7179, Jan. 31, 2013, as amended at 80 FR 72813, Nov. 20, 2015; 87 FR 60846, Oct. 6, 2022]

**VII. ADDITIONAL REQUIREMENTS.****# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7480]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the purpose of this subpart?**

This subpart establishes national emission limits and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limits and work practice standards.

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP, except as specified in §63.7491. For purposes of

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this subpart, a major source of HAP is as defined in §63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in §63.7575.

[78 FR 7162, Jan. 31, 2013]

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What is the affected source of this subpart?**

(a) This subpart applies to new, reconstructed, and existing affected sources as described in paragraphs (a)(1) and (2) of this section.

(1) The affected source of this subpart is the collection at a major source of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory as defined in §63.7575.

(2) [Not Applicable]

(b) - (c) [Not Applicable]

(d) A boiler or process heater is existing if it is not new or reconstructed.

(e) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013]

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****When do I have to comply with this subpart?**

(a) [Not Applicable]

(b) If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in § 63.6(i).

(c) - (i) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7162, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015]

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7505]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limits, work practice standards, and operating limits in this subpart.

(b) [Reserved]

(c) - (e) [Not Applicable]

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7164, Jan. 31, 2013; 80 FR 72807, Nov. 20, 2015; 87 FR 60841, Oct. 6, 2022]

**# 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7570]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Who implements and enforces this subpart?**

(a) This subpart can be implemented and enforced by the EPA, or an Administrator such as your state, local, or tribal agency. If the EPA Administrator has delegated authority to your state, local, or tribal agency, then that agency (as well as the EPA) has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if this

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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 listed in paragraphs (b)(1) through (4) of this section are retained by the EPA Administrator and are not transferred to the state, local, or tribal agency, however, the EPA retains oversight of this subpart and can take enforcement actions, as appropriate.

(1) Approval of alternatives to the emission limits and work practice standards in §63.7500(a) and (b) under §63.6(g), except as specified in §63.7555(d)(13).

(2) Approval of major change to test methods in Table 5 to this subpart under §63.7(e)(2)(ii) and (f) and as defined in §63.90, and alternative analytical methods requested under §63.7521(b)(2).

(3) Approval of major change to monitoring under §63.8(f) and as defined in §63.90, and approval of alternative operating parameters under §§63.7500(a)(2) and 63.7522(g)(2).

(4) Approval of major change to recordkeeping and reporting under §63.10(e) and as defined in §63.90.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7186, Jan. 31, 2013; 80 FR 72817, Nov. 20, 2015]

**# 017 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What definitions apply to this subpart?**

[Definitions included in this operating permit are for terms applicable to Source 155. For the complete terminology used in § 63 Subpart DDDDD, please refer to § 63.7575 under Title 40 - Protection of Environment, available at <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDDD> ]

[78 FR 15664, Mar. 21, 2011, as amended at 78 FR 7163, Jan. 31, 2013; 80 FR 72817, Nov. 20, 2015; 87 FR 60846, Oct. 6, 2022]

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

| Source Id      | Source Description                                        |                        |     |
|----------------|-----------------------------------------------------------|------------------------|-----|
| 131            | 1-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42878 |                        |     |
| Emission Limit |                                                           | Pollutant              |     |
| 9.300          | GRAMS/HP-Hr                                               | NOX                    |     |
| 22.600         | Lbs/Hr                                                    | NOX                    |     |
| 98.700         | Tons/Yr                                                   | 12-month rolling total | NOX |
| 500.000        | PPMV                                                      | Dry basis              | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                    |     |
| 0.500          | GRAMS/HP-Hr                                               | excluding formaldehyde | VOC |
| 1.210          | Lbs/Hr                                                    | excluding formaldehyde | VOC |
| 132            | 2-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42879 |                        |     |
| Emission Limit |                                                           | Pollutant              |     |
| 9.300          | GRAMS/HP-Hr                                               | NOX                    |     |
| 22.600         | Lbs/Hr                                                    | NOX                    |     |
| 98.700         | Tons/Yr                                                   | 12-month rolling total | NOX |
| 500.000        | PPMV                                                      | Dry basis              | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                    |     |
| 0.500          | GRAMS/HP-Hr                                               | excluding formaldehyde | VOC |
| 1.210          | Lbs/Hr                                                    | excluding formaldehyde | VOC |
| 133            | 3-A, C-B,1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42880  |                        |     |
| Emission Limit |                                                           | Pollutant              |     |
| 9.300          | GRAMS/HP-Hr                                               | NOX                    |     |
| 22.600         | Lbs/Hr                                                    | NOX                    |     |
| 98.700         | Tons/Yr                                                   | 12-month rolling total | NOX |
| 500.000        | PPMV                                                      | Dry basis              | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                    |     |
| 0.500          | GRAMS/HP-Hr                                               | excluding formaldehyde | VOC |
| 1.210          | Lbs/Hr                                                    | excluding formaldehyde | VOC |
| 134            | 4-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42881 |                        |     |
| Emission Limit |                                                           | Pollutant              |     |
| 9.300          | GRAMS/HP-Hr                                               | NOX                    |     |
| 22.600         | Lbs/Hr                                                    | NOX                    |     |
| 98.700         | Tons/Yr                                                   | 12-month rolling total | NOX |
| 500.000        | PPMV                                                      | Dry basis              | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                    |     |
| 0.500          | GRAMS/HP-Hr                                               | excluding formaldehyde | VOC |
| 1.210          | Lbs/Hr                                                    | excluding formaldehyde | VOC |
| 135            | 5-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42882 |                        |     |
| Emission Limit |                                                           | Pollutant              |     |
| 9.300          | GRAMS/HP-Hr                                               | NOX                    |     |
| 22.600         | Lbs/Hr                                                    | NOX                    |     |
| 98.700         | Tons/Yr                                                   | 12-month rolling total | NOX |
| 500.000        | PPMV                                                      | Dry basis              | SOX |

**SECTION G. Emission Restriction Summary.**

| Source Id                                | Source Description                                         |
|------------------------------------------|------------------------------------------------------------|
|                                          |                                                            |
| 0.040                                    | gr/DRY FT3 TSP                                             |
| 0.500                                    | GRAMS/HP-Hr excluding formaldehyde VOC                     |
| 1.210                                    | Lbs/Hr excluding formaldehyde VOC                          |
| 136                                      | 6-A, C-B, 1100 HP, COOPER-BESSEMER GMV-10TF,ENG, SN 42883  |
| <b>Emission Limit</b>                    | <b>Pollutant</b>                                           |
| 9.300 GRAMS/HP-Hr                        | NOX                                                        |
| 22.600 Lbs/Hr                            | NOX                                                        |
| 98.700 Tons/Yr 12-month rolling total    | NOX                                                        |
| 500.000 PPMV Dry basis                   | SOX                                                        |
| 0.040 gr/DRY FT3                         | TSP                                                        |
| 0.500 GRAMS/HP-Hr excluding formaldehyde | VOC                                                        |
| 1.210 Lbs/Hr excluding formaldehyde      | VOC                                                        |
| 137                                      | 7-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43302 |
| <b>Emission Limit</b>                    | <b>Pollutant</b>                                           |
| 4.000 GRAMS/HP-Hr                        | NOX                                                        |
| 11.900 Lbs/Hr                            | NOX                                                        |
| 52.100 Tons/Yr 12-month rolling total    | NOX                                                        |
| 500.000 PPMV/DRY FT3 dry basis           | SOX                                                        |
| 0.040 gr/DRY FT3                         | TSP                                                        |
| 0.500 GRAMS/HP-Hr                        | VOC                                                        |
| 1.490 Lbs/Hr                             | VOC                                                        |
| 138                                      | 8-A, C-B, 1350 HP, COOPER-BESSEMER GMV-10TFS ENG, SN 43303 |
| <b>Emission Limit</b>                    | <b>Pollutant</b>                                           |
| 4.000 GRAMS/HP-Hr                        | NOX                                                        |
| 11.900 Lbs/Hr                            | NOX                                                        |
| 52.100 Tons/Yr 12-month rolling total    | NOX                                                        |
| 500.000 PPMV/DRY FT3 dry basis           | SOX                                                        |
| 0.040 gr/DRY FT3                         | TSP                                                        |
| 0.500 GRAMS/HP-Hr                        | VOC                                                        |
| 1.490 Lbs/Hr                             | VOC                                                        |
| 139                                      | 9-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44311   |
| <b>Emission Limit</b>                    | <b>Pollutant</b>                                           |
| 8.800 GRAMS/HP-Hr                        | NOX                                                        |
| 26.200 Lbs/Hr                            | NOX                                                        |
| 114.600 Tons/Yr 12-month rolling total   | NOX                                                        |
| 500.000 PPMV Dry basis                   | SOX                                                        |
| 0.040 gr/DRY FT3                         | TSP                                                        |
| 0.500 GRAMS/HP-Hr                        | VOC                                                        |
| 1.490 Lbs/Hr                             | VOC                                                        |

**SECTION G. Emission Restriction Summary.**

| Source Id      | Source Description                                        |                         |     |
|----------------|-----------------------------------------------------------|-------------------------|-----|
| 140            | 10-A, C-B,1350 HP, COOPER-BESSEMER GMV-10 ENG, SN 44685   |                         |     |
| Emission Limit |                                                           | Pollutant               |     |
| 8.800          | GRAMS/HP-Hr                                               | NOX                     |     |
| 26.200         | Lbs/Hr                                                    | NOX                     |     |
| 114.600        | Tons/Yr                                                   | 12-month rolling total  | NOX |
| 500.000        | PPMV                                                      | Dry basis               | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                     |     |
| 0.500          | GRAMS/HP-Hr                                               | VOC                     |     |
| 1.490          | Lbs/Hr                                                    | VOC                     |     |
| 141            | 11-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44686 |                         |     |
| Emission Limit |                                                           | Pollutant               |     |
| 8.800          | GRAMS/HP-Hr                                               | NOX                     |     |
| 26.200         | Lbs/Hr                                                    | NOX                     |     |
| 114.600        | Tons/Yr                                                   | 12-month rolling total  | NOX |
| 500.000        | PPMV                                                      | Dry basis               | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                     |     |
| 0.500          | GRAMS/HP-Hr                                               | VOC                     |     |
| 1.490          | Lbs/Hr                                                    | VOC                     |     |
| 142            | 12-A, C-B,1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44865  |                         |     |
| Emission Limit |                                                           | Pollutant               |     |
| 8.800          | GRAMS/HP-Hr                                               | NOX                     |     |
| 26.200         | Lbs/Hr                                                    | NOX                     |     |
| 114.600        | Tons/Yr                                                   | 12-month rolling total  | NOX |
| 500.000        | PPMV                                                      | Dry basis               | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                     |     |
| 0.500          | GRAMS/HP-Hr                                               | VOC                     |     |
| 1.490          | Lbs/Hr                                                    | VOC                     |     |
| 143            | 13-A, C-B, 1350 HP, COOPER-BESSEMER GMVA-10 ENG, SN 44866 |                         |     |
| Emission Limit |                                                           | Pollutant               |     |
| 8.800          | GRAMS/HP-Hr                                               | NOX                     |     |
| 26.200         | Lbs/Hr                                                    | NOX                     |     |
| 114.600        | Tons/Yr                                                   | 12-month rolling total  | NOX |
| 500.000        | PPMV                                                      | Dry basis               | SOX |
| 0.040          | gr/DRY FT3                                                | TSP                     |     |
| 0.500          | GRAMS/HP-Hr                                               | VOC                     |     |
| 1.490          | Lbs/Hr                                                    | VOC                     |     |
| 144            | 1-B, C-B, 5500 HP, COOPER-BESSEMER 16V-250 ENG, SN 46398  |                         |     |
| Emission Limit |                                                           | Pollutant               |     |
| 0.600          | GRAMS/HP-Hr                                               | NOX                     |     |
| 7.280          | Lbs/Hr                                                    | NOX                     |     |
| 31.900         | Tons/Yr                                                   | 12 months rolling total | NOX |
| 500.000        | PPMV                                                      | Dry basis               | SOX |

**SECTION G. Emission Restriction Summary.**

| Source Id      | Source Description                             |                         |     |
|----------------|------------------------------------------------|-------------------------|-----|
| 0.040          | gr/DRY FT3                                     |                         | TSP |
| 0.490          | GRAMS/HP-Hr                                    |                         | VOC |
| 6.000          | Lbs/Hr                                         |                         | VOC |
| 26.300         | Tons/Yr                                        | 12 months rolling total | VOC |
| 157            | 1468 BHP, CAT G3512, EMERG ENGINE, SN E2600244 |                         |     |
| Emission Limit |                                                | Pollutant               |     |
| 4.000          | GRAMS/HP-Hr                                    |                         | CO  |
| 540.000        | PPMV                                           | dry basis @ 15% O2      | CO  |
| 2.000          | GRAMS/HP-Hr                                    |                         | NOX |
| 160.000        | PPMV                                           | dry basis @ 15% O2      | NOX |
| 500.000        | PPMV                                           | dry basis               | SOX |
| 0.040          | gr/DRY FT3                                     |                         | TSP |
| 1.000          | GRAMS/HP-Hr                                    |                         | VOC |
| 86.000         | PPMV                                           | dry basis @ 15% O2      | VOC |

**Site Emission Restriction Summary**

| Emission Limit | Pollutant |
|----------------|-----------|
|----------------|-----------|

**SECTION H. Miscellaneous.**

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable limits are listed in the Restrictions section in Section D (i.e., for each source) and in Section E (i.e., for sources included in the source group). The emission limitations contained in Section G of this permit are also for informational purposes only and are not to be considered enforceable limits.

(b) Equipment Information

(1) For the purposes of this permit, Source 148 is comprised of the following:

- (i) 11 Reznor Model XL 125 space heater
- (ii) 1F Furnace
- (iii) 2F Furnace
- (iv) 3F Furnace
- (v) 1HWH, Hot water heater
- (vi) 2HWH, Hot water heater
- (vii) 3HWH, Hot water heater
- (viii) 4HWH, Hot Water Heater
- (ix) Portable Oxy-acetylene cutting torch set

(2) Source 153 is a [XX-gallon MODEL] cold cleaning machine.

(3) Source 156 (A-AUX-01, 40HP NATURAL GAS EMERGENCY ENGINE (AIR COMPRESSOR)) was removed from the facility in 2021.

(4) Source 145 (A-1-A, IR, 408 HP, NATURAL GAS ELECTRIC GENERATOR), 146 (A-2-A, IR, 408 HP, NATURAL GAS ELECTRIC GENERATOR), and 147 (A-3-A, IR, 408 HP, NATURAL GAS ELECTRIC GENERATOR) were removed from the facility in 2024.

(c) Sources 131 to 144 Exemption from § 63 Subpart ZZZZ: As existing spark ignition 2SLB stationary RICE, these sources are exempt pursuant to § 63.6590(b)(3)(i).

(d) Insignificant activities

(1) Source # 152: #11 Gasoline tank is an insignificant source (Capacity: 2000 Gallons) and there are no requirements such as restriction, testing, monitoring, recordkeeping, reporting and work practice standards will be applicable to the said source.

(2) Sand Blast Unit exhausting inside.

(3) Three (3) electrically-driven air compressors

(e) Permit History

(1) This permit was first issued on May 12, 1999.

(2) This permit was renewed on the following dates as scheduled: August 25, 2003; July 22, 2008; July 17, 2013; and January 2, 2019.

(3) This permit was amended on the following dates: March 5, 2007 to change the name of responsible official from Mr. James A. Mings to Mr. Ronald F. Miller; November 27, 2012 to incorporate the name change of the owner.

(4) This permit was amended on April 27, 2021 to incorporate the changes of responsible official and permit contact and to remove Source 156 emergency generator from the permit. In addition to the responsible official identified on page 1 of the permit, Tennessee Gas Pipeline Company LLC designates Ronald S. Bessette - Vice President of Operations as a Duly Authorized Representative for the responsible official.

(5) This permit was amended on March 10, 2022 to provide typographical corrections (provide the correct number of significant digits) to the VOC emission limit for Source 144 and to update the permit contact.

(6) This permit was modified under AUTH No. 1421390 to incorporate presumptive and alternative RACT III requirements.

(7) This permit was renewed on June 26, 2025, with an expiration date of May 31, 2030.



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

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