



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM**

**TITLE V/STATE OPERATING PERMIT**

Issue Date:	October 15, 2018	Effective Date:	October 31, 2022
Revision Date:	October 17, 2022	Expiration Date:	October 15, 2023
Revision Type:	Amendment		

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: 65-00837**

Federal Tax Id - Plant Code: 55-0629203-17

**Owner Information**

Name: EASTERN GAS TRANS & STORAGE INC  
Mailing Address: 6603 W BROAD ST  
RICHMOND, VA 23230-1711

**Plant Information**

Plant: EASTERN GAS TRANS & STORAGE INC/OAKFORD COMPRESSOR STA  
Location: 65 Westmoreland County 65952 Salem Township  
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

**Responsible Official**

Name: JOHN MLAMB  
Title: VP EASTERN PIPELINE OPR  
Phone: (804) 273 - 4327 Email: matt.lamb@bhegts.com

**Permit Contact Person**

Name: GLENN S BOUTILLIER  
Title: ENV SPECIALIST III  
Phone: (804) 356 - 1364 Email: Glenn.Boutillier@bhegts.com

[Signature] \_\_\_\_\_

MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION

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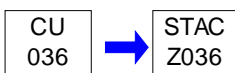
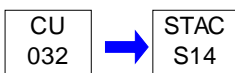
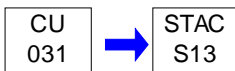
### Section H. Miscellaneous

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	BOILER 1 (16.74 MMBTU/HR, NG)	16.740 MMBTU/HR	
		16.400 MCF/HR	Natural Gas
032	BOILER 2 (16.74 MMBTU/HR, NG)	16.740 MMBTU/HR	
		16.400 MCF/HR	Natural Gas
036	CONVECTIVE HEATER 1 (17.12 MMBTU/HR, NG)	9.400 MMBTU/HR	
		9.200 MCF/HR	Natural Gas
037	CONVECTIVE HEATER 2 (17.12 MMBTU/HR, NG)	9.400 MMBTU/HR	
		9.200 MCF/HR	Natural Gas
101	COMPRESSOR ENGINE 1 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
102	COMPRESSOR ENGINE 2 (2,500-BHP, 2SLB, NG, WITH OX.CAT.)	19.900 MCF/HR	Natural Gas
103	COMPRESSOR ENGINE 3 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)	19.900 MCF/HR	Natural Gas
104	COMPRESSOR ENGINE 4 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)	19.900 MCF/HR	Natural Gas
105	COMPRESSOR ENGINE 5 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
106	COMPRESSOR ENGINE 6 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
107	COMPRESSOR ENGINE 7 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
108	COMPRESSOR ENGINE 8 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)	19.900 MCF/HR	Natural Gas
109	COMPRESSOR ENGINE 9 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
110	COOPER GMV-10TF, COMPRESSOR ENGINE 10 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
111	COMPRESSOR ENGINE 11 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
112	COMPRESSOR ENGINE 12 (2,500-BHP, 2SLB, NG)	19.900 MCF/HR	Natural Gas
116	AUXILIARY GENERATOR ENGINE 1 (1,445-BHP, 4SRB, NG)	11.500 MCF/HR	Natural Gas
117	AUXILIARY GENERATOR ENGINE 2 (1,445-BHP, 4SRB, NG)	11.500 MCF/HR	Natural Gas
118	EMERGENCY AIR COMPRESSOR ENGINE (400-BHP, 4SRB, NG)	111.000 CF/HR	Natural Gas
120	METHANOL STORAGE TANK (6,000 GAL)	100.000 CF/HR	
123	NG COMPRESSORS 1-12 (12 COMPRESSORS)		
801	PIG LAUNCHER AND RECEIVER		
P01	FACILITY PUMPS, VALVES, FLANGES, ETC.		
C101	CLEAN BURN SYSTEM 1		
C102	CLEAN BURN SYSTEM 2		
C103	CLEAN BURN SYSTEM 3		
C104	CLEAN BURN SYSTEM 4		
C105	CLEAN BURN SYSTEM 5		
C106	CLEAN BURN SYSTEM 6		
C107	CLEAN BURN SYSTEM 7		
C108	CLEAN BURN SYSTEM 8		
C109	CLEAN BURN SYSTEM 9		
C110	CLEAN BURN SYSTEM 10		

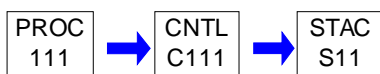
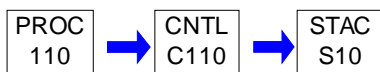
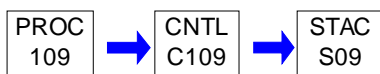
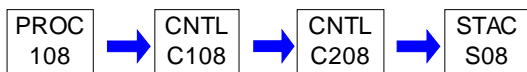
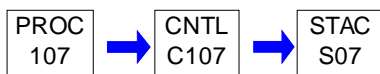
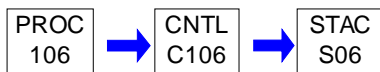
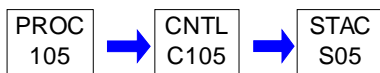
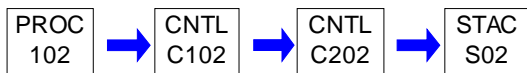
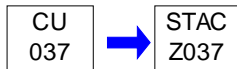
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
C111	CLEAN BURN SYSTEM 11		
C112	CLEAN BURN SYSTEM 12		
C202	OXIDATION CATALYST 2		
C203	OXIDATION CATALYST 3		
C204	OXIDATION CATALYST 4		
C208	OXIDATION CATALYST 8		
S01	ENGINE 1 STACK		
S02	ENGINE 2 STACK		
S03	ENGINE 3 STACK		
S04	ENGINE 4 STACK		
S05	ENGINE 5 STACK		
S06	ENGINE 6 STACK		
S07	ENGINE 7 STACK		
S08	ENGINE 8 STACK		
S09	ENGINE 9 STACK		
S10	ENGINE 10 STACK		
S11	ENGINE 11 STACK		
S12	ENGINE 12 STACK		
S13	BOILER 1 STACK		
S14	BOILER 2 STACK		
S18	AIR COMPRESSOR STACK		
S19	AUXILIARY 1 STACK		
S20	AUXILIARY 2 STACK		
Z036	DEHY.CONVECTIVE HEATER 1 VENT		
Z037	DEHY. CONVECTIVE HEATER 2 VENT		
Z120	METHANOL TANKS VENTS		
Z123	NG COMPRESSOR VENTS		
Z801	PIGGING VENT		
ZP01	FUGITIVE VOC'S (VALVES ETC)		

**PERMIT MAPS**



## PERMIT MAPS



**PERMIT MAPS**

PROC  
118 → STAC  
S18

PROC  
120 → STAC  
Z120

PROC  
123 → STAC  
Z123

PROC  
801 → STAC  
Z801

PROC  
P01 → STAC  
ZP01

**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 act.

**#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.

**SECTION B. General Title V Requirements**

(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.

(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 § 127.513]****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

**SECTION B. General Title V Requirements**

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.

**#025 [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.
- (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.

**#026 [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.



**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 §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act.

**# 002 [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) – (8) N/A.
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(5), 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) N/A.
- (c) Contained under WORK PRACTICE REQUIREMENTS in this section of the permit.
- (d) N/A.

**# 003 [25 Pa. Code §123.13]****Processes**

Particulate matter emissions into the outdoor atmosphere from any process shall not exceed 0.04 gr/dscf as specified in 25 Pa. Code § 123.13(c)(1)(i).

**# 004 [25 Pa. Code §123.2]****Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

**# 005 [25 Pa. Code §123.31]****Limitations**

- (a) Limitations are as follows:
- (1) - (2) N/A.
  - (b) A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any

**SECTION C. Site Level Requirements**

source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

(c) N/A.

**# 006 [25 Pa. Code §123.41]****Limitations**

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

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

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

(a) AIR BASINS. N/A.

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

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

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

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

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

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

(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

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

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

(7) A fire set solely for cooking food.

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

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

**SECTION C. Site Level Requirements**

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

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

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

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

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

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

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

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

(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).

(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 that chapter.

[The Oakford Compressor Station is not located in an air basin.]

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

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this Permit may be in excess of the limitations specified in, or established pursuant to the permittee's operating permit, the permittee may be required to conduct test methods and procedures deemed necessary by the Department to determine the actual emissions rate. Such testing shall be conducted in accordance with Title 25 PA Code Chapter 139, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

**# 009 [25 Pa. Code §139.51]****Purpose.**

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program,

**SECTION C. Site Level Requirements**

notification as to the date and time of testing shall be given to the SW Regional Office. For EPA Method test programs, notification shall also be sent to the Division of Source Testing and Monitoring. For testing utilizing portable analyzers, and no EPA Test Methods, when the complete operating procedure including calibration, QA/QC and emissions calculation methods have been previously submitted to the Department, notification of testing shall only be submitted to the SW Regional Office. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department. Later EPA Method Stack Tests and portable monitoring programs that adhere to the procedures of a test protocol, previously approved and performed, may utilize the protocol, subject to updates in the Department's source test manual, referencing it in the notification.

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

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f), and 40 CFR Part 63.7(g), two copies of the complete test report shall be submitted to the Department at the SWRO, no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

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

(1) A statement that the owner or operator has reviewed the report from the emissions testing body, and agrees with the findings.

(2) Permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results, with respect to each applicable permit condition.

(4) Statement of compliance, or non-compliance, with each applicable permit condition.

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

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

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3), all submittals, besides notifications, shall be accomplished through PSIMS\*Online available through <https://www.depgreenport.state.pa.us/ecomm/Login.jsp>. If internet submittal cannot be accomplished, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

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

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

A station-wide inspection shall be conducted at a minimum of once each day that the Station is visited by the Owner/Operator. The station -wide inspection shall be conducted for the presence of the following:

**SECTION C. Site Level Requirements**

- a. Visible stack emissions;
- b. Fugitive emissions; and
- c. Potentially objectionable odors at the property line.

These observations are to ensure continued compliance with source-specific visible emission limitations, fugitive emissions prohibited under 25 Pa. Code §§123.1 or 123.2, and malodors prohibited under 25 Pa. Code §123.31. In any case, inspections shall take place at a minimum of once per week. This observation does not require that it be performed by a person certified as a qualified observer for EPA Method 9 for Visual Determination of the Opacity of Emissions from Stationary Sources. Observations for visible stack emissions shall be conducted during daylight hours and all observations shall be conducted while sources are in operation. If visible stack emissions, fugitive emissions, or potentially objectionable odors are apparent, the Owner/Operator shall take corrective action.

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

All logs and required records shall be maintained for a minimum of five years. These records must be kept on site, or electronically available on the site, for a minimum of two years. They may be stored at an alternative location or electronically available by a method acceptable to the Department, for the remaining time. All records shall be made available to the Department upon request.

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

The Owner/Operator shall maintain the following comprehensive and accurate records:

- a. Total monthly fuel consumption by the natural gas compressor engines, and other permitted equipment.
- b. The total monthly hours of operation of the natural gas compressor engines and other permitted equipment.
- c. Records including a description of testing methods, results, all operating data collected during tests, and a copy of the calculations performed.
- d. Copies of the manufacturer's recommended maintenance schedule for the natural gas compressors, compressor engines, and other permitted equipment.
- e. Records of any maintenance conducted on the natural gas compressor engines and other permitted equipment.
- f. Records of all fractional gas analysis performed on the inlet natural gas to Oakford within the last five years and a copy of the most recent fuel tariff.
- g. Copies of the report that demonstrates that the natural gas compressor engines were operating at maximum operating conditions and within 10 percent of 100 percent peak load (or the highest achievable load) during emission performance testing.

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

Records of each inspection shall be maintained in a log, or electronically, and at the minimum include the date, time, name and title of the observer, along with any corrective action taken as a result.

**# 014 [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 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

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needed informed by indirect means.

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

Malfunction reporting shall be conducted as follows:

a. For the purpose of this condition, a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions may include, but are not limited to: large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property on whose land the source is being operated.

b. Any malfunction that poses an imminent danger to the public health, safety, or welfare or to the environment shall be reported by telephone to the County Emergency Management Agency (911 Center), and to the 24-hour Emergency Hotline of the appropriate DEP Regional Office (Phone (412)442-4000), no later than one hour after the discovery of an incident. Following the telephone notification, a written notice shall be submitted to the DEP, no later than the next business day.

c. All other malfunctions shall be reported to the Department no later than the next business day.

d. Initial reporting of the malfunction shall identify the following items to the extent known:

- i. name and location of the facility;
- ii. nature and cause of the malfunction;
- iii. time when the malfunction or breakdown was first observed;
- iv. expected duration of increased emissions; and
- v. estimated rate of emissions.

e. The Owner/Operator shall also notify the Department immediately, by telephone, when corrective measures for malfunctions meeting the criteria in (b) have been accomplished.

f. All malfunctions shall be reported to the Department by email (Addresses will be provided by the Department.), or by regular mail, at the address below:

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

412-442-4000

g. If requested by the Department, the Owner/Operator shall submit a full written report to the Department, including final determinations of the items identified in d., and the corrective measures taken on the malfunction. The report shall be submitted within 15 days of the Department's request or accomplishing corrective measures, whichever is later.

**# 016 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The Oakford Compressor Station is a portion of a Title V facility which also includes the Rock Springs Compressor Station. (Because of differences in ownership, the Rock Springs Compressor Station portion of this facility is being permitted separately under the Title V program.) Therefore, Owner/operator shall submit the semi-annual monitoring reports for the

**SECTION C. Site Level Requirements**

Oakford Compressor Station by January 30 and July 30 of each year. The January 30 semi-annual monitoring report shall cover the period from July 1 through December 31. The July 30 semiannual monitoring report shall cover the period from January 1 through June 30. However, in accordance with Title 25 PA Code § 127.511(c), in no case shall the semi-annual monitoring report be submitted less often than every six (6) months. This may require that an interim semi-annual monitoring report (covering a period less than six (6) months) be submitted to bring the station into compliance with this schedule.

**# 017 [25 Pa. Code §127.513]****Compliance certification.**

Permittee shall submit a Compliance Certification sufficient to demonstrate compliance with terms and conditions contained in the permit. Each Compliance Certification shall include the following:

- (a) The identification of each term or condition of the permit that is the basis of the certification.
- (b) The compliance status.
- (c) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (d) Whether compliance was continuous or intermittent.
- (e) Other facts the Department may require, to determine the compliance status of the source.

[The Oakford Compressor Station is a portion of a Title V facility which also includes the Rock Springs Compressor Station. (Because of differences in ownership, the Rock Springs Compressor Station portion of this facility is being permitted separately under the Title V program.) Therefore, Owner/operator shall submit a Title V Compliance Certification for the Oakford Compressor Station by January 30 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. This Certification shall be submitted to both the Director, Air, Toxics, and Radiation of EPA, Region III and the Regional Air Quality Program Manager, PA DEP. The Title V Compliance Certification may be emailed to EPA Region III at R3\_APD\_Permits@epa.gov in lieu of mailing a hard copy. However, in accordance with Title 25 PA Code § 127.513(5)(i), in no case shall the Title V Compliance Certification be submitted less often than annually. This may require that an interim Title V Compliance Certification (covering a period less than one year) be submitted to bring the station into compliance with this schedule.]

**# 018 [25 Pa. Code §135.21]****Emission statements**

The owner or operator of each stationary source emitting oxides of nitrogen and/or VOCs shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

**# 019 [25 Pa. Code §135.3]****Reporting**

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

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report with 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) N/A.

[The Oakford Compressor Station is a portion of a Title V facility which also includes the Rock Springs Compressor Station.]



**SECTION C. Site Level Requirements**

(Because of differences in ownership, the Rock Springs Compressor Station portion of this facility is being permitted separately under the Title V program.) Therefore, the operators of the Oakford Compressor Station are required to submit an annual air emission inventory.

The source report in (a) shall include a statement; in a form as the Department may prescribe; for classes or categories of sources; showing the actual emissions of individual criteria and hazardous air pollutants and greenhouse gas emissions, as well as other air contaminants. (Per the Department's Emissions Inventory Reporting Instructions.) A description of the method used to calculate the emissions and the time period over which the calculation is based, shall be included. The statement shall also contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

Additional authority for this condition is taken from § 135.21.]

**VI. WORK PRACTICE REQUIREMENTS.****# 020 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from a source identified in 25 PA Code 123.1(a)(1)-(9) from becoming airborne. These actions shall include, but not be limited to, the following:

(c)(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.

**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In order to minimize emissions, all units shall be operated and maintained in accordance with good air pollution and engineering practices.

**VII. ADDITIONAL REQUIREMENTS.****# 022 [25 Pa. Code §123.42]****Exceptions**

Limitations of opacity 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) N/A.

**# 023 [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.

**SECTION C. Site Level Requirements**

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

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Mass emissions may be determined using engineering calculations based on fuel and raw material purchase records, manufacturers specifications, AP-42 emission factors, source test results, operating records, material balance methods, and/or other applicable methods with written Departmental approval.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Sources at the Oakford Compressor Station are subject to 40 CFR Part 63, Subpart A - General Provisions, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and 25 Pa. Code Chapters 121-145. (Air Resources)

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

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

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

This permit contains language from the Code of Federal Regulations (CFR). Should the wording of the federal citations of the conditions in this permit be changed in the CFR, the new wording shall supersede the language of this permit.

**# 026 [25 Pa. Code §129.96]****Applicability**

(a) The NOx requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major NOx emitting facility and the VOC requirements of this section and § § 129.97 - 129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in § § 129.51 - 129.52c, 129.54 - 129.69, 129.71 - 129.73, 129.75, 129.77, 129.101 - 129.107 and 129.301 - 129.310.

(b) - (d) N/A.

[The Oakford Compressor Station is a portion of a Title V facility which also includes the Rock Springs Compressor Station. Therefore, emission sources at the Oakford Compressor Station are at a Major Source of both NOx and VOC. Sources at the station have applicable requirements under § § 129.96 - 129.100 (RACT II). On October 24, 2016, the owner/operator submitted a proposal for RACT II, stating the methods of compliance for the sources at the station which have RACT II requirements. These are Boilers 1 and 2 (Source IDs 031 & 032), Convective Heaters 1 and 2 (Source IDs 036 & 037), Compressor Engines 1 through 12 (Source IDs 101 -112), Auxiliary Generator Engines 1 and 2 (Source IDs 116 & 117), and the Emergency Air Compressor Engine (Source ID 118).]

**# 027 [25 Pa. Code §135.4]****Report format**

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

**VIII. COMPLIANCE CERTIFICATION.**

**SECTION C. Site Level Requirements**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

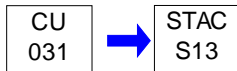
Source ID: 031

Source Name: BOILER 1 (16.74 MMBTU/HR, NG)

Source Capacity/Throughput: 16.740 MMBTU/HR

16.400 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG02

**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**

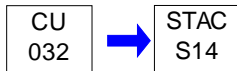
Source ID: 032

Source Name: BOILER 2 (16.74 MMBTU/HR, NG)

Source Capacity/Throughput: 16.740 MMBTU/HR

16.400 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG02

**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. \*\*\***

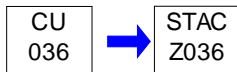
**SECTION D. Source Level Requirements**

Source ID: 036

Source Name: CONVECTIVE HEATER 1 (17.12 MMBTU/HR, NG)

Source Capacity/Throughput: 9.400 MMBTU/HR

9.200 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG01  
SG02**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: 037

Source Name: CONVECTIVE HEATER 2 (17.12 MMBTU/HR, NG)

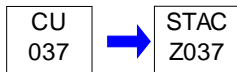
Source Capacity/Throughput:

9.400 MMBTU/HR

9.200 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: SG01  
SG02

**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).

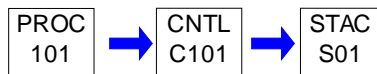
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: COMPRESSOR ENGINE 1 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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. \*\*\***

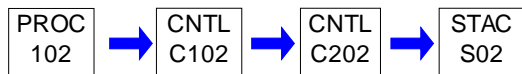


**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: COMPRESSOR ENGINE 2 (2,500-BHP, 2SLB, NG, WITH OX.CAT.)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG03  
SG05**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).

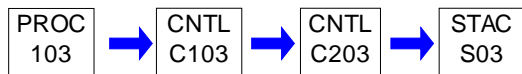
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: COMPRESSOR ENGINE 3 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG03  
SG05**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).

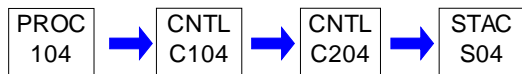
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: COMPRESSOR ENGINE 4 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG03  
SG05**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).

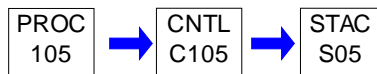
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: COMPRESSOR ENGINE 5 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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).

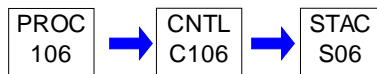
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: COMPRESSOR ENGINE 6 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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).

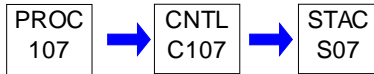
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: COMPRESSOR ENGINE 7 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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).

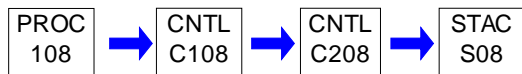
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: COMPRESSOR ENGINE 8 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG03  
SG05**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).

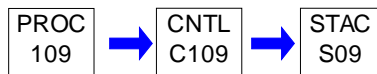
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: COMPRESSOR ENGINE 9 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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. \*\*\***

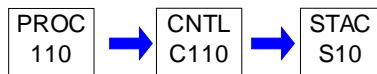


**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: COOPER GMW-10TF, COMPRESSOR ENGINE 10 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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).

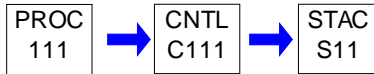
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: COMPRESSOR ENGINE 11 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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).

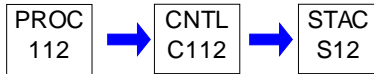
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: COMPRESSOR ENGINE 12 (2,500-BHP, 2SLB, NG)

Source Capacity/Throughput: 19.900 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG04  
SG05**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. \*\*\***

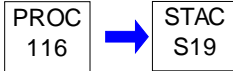
**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: AUXILIARY GENERATOR ENGINE 1 (1,445-BHP, 4SRB, NG)

Source Capacity/Throughput: 11.500 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG06

**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. \*\*\***

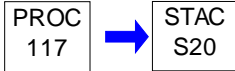
**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: AUXILIARY GENERATOR ENGINE 2 (1,445-BHP, 4SRB, NG)

Source Capacity/Throughput: 11.500 MCF/HR Natural Gas

Conditions for this source occur in the following groups: SG06

**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).

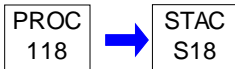
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 118

Source Name: EMERGENCY AIR COMPRESSOR ENGINE (400-BHP, 4SRB, NG)

Source Capacity/Throughput: 111.000 CF/HR Natural Gas

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

The Emergency Air Compressor Engine (Source ID 118) shall not emit 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 10% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 30% at any time.

[This restriction is carried forward from PA-65-00837A.]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §129.96]****Applicability**

- (a) - (b) (See Section C of this permit.)

**SECTION D. Source Level Requirements**

(c) This section and §§ 129.97 - 129.100 do not apply to the owner and operator of a NO<sub>x</sub> air contamination source located at a major NO<sub>x</sub> emitting facility that has the potential to emit less than 1 TPY of NO<sub>x</sub> that has the potential to emit less than 1 TPY of NO<sub>x</sub>, ....

(d) N/A.

[The Emergency Air Compressor Engine (Source ID 118) has a NO<sub>x</sub> emission potential GTE 1 TPY and is at a major NO<sub>x</sub> emitting facility. Therefore, it is subject to applicable requirements under §§ 129.96 - 129.100 (RACT II).]

**# 003 [25 Pa. Code §129.97]****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) - (h) located at a major NO<sub>x</sub> emitting facility ... subject to § 129.96 (relating to applicability) shall comply with the applicable presumptive RACT requirement ..., beginning with the specified compliance date as follows ...:

(1) January 1, 2017, for a source subject to § 129.96(a).

(2) N/A.

(b) The owner and operator of a source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility ... subject to § 129.96 shall comply with the following:

(1) - (2) N/A.

(3) The applicable recordkeeping requirements of § 129.100(d), (e) or (f) (relating to compliance demonstration and recordkeeping requirements).

(c) The owner and operator of a source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility ... subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices:

(1) A NO<sub>x</sub> air contamination source that has the potential to emit less than 5 TPY of NO<sub>x</sub>.

(2) - (4) N/A.

(5) - A stationary internal combustion engine rated at less than 500 bhp (gross).

(6) - (8) N/A.

(d) - (m) N/A.

[The Emergency Air Compressor Engine (Source ID 118) is rated less than 500-bhp and has a NO<sub>x</sub> emission potential LT 5 TPY. Therefore, it is subject to the applicable requirements in Paragraph (c).]

**# 004 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) - (c) N/A.

(d) The owner and operator of an air contamination source subject to this section and §§ 129.96 - 129.99 shall keep records to demonstrate compliance with §§ 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of §§ 129.96 - 129.99 are met.

**SECTION D. Source Level Requirements**

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(e) - (f) N/A.

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**

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

**What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, ... RICE located at a major ... source of HAP emissions, ...

(1) Existing stationary RICE.

(i) N/A.

(ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

(iii) - (iv) N/A.

(2) - (3) N/A.

(b) - (c) N/A.

[The Emergency Air Compressor Engine (Source ID 118) is an existing, affected source for 40 CFR Part 63, Subpart ZZZZ.]

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]**

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

**When do I have to comply with this subpart?**

(a) Affected sources. (1) ... If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, ... you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

(2) - (7) N/A.

(b) N/A.

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

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

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

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

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. ...

[Table 2c - to Subpart ZZZZ of Part 63—Requirements for Existing Compression Ignition Stationary RICE Located at a Major



**SECTION D. Source Level Requirements**

Source of HAP Emissions and Existing Spark Ignition Stationary RICE =500 HP Located at a Major Source of HAP Emissions states:

As stated in §§63.6600, 63.6602, and 63.6640, you must comply with the following requirements for ... existing spark ignition stationary RICE =500 HP located at a major source of HAP emissions:

For each 6. Emergency stationary SI RICE and black start stationary SI RICE you must meet the following requirement:

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

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.

The Emergency Air Compressor Engine (Source ID 118) is an existing, 4-cycle, rich burn, spark ignition RICE.]

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**

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

**What are my general requirements for complying with this subpart?**

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

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

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

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

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

(a) - (d) N/A.

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

(1) N/A.

**SECTION D. Source Level Requirements**

(2) An existing emergency ... stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;

(3) - (10) N/A.

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

(g) N/A.

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

(i) N/A.

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

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]**

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

**How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

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

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in ... Table 2c, ... to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. ...

(c) - (d) N/A.

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

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all

**SECTION D. Source Level Requirements**

requirements for non-emergency engines.

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

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE 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. ...

(ii) - (iii) N/A.

(3) - (4) N/A.

[Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, and Other Requirements states:

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

For each 9. Existing emergency ... stationary RICE =500 HP located at a major source of HAP, ... complying with the requirement to a. Work or Management practices

You must demonstrate continuous compliance by

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

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

Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ states:

The provisions in Table 8 are included by reference.]

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]**

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

**What notifications must I submit and when?**

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

(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

(2) - (5) N/A.

(b) - (c) N/A.

(d) As specified in §63.9(b)(2), if you start up your stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions before the effective date of this subpart and you are required to submit an initial

**SECTION D. Source Level Requirements**

notification, you must submit an Initial Notification not later than July 16, 2008.

(e) - (i) N/A.

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What reports must I submit and when?**

(a) N/A.

(b) ... you must submit each report ... according to the requirements in paragraphs (b)(1) through (b)(9) of this section

(1) - (4) N/A.

(5) For each stationary RICE that is subject to permitting regulations pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6 (a)(3)(iii)(A), you may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (b)(4) of this section.

(6) - (9) N/A.

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

(1) Company name and address.

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

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

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

(5) - (6) N/A.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

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

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

(e) N/A.

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). ...

(g) - (h) N/A.

**SECTION D. Source Level Requirements****# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

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

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

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

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

(4) N/A.

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

(b) - (c) N/A.

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

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

(1) N/A.

(2) An existing stationary emergency RICE.

(3) N/A.

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. ...

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) N/A.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

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

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

**SECTION D. Source Level Requirements**

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

**# 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What definitions apply to this subpart?**

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

...

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

- (1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or operating limitation;
- (2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or
- (3) Fails to meet any emission limitation or operating limitation in this subpart during malfunction, regardless or whether or not such failure is permitted by this subpart.
- (4) Fails to satisfy the general duty to minimize emissions established by §63.6(e)(1)(i).

Emergency stationary RICE means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in §63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in §63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

(1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.

(2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §63.6640(f).

(3) N/A.

Engine startup means the time from initial start until applied load and engine and associated equipment reaches steady state or normal operation. For stationary engine with catalytic controls, engine startup means the time from initial start until applied load and engine and associated equipment, including the catalyst, reaches steady state or normal operation.

Four-stroke engine means any type of engine which completes the power cycle in two crankshaft revolutions, with intake and compression strokes in the first revolution and power and exhaust strokes in the second revolution.

...

Malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

...

Oil and gas production facility as used in this subpart means any grouping of equipment where hydrocarbon liquids are

**SECTION D. Source Level Requirements**

processed, upgraded (i.e., remove impurities or other constituents to meet contract specifications), or stored prior to the point of custody transfer; or where natural gas is processed, upgraded, or stored prior to entering the natural gas transmission and storage source category. For purposes of a major source determination, facility (including a building, structure, or installation) means oil and natural gas production and processing equipment that is located within the boundaries of an individual surface site as defined in this section. Equipment that is part of a facility will typically be located within close proximity to other equipment located at the same facility. Pieces of production equipment or groupings of equipment located on different oil and gas leases, mineral fee tracts, lease tracts, subsurface or surface unit areas, surface fee tracts, surface lease tracts, or separate surface sites, whether or not connected by a road, waterway, power line or pipeline, shall not be considered part of the same facility. Examples of facilities in the oil and natural gas production source category include, but are not limited to, well sites, satellite tank batteries, central tank batteries, a compressor station that transports natural gas to a natural gas processing plant, and natural gas processing plants.

...

Rich burn engine means any four-stroke spark ignited engine where the manufacturer's recommended operating air/fuel ratio divided by the stoichiometric air/fuel ratio at full load conditions is less than or equal to 1.1. Engines originally manufactured as rich burn engines, but modified prior to December 19, 2002 with passive emission control technology for NOX (such as pre-combustion chambers) will be considered lean burn engines. Also, existing engines where there are no manufacturer's recommendations regarding air/fuel ratio will be considered a rich burn engine if the excess oxygen content of the exhaust at full load conditions is less than or equal to 2 percent.

...

Spark ignition means relating to either: A gasoline-fueled engine; or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for CI and gaseous fuel (typically natural gas) is used as the primary fuel at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark ignition engines.

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

...

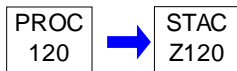
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: METHANOL STORAGE TANK (6,000 GAL)

Source Capacity/Throughput: 100.000 CF/HR

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

The provisions of this section apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. Section 129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing VOCs) applies to this section. ...

**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. \*\*\***

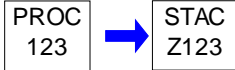


**SECTION D. Source Level Requirements**

Source ID: 123

Source Name: NG COMPRESSORS 1-12 (12 COMPRESSORS)

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

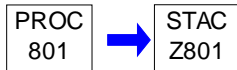
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 801

Source Name: PIG LAUNCHER AND RECEIVER

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

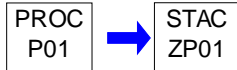
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P01

Source Name: FACILITY PUMPS, VALVES, FLANGES, ETC.

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: SG01

Group Description: Convective Heaters

Sources included in this group

ID	Name
036	CONVECTIVE HEATER 1 (17.12 MMBTU/HR, NG)
037	CONVECTIVE HEATER 2 (17.12 MMBTU/HR, NG)

**I. RESTRICTIONS.****Operation Hours Restriction(s).**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Convective Heater 1 (Source ID 036) and Convective Heater 2 (Source ID 037) shall not operate simultaneously, at any time.

[This restriction is carried forward from PA-65-00837A.]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: SG02

Group Description: Combustion Units

**Sources included in this group**

ID	Name
031	BOILER 1 (16.74 MMBTU/HR, NG)
032	BOILER 2 (16.74 MMBTU/HR, NG)
036	CONVECTIVE HEATER 1 (17.12 MMBTU/HR, NG)
037	CONVECTIVE HEATER 2 (17.12 MMBTU/HR, NG)

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

(a) A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

(1) The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

(2) - (3) N/A.

(b) N/A.

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

The processes in Source Group G02 (Source IDs 031, 032, 036, and 037) shall not emit 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 10% for a period or periods aggregating more than three minutes in any 1 hour.

(2) Equal to or greater than 30% at any time.

[This restriction is carried forward from PA-65-00837A.]

**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).

**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).

**VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §129.96]****Applicability**

(a) - (b) (See Section C of this permit.)

(c) This section and § § 129.97 - 129.100 do not apply to the owner and operator of a NO<sub>x</sub> air contamination source located at a major NO<sub>x</sub> emitting facility that has the potential to emit less than 1 TPY of NO<sub>x</sub> that has the potential to emit less than 1 TPY of NO<sub>x</sub>, ....

(d) N/A.

[Each of Boilers 1 and 2 (Source IDs 031 & 032) and each of Convective Heaters 1 and 2 (Source IDs 036 & 037) have a NO<sub>x</sub> emission potential Greater Than or Equal (GTE) 1 TPY and is at a major NO<sub>x</sub> emitting facility. Therefore, they are subject to applicable requirements under § § 129.96 - 129.100 (RACT II).]

**# 004 [25 Pa. Code §129.97]****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) - (h) located at a major NO<sub>x</sub> emitting facility ... subject to § 129.96 (relating to applicability) shall comply with the applicable presumptive RACT requirement ..., beginning with the specified compliance date as follows ...:

(1) January 1, 2017, for a source subject to § 129.96(a).

(2) N/A.

(b) The owner and operator of a source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility ... subject to § 129.96 shall comply with the following:

(1) - (2) N/A.

(3) The applicable recordkeeping requirements of § 129.100(d), (e) or (f) (relating to compliance demonstration and recordkeeping requirements).

(c) The owner and operator of a source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility ... subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices:

(1) - (2) N/A.

(3) A boiler or other combustion source with an individual rated gross heat input less than 20 million Btu/hour.

(4) - (8) N/A.

(d) - (m) N/A.

[Each of Boilers 1 and 2 (Source IDs 031 & 032) and each of Convective Heaters 1 and 2 (Source IDs 036 & 037) are rated less than 20 MMBtu per hour. Therefore, they are subject to the applicable requirements in Paragraph (c).]

**# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) - (c) N/A.

**SECTION E. Source Group Restrictions.**

(d) The owner and operator of an air contamination source subject to this section and § § 129.96 - 129.99 shall keep records to demonstrate compliance with § § 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96 - 129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(e) - (f) N/A.

**# 006 [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, ... boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP ....

[Boilers 1 and 2 (Source IDs 031 & 032) and Convective Heaters 1 and 2 (Source IDs 036 & 037) are subject to the applicable requirements of 40 CFR Part 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.]

**# 007 [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 ... 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, ... boilers and process heaters within a subcategory as defined in §63.7575.

(2) N/A.

(b) A boiler or process heater is new if you commence construction of the boiler or process heater after June 4, 2010, and you meet the applicability criteria at the time you commence construction.

(c) A boiler or process heater is reconstructed if you meet the reconstruction criteria as defined in §63.2, you commence reconstruction after June 4, 2010, and you meet the applicability criteria at the time you commence reconstruction.

(d) A boiler or process heater is existing if it is not new or reconstructed.

(e) N/A.

[Boilers 1 and 2 (Source IDs 031 & 032) and Convective Heaters 1 and 2 (Source IDs 036 & 037) are existing units for this Subpart.]

**# 008 [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) N/A.

(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) N/A.

**SECTION E. Source Group Restrictions.**

(d) You must meet the notification requirements in §63.7545 according to the schedule in §63.7545 and in subpart A of this part. Some of the notifications must be submitted before you are required to comply with the emission limits and work practice standards in this subpart.

(e) - (j) N/A.

**# 009 [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 boilers and process heaters, as defined in §63.7575 are:

(a) - (k) N/A.

(l) Units designed to burn gas 1 fuels.

(m) - (u) N/A.

[Boilers 1 and 2 (Source ID 031 & 032) and Convective Heaters 1 and 2 (Source IDs 036 & 037) are designed to burn natural gas, which is a gas 1 fuel.]

**# 010 [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, .... 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 ... 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 ....

(i) - (iii) N/A.

(2) N/A.

(3) At all times, you must operate and maintain any affected source (as defined in §63.7490) in a manner consistent with safety and good air pollution control practices for minimizing emissions. ....

(b) - (e) N/A.

(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown ....

[Table 3 - Work Practice Standards states:

As stated in §63.7500, you must comply with the following applicable work practice standards:

If your unit is 3. A(n) ... existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater, you must meet the following:

Conduct a tune-up of the boiler or process heater annually as specified in §63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions under this subpart.

And

If your unit is 4. An existing boiler or process heater located at a major source facility, not including limited use units, you must meet the following:



**SECTION E. Source Group Restrictions.**

Must have a one-time energy assessment performed by a qualified energy assessor. ...

[The requirements of both 3 and 4, in Table 3, apply to Boilers 1 and 2 (Source IDs 031 & 032) and Convective Heaters 1 and 2 (Source IDs 036 & 037). Per Table 3-3., Boilers 1 and 2 and Convective Heaters 1 and 2 must have an annual tune-up. Any of these boilers, or process heaters, trigger the requirement for an energy assessment. The, one-time, energy assessment required in 4 of Table 3 has been completed.]

**# 011 [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 ... work practice standards ... in this subpart.

(b) - (e) N/A.

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]**

**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.**

**What are my initial compliance requirements and by what date must I conduct them?**

(a) - (d) N/A.

(e) ... You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than the compliance date specified in §63.7495 .... You must complete the one-time energy assessment specified in Table 3 to this subpart no later than the compliance date specified in §63.7495.

(f) - (k) N/A.

[The initial tune-up and, one-time, energy assessment were completed before the compliance date.]

**# 013 [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) N/A.

(d) If you are required to meet an applicable tune-up work practice standard, you must conduct an annual, ... performance tune-up according to §63.7540(a)(10) .... Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. ...

(e) - (i) N/A.

**# 014 [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?**

(a) You must demonstrate continuous compliance with ... the work practice standards in Table 3 to this subpart, ... that applies to you according to the methods specified in ... paragraphs (a)(1) through (19) of this section.

(1) - (9) N/A.

(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. ...

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform

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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). ...;

(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 ...

(C) N/A.

(11) - (12) N/A.

(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) N/A.

(b) - (d) N/A.

**# 015 [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) through (h) that apply to you by the dates specified.

(b) [Completed. No ongoing requirements.]

(c) - (d) N/A.

(e) [Completed. No ongoing requirements.]

(f) - (h) N/A.

**# 016 [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.

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(b) ... 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 ... tune-up according to §63.7540(a)(10) ..., respectively, and not subject to emission limits or Table 4 operating limits, you may submit only an annual ... compliance report, as applicable, as specified in paragraphs (b)(1) through (4) of this section ...

(1) ... If submitting an annual ... 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 ... years, as applicable, after the compliance date that is specified for your source in §63.7495.

(2) ... The first annual ... compliance report must be postmarked or submitted no later than January 31.

(3) ... Annual ... compliance reports must cover the applicable 1-... year periods from January 1 to December 31.

(4) ... Annual ... compliance reports must be postmarked or submitted no later than January 31.

(5) N/A.

(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 ....

(2) - (4) N/A.

(5)(i) Company and Facility name and address.

(ii) Process unit information ....

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

(iv) -(xiii) N/A.

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual ... 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 ... and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) - (xvi) N/A.

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

(xviii) N/A.

(d) -(g) N/A.

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

(1) - (2) N/A.

(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

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later than 90 days after the form becomes available in CEDRI.

[Table 9 - Reporting Requirements states:

As stated in §63.7550, you must comply with the following requirements for reports:

You must submit a 1. Compliance report. The report must contain a. Information required in §63.7550(c)(1) through (5); and you must submit the report ... annually ... according to the requirements in §63.7550(b).]

**# 017 [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) N/A.

(b) - (h) N/A.

**# 018 [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.

**# 019 [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?**

Terms used in this subpart are defined in the Clean Air Act, in §63.2 (the General Provisions), and in this section as follows:

...

Boiler means an enclosed device using controlled flame combustion and having the primary purpose of recovering thermal energy in the form of steam or hot water. Controlled flame combustion refers to a steady-state, or near steady-state, process wherein fuel and/or oxidizer feed rates are controlled. ...

Boiler system means the boiler and associated components, such as, the feed water system, the combustion air system, the fuel system (including burners), blowdown system, combustion control systems, steam systems, and condensate return systems.

...

Energy management practices means the set of practices and procedures designed to manage energy use that are demonstrated by the facility's energy policies, a facility energy manager and other staffing responsibilities, energy performance measurement and tracking methods, an energy saving goal, action plans, operating procedures, internal

**SECTION E. Source Group Restrictions.**

reporting requirements, and periodic review intervals used at the facility.

Energy management program means a program that includes a set of practices and procedures designed to manage energy use that are demonstrated by the facility's energy policies, a facility energy manager and other staffing responsibilities, energy performance measurement and tracking methods, an energy saving goal, action plans, operating procedures, internal reporting requirements, and periodic review intervals used at the facility. Facilities may establish their program through energy management systems compatible with ISO 50001.

Energy use system includes the following systems located on-site that use energy (steam, hot water, or electricity) provided by the affected boiler or process heater: process heating; compressed air systems; machine drive (motors, pumps, fans); process cooling; facility heating, ventilation, and air-conditioning systems; hot water systems; building envelop; and lighting; or other systems that use steam, hot water, process heat, or electricity provided by the affected boiler or process heater. Energy use systems are only those systems using energy clearly produced by affected boilers and process heaters.

...

Gaseous fuel includes, but is not limited to, natural gas, process gas, landfill gas, coal derived gas, refinery gas, and biogas. ...

...

Industrial boiler means a boiler used in manufacturing, processing, mining, and refining or any other industry to provide steam, hot water, and/or electricity.

...

Major source for oil and natural gas production facilities, as used in this subpart, shall have the same meaning as in §63.2, except that:

(1) - (3) N/A.

...

Natural gas means:

(1) A naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane; or

(2) N/A; or

(3) A mixture of hydrocarbons that maintains a gaseous state at ISO conditions. Additionally, natural gas must either be composed of at least 70 percent methane by volume or have a gross calorific value between 35 and 41 megajoules (MJ) per dry standard cubic meter (950 and 1,100 Btu per dry standard cubic foot); or

(4) N/A.

...

Tune-up means adjustments made to a boiler or process heater in accordance with the procedures outlined in §63.7540(a)(10).

...

Unit designed to burn gas 1 subcategory includes any boiler or process heater that burns only natural gas, refinery gas, and/or other gas 1 fuels. ...



**SECTION E. Source Group Restrictions.**

...

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

**SECTION E. Source Group Restrictions.**

Group Name: SG03

Group Description: Compressor Engines with Oxidation Catalysts

Sources included in this group

ID	Name
102	COMPRESSOR ENGINE 2 (2,500-BHP, 2SLB, NG, WITH OX.CAT.)
103	COMPRESSOR ENGINE 3 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)
104	COMPRESSOR ENGINE 4 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)
108	COMPRESSOR ENGINE 8 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Emissions from each of Compressor Engines 2 - 4, and 8 (Source IDs 102-104, & 108), during normal operation, shall not exceed the following limits:

3.10 pounds of carbon monoxide and

1.65 pounds of volatile organic compounds\*, per hour.

Emissions, during any type of operation from each of Compressor Engines 102-104 and 108, shall also not exceed:

15.76 tons of carbon monoxide and

7.22 tons of volatile organic compounds\*, during any consecutive 12-month period.

[\* Based on U.S. EPA Method 25A (insensitive to formaldehyde), on an as-propane basis, corrected for non-VOC organic compounds, and/or either of Methods 18 or 320, or Agency approved equivalent, corrected to the basis of Method 25A as shown in §60.4244(g).

Normal operation is defined as all periods when the engine is operating, excluding periods of startup and shutdown. Startup is the period from the beginning of engine operation until normal conditions are reached. Shutdown is the period from normal operation until engine rotation ceases. Neither startup nor shutdown periods shall exceed 30-minutes in duration.

These hourly limits on emissions from each of Compressor Engines 2-4, and 8 were established in PA-65-00837B, and were not superseded by requirements in RACT II. They are equivalent to 0.56 grams of CO and 0.30 grams of VOC, per bhp, per hour, at rated load. The annual limits are equivalent to the hourly limit with continuous operation. Also, the NO<sub>x</sub> emission limits, established under the PA, for these engines, are equivalent to the presumptive RACT II limit of 3.0 grams NO<sub>x</sub>/bhp-hr, shown in Paragraph (g)(3)(i)(A) of the Permit Condition attributed to 25 Pa. Code §129.97, and were superseded by requirements in RACT II.]

**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).

**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).

**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.**

Each oxidation catalyst shall be maintained per the manufacturer's recommendations. The maintenance schedule for each unit and records of all maintenance activities performed on each unit shall be maintained in a log.

**VII. ADDITIONAL REQUIREMENTS.**

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

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



**SECTION E. Source Group Restrictions.**

Group Name: SG04

Group Description: Compressor Engines with no Downstream Emission Control

Sources included in this group

ID	Name
101	COMPRESSOR ENGINE 1 (2,500-BHP, 2SLB, NG)
105	COMPRESSOR ENGINE 5 (2,500-BHP, 2SLB, NG)
106	COMPRESSOR ENGINE 6 (2,500-BHP, 2SLB, NG)
107	COMPRESSOR ENGINE 7 (2,500-BHP, 2SLB, NG)
109	COMPRESSOR ENGINE 9 (2,500-BHP, 2SLB, NG)
110	COOPER GMW-10TF, COMPRESSOR ENGINE 10 (2,500-BHP, 2SLB, NG)
111	COMPRESSOR ENGINE 11 (2,500-BHP, 2SLB, NG)
112	COMPRESSOR ENGINE 12 (2,500-BHP, 2SLB, NG)

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Emissions from each of Compressor Engines 1, 5 - 7, and 9 - 12 (Source IDs 101, 105-107, & 109-112), during normal operation, shall not exceed the following limits:

8.36 pounds of carbon monoxide and

1.65 pounds of volatile organic compounds\*, per hour.

Emissions, during any type of operation, from each of Compressor Engines 1, 5 - 7, and 9 - 12 shall also not exceed:

36.2 tons of carbon monoxide and

7.22 tons of volatile organic compounds\*, during any consecutive 12-month period.

[\* Based on U.S. EPA Method 25A (insensitive to formaldehyde), on an as-propane basis, corrected for non-VOC organic compounds, and/or either of Methods 18 or 320, or Agency approved equivalent, corrected to the basis of Method 25A as shown in §60.4244(g).

Normal operation is defined as all periods when the engine is operating, excluding periods of startup and shutdown. Startup is the period from the beginning of engine operation until normal conditions are reached. Shutdown is the period from normal operation until engine rotation ceases. Neither startup nor shutdown periods shall exceed 30-minutes in duration.

These hourly limits on emissions from each of Compressor Engines 1, 5 - 7, and 9 - 12 were established in PA-65-00837B and were not superseded by requirements in RACT II. They are equivalent to 1.52 grams of CO and 0.30 grams of VOC, per bhp, per hour, at rated load. The annual limits are equivalent to the hourly limit with continuous operation. Also, the NOx emission limits, established under the PA, for these engines, are equivalent to the presumptive RACT II limit of 3.0 grams NOx/bhp-hr, shown in Paragraph (g)(3)(i)(A) of the Permit Condition attributed to 25 Pa. Code §129.97, and were superseded by requirements in RACT II.]

**II. TESTING REQUIREMENTS.**

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

**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).

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION E. Source Group Restrictions.**

Group Name: SG05

Group Description: All Compressor Engines

Sources included in this group

ID	Name
101	COMPRESSOR ENGINE 1 (2,500-BHP, 2SLB, NG)
102	COMPRESSOR ENGINE 2 (2,500-BHP, 2SLB, NG, WITH OX.CAT.)
103	COMPRESSOR ENGINE 3 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)
104	COMPRESSOR ENGINE 4 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)
105	COMPRESSOR ENGINE 5 (2,500-BHP, 2SLB, NG)
106	COMPRESSOR ENGINE 6 (2,500-BHP, 2SLB, NG)
107	COMPRESSOR ENGINE 7 (2,500-BHP, 2SLB, NG)
108	COMPRESSOR ENGINE 8 (2,500-BHP, 2SLB, NG, WITH OX. CAT.)
109	COMPRESSOR ENGINE 9 (2,500-BHP, 2SLB, NG)
110	COOPER GMW-10TF, COMPRESSOR ENGINE 10 (2,500-BHP, 2SLB, NG)
111	COMPRESSOR ENGINE 11 (2,500-BHP, 2SLB, NG)
112	COMPRESSOR ENGINE 12 (2,500-BHP, 2SLB, NG)

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

The sum of CO emissions from Compressor Engines 1 - 12 (Source IDs 101 - 112) shall not exceed 165.0 tons, during any consecutive 12-month period.

[This emission limit was carried forward from PA-65-00837B.]

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

The engines in Source Group G05 (Source IDs 101 - 112) shall not emit 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 10% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 30% at any time.

[This restriction is carried forward from PA-65-00837B.]

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

Periodic stack testing in accordance with 25 Pa. Code Chapter 139 and the Department Source Testing Manual shall be conducted on each of Compressor Engines 1 - 12 (Source IDs 101 - 112), one time in each 5-year calendar year period, with the maximum intervals between tests no greater duration than 62-months. This testing shall determine the emission rates for NOx, CO, VOC, and formaldehyde. Testing procedures shall use EPA Methods 18/25A or 25A/320 to determine emissions of VOC and Method 320 to determine emission of formaldehyde, or alternate or successor methods, approved by the Department. Testing shall be conducted while this source is operating at full speed and within 10% of full load.

[The previous Operating Permit, in a Permit Condition authorized by RACT, required stack testing of Compressor Engines 1 - 12 (Source IDs 1 - 12) to take place during the ozone season (The period between April 1 and October 31.). Per the Department, this Permit Condition, which is imposed under the requirements of RACT II, supersedes the older RACT

**SECTION E. Source Group Restrictions.**

requirement. However, at the time of issue of this permit, the older RACT requirement is still contained in the Pa. State Implementation Plan (SIP). EPA has not yet replaced this older RACT requirement, by the superseding RACT II requirements in the Pa. SIP.]

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

The following testing shall also be conducted on each of Compressor Engines 1 - 12 (Source IDs 101 - 112):

If the engine has operated 750 hours or more during the previous calendar year, this testing shall be conducted once during each semiannual calendar year period (January 1 - June 30 & July 1 - December 31). If the engine has operated less than 750 hours during the previous calendar year, this testing shall be conducted one time in each calendar year period, with the maximum intervals between tests no greater duration than fourteen months.

If the engine is non-operational during the required testing period, the unit is not required to start up solely to conduct the emissions testing, provided the testing is completed as soon as practical following engine startup.

Emissions from this engine shall be tested through either an EPA Method stack test, or through the use of portable analyzers, in order to verify the rates of NO<sub>x</sub>, CO, and VOC. If testing through an EPA Method stack test, VOC testing by US EPA Methods 18/25A or 25A/320 or 320 (or Agency approved equivalent) shall be accepted to determine compliance with the emission limits above. Determination of VOC emissions should be made to be equivalent to those that would be measured by EPA Method 25A, corrected for non-VOC (such as methane or ethane) organic compounds.

If this testing conforms with the requirements of other testing required in this permit, it may also be used to comply with those requirements.

For testing utilizing portable analyzers, unless previously submitted to the Department, the Owner/Operator shall submit a complete operating procedure including calibration, QA/QC and emissions calculation methods to the Department at least 60 days prior to the actual stack test program. For portable sampling methods, VOC analysis may utilize a bag sample and laboratory analysis.

**III. MONITORING REQUIREMENTS.**

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

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

The Owner/Operator shall maintain records, sufficient to determine compliance with terms and conditions of this permit, including, but not limited to:

- a. Hours of operation,
- b. Emission testing results
- c. Upset conditions and malfunctions
- d. The date of tuning procedures and/or routine maintenance, including cleaning of the oxidation catalyst (If equipped.).

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 006 [25 Pa. Code §129.96]****Applicability**

(a) (See Section C of this permit.)

(b) N/A.

(c) This section and §§ 129.97 - 129.100 do not apply to the owner and operator of a NO<sub>x</sub> air contamination source located at a major NO<sub>x</sub> emitting facility that has the potential to emit less than 1 TPY of NO<sub>x</sub> that has the potential to emit less than 1 TPY of NO<sub>x</sub>, or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

(d) N/A.

[Each of Compressor Engines 1 - 12 (Source IDs 101 - 112) has NO<sub>x</sub> and VOC emission potentials GTE 1 TPY and is at a major NO<sub>x</sub> and VOC emitting facility. Therefore, they are subject to applicable requirements under §§ 129.96 - 129.100 (RACT II).]

**# 007 [25 Pa. Code §129.97]****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) - (h) located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.96 (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, ....

(1) January 1, 2017, for a source subject to § 129.96(a).

(2) N/A.

(b) The owner and operator of a source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.96 shall comply with the following:

(1) - (2) N/A.

(3) The applicable recordkeeping requirements of § 129.100(d), (e) or (f) (relating to compliance demonstration and recordkeeping requirements).

(c) - (f) N/A.

(g) Except as specified under subsection (c), the owner and operator of a NO<sub>x</sub> air contamination source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility or a VOC air contamination source specified in this subsection, which is located at a major VOC emitting facility subject to § 129.96 may not cause, allow or permit NO<sub>x</sub> or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation:

(1) - (2) N/A.

(3) A stationary internal combustion engine:

(i) For a lean burn stationary internal combustion engine with a rating equal to or greater than 500 bhp fired with:

(A) Natural gas or a noncommercial gaseous fuel, 3.0 grams NO<sub>x</sub>/bhp-hr.

(B) Natural gas or a noncommercial gaseous fuel, liquid fuel or dual-fuel, 1.0 gram VOC/bhp-hr excluding formaldehyde.

(ii) - (iii) N/A.

(4) N/A.

**SECTION E. Source Group Restrictions.**

(h) - (m) N/A.

[Each of Compressor Engines 1 - 12 (Source IDs 101-112) is subject to the output based NOx emission limit in (g)(3)(i)(A), which is equivalent to 16.53 pounds per hour, or 72.4 tons per year, at continuous rated output. Each engine is also subject to the output based VOC emission limit in (g)(3)(i)(B), which is equivalent to 5.51 pounds per hour, or 24.14 tons per year, at continuous rated output. This emission limits are only effective during normal operation at rated output.

The VOC emission limits in Source Group G03, Condition #001 and Source Group G04, Condition #001 assure compliance with the VOC emission limit in this Condition.]

**# 008 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) ... the owner and operator of an air contamination source subject to a NOx requirement or RACT emission limitation or VOC requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations ...) shall demonstrate compliance with the applicable ... RACT emission limitation by performing the following monitoring or testing procedures:

(1) - (3) N/A.

(4) For an air contamination source without a CEMS, 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. (With intervals between tests no greater than 62 months)

(b) ... the owner and operator of an air contamination source subject to subsection (a) shall demonstrate compliance with the applicable ... RACT emission limitation in accordance with the procedures in subsection (a) not later than:

(1) January 1, 2017, for a source subject to § 129.96(a) (relating to applicability).

(2) N/A.

(c) NA.

(d) The owner and operator of an air contamination source subject to this section and § § 129.96 - 129.99 shall keep records to demonstrate compliance with § § 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96 - 129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(e) - (h) N/A.

(i) 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.

[Conformance with the requirements for stack testing Condition #003, following the general testing requirements in Section C, II. Testing Requirements of this permit, will ensure compliance with the requirements for periodic testing in Section (a)(4).

To meet the requirement in (b)(1) of this Condition, stack testing of the entire set of compressor engines (Source IDs 101 - 112) began on November 29, 2016, and was completed on December 14, 2016.]

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

**SECTION E. Source Group Restrictions.**

Group Name: SG06

Group Description: Auxiliary Generator Engines

Sources included in this group

ID	Name
116	AUXILIARY GENERATOR ENGINE 1 (1,445-BHP, 4SRB, NG)
117	AUXILIARY GENERATOR ENGINE 2 (1,445-BHP, 4SRB, NG)

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

Emissions from each of Auxiliary Generator Engines 1 and 2 (Source IDs 116 & 117), during normal operation, shall not exceed the following limit:

28.67 Pounds of Nitrogen Oxides (as NO<sub>2</sub>) per hour.

Emissions, during any type of operation from each of Auxiliary Generator Engines 1 and 2, shall also not exceed:

10.89 Tons of Nitrogen Oxides (as NO<sub>2</sub>), during any concurrent 12-month period, updated monthly.

[The hourly limit on emissions from each of Auxiliary Generator Engines 1 and 2 was established under RACT I, and was not superseded by requirements in RACT II. The annual emission limit is the annual NO<sub>x</sub> limit for RACT I, proportioned for the less than 500-hr operational limit taken for RACT II. The hourly limit is equivalent to the engine emitting 9.0 grams of NO<sub>x</sub>, per horsepower, per hour, at its rated load.

Normal operation is defined as all periods when the engine is operating, excluding periods of startup and shutdown. Startup is the period from the beginning of engine operation until normal conditions are reached. Shutdown is the period from normal operation until engine rotation ceases. Neither startup nor shutdown periods shall exceed 30-minutes in duration.]

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

The engines in Source Group G06 (Source IDs 116 & 117) shall not emit 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 10% for a period or periods aggregating more than three minutes in any 1 hour.

(2) Equal to or greater than 30% at any time.

[This restriction is carried forward from PA-65-00837A.]

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

Each of Auxiliary Generator Engines 1 and 2 (Source IDs 116 & 11) shall operate fewer than 500-hours during each consecutive 12-month period, updated monthly.

[This operating limit was taken by the company for these engines to comply with RACT II.]

**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).

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

The owner/operator shall keep records of the hours of operation of this engine, and maintain them on a monthly basis, to determine emissions, and compliance with the 12-month limit on hours of operation.

**VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §129.96]****Applicability**

(a) (See Section C of this permit.)

(b) N/A.

(c) This section and § § 129.97 - 129.100 do not apply to the owner and operator of a NO<sub>x</sub> air contamination source located at a major NO<sub>x</sub> emitting facility that has the potential to emit less than 1 TPY of NO<sub>x</sub> that has the potential to emit less than 1 TPY of NO<sub>x</sub> ... contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

(d) N/A.

[Each of Auxiliary Generator Engines 1 and 2 (Source IDs 116 & 117) has a NO<sub>x</sub> emission potential GTE 1 TPY and is at a major NO<sub>x</sub> and VOC emitting facility. Therefore, they are subject to applicable requirements under § § 129.96 - 129.100 (RACT II).]

**# 006 [25 Pa. Code §129.97]****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) - (h) located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.96 (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, ...

(1) January 1, 2017, for a source subject to § 129.96(a).

(2) N/A.

(b) The owner and operator of a source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.96 shall comply with the following:

(1) - (2) N/A.



**SECTION E. Source Group Restrictions.**

(3) The applicable recordkeeping requirements of § 129.100(d), (e) or (f) (relating to compliance demonstration and recordkeeping requirements).

(c) - The owner and operator of a source specified in this subsection, which is located at a major NO<sub>x</sub> emitting facility or major VOC emitting facility subject to § 129.96 shall install, maintain and operate the source in accordance with the manufacturer's specifications and with good operating practices:

(1) - (7) N/A.

(8) An emergency standby engine operating less than 500 hours in a 12-month rolling period.

(d) - (m) N/A.

[Among other requirements, each of Auxiliary Generator Engines 1 and 2 (Source IDs 116 & 117) is subject to Paragraph (c) of this Condition.]

**# 007 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) - (c) NA.

(d) The owner and operator of an air contamination source subject to this section and § § 129.96 - 129.99 shall keep records to demonstrate compliance with § § 129.96 - 129.99 in the following manner:

(1) The records must include sufficient data and calculations to demonstrate that the requirements of § § 129.96 - 129.99 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

(e) - (h) N/A.

(i) 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.

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

1. The capacities/throughputs and other information listed in Section A, D, E, and this section, excluding those in permit restrictions, are for informational purposes only and are not enforceable limits.

2. The following description is for information purposes only:

This renewed Title V Operating Permit (TVOP) authorizes Eastern Gas Transmission and Storage, Inc. (EGTS) to operate a natural gas compressor station at their Oakford Compressor Station, located in Salem Township, Westmoreland County.

3. Also, the distance between Oakford and the Rock Springs Compressor Station is well less than 1/4 mile, and both stations are under common operational control. Because of this, the two compressor stations, combined, are treated as a single Title V facility. Since Rock Springs is jointly owned by EGTS and Texas Eastern Transmission, while Oakford is totally owned by EGTS, each station is permitted separately, with requirements based on the combined emissions of the facility. Therefore, the equipment at both Oakford Compressor Station and Rock Springs Compressor Station is subject to the applicable requirements of Title V and is also located at a Major Source of HAPs.

4. Air contamination sources are as follows:

Source ID 031 - Boiler 1 (16.74 MMBtu/hr, NG, Kewanee H3S-400-G).  
 Source ID 032 - Boiler 2 (16.74 MMBtu/hr, NG, Kewanee H3S-400-G).  
 Source ID 036 - Dehy. Convective Heater 1 (17.12 MMBtu/hr).  
 Source ID 037 - Dehy. Convective Heater 7 (17.12 MMBtu/hr).  
 Source ID 101 - Compressor Engine 1 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 102 - Compressor Engine 2 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 103 - Compressor Engine 3 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 104 - Compressor Engine 4 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 105 - Compressor Engine 5 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 106 - Compressor Engine 6 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 107 - Compressor Engine 7 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 108 - Compressor Engine 8 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 109 - Compressor Engine 9 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 110 - Compressor Engine 10 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 111 - Compressor Engine 11 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 112 - Compressor Engine 12 (2,500-bhp, 2SLB, NG, Cooper GMW-10TF).  
 Source ID 116 - Auxiliary Generator Engine 1 (1,445-bhp, 4SRB, NG).  
 Source ID 117 - Auxiliary Generator Engine 2 (1,445-bhp, 4SRB, NG).  
 Source ID 118 - Emergency Air Compressor Engine (400-bhp, 4SRB, NG).  
 Source ID 120 - Methanol Storage Tank (6,000 Gal.).  
 Source ID 123 - NG Compressors 1-12 (12 compressors, 2 piston rods each).  
 Source ID 801 - Pigging Activities.  
 Source ID P01 - Station Pumps, Valves, Flanges, etc.  
 Source ID P02 - Miscellaneous Sources.

5. Miscellaneous Sources (Source ID P02) consists of sources whose emissions are too small to list individually in this TVOP.

Presently these are:

2 - 0.160-MMBtu/hr Modine heaters. (RFD-65-00837D).  
 5 - 0.045 MMBtu/hr Reznor heaters and 1 - 0.1 MMBtu/hr, Payne condensing gas furnace. (RFD-65-00837E).  
 1 - 11-kw generator. (RFD-65-00837G).

6. Air emission controls are as follows:

Clean Burn Technology on each of the 12 compressor engines.  
 Oxidation catalysts on 4 of the compressor engines.

**SECTION H. Miscellaneous.**

7. The following emission sources at this facility are considered sources of minor significance:

Tank A-1, Lube Oil Tank (15,750 gal.)  
Tank A-2, Lube Oil Tank (15,750 gal.)  
Tank A-8, Lube Oil Tank (118 gal.)  
Tank B-1, Ethylene Glycol Tank (10,000 gal.)  
Tank B-2, Ethylene Glycol Tank (5,000 gal.)  
Tank D-5, Distillate Tank (15,000 gal.)  
Tank A-5, Waste/Used Oil Tank (1,000 gal.)  
Tank A-6, Waste/Used Oil Tank (1,570 gal.)  
Tank A-7, Waste/Used Oil Tank (1,570 gal.)  
Tank E-3, Waste/Used Oil Tank (947 gal.)  
Tank E-2, Waste/Used Oil Tank (947 gal.)  
Tank E-4, Waste/Used Oil Tank (1,000 gal.)  
Tank F-4, Dehydration Water Tank (15,000 gal.)  
Tank F-5, Dehydration Water Tank (15,000 gal.)  
Tank K-1, Wastewater Tank (15,000 gal.)  
Tank L-1, Gasoline Tank (500 gal.)  
Tank M-1, Diesel Tank (1,000 gal.)  
Tank P-1, Pipeline Fluids Tank (15,000 gal.)  
Tank P-2, Pipeline Fluids Tank (5,000 gal.)  
Field Brine Truck Tank (2,940 gal.)  
One (1) Space Heaters, A. O. Smith B180-852 (0.05 MMBtu/hr)  
One (1) Space Heaters, A. O. Smith GG4075 (0.04 MMBtu/hr)  
Two (2) Space Heaters, American Standard 100C948C0 (0.10 MMBtu/hr)  
Two (2) Space Heaters, Trane UH1D100A9601C (0.97 MMBtu/hr)  
One (1) Space Heater, Atlanta Stove ALTS (0.30 MMBtu/hr)  
One (1) Space Heater, Bryant 912SA60120S24 (0.12 MMBtu/hr)  
One (1) Space Heater, Desa, Int. CGN 12 (0.01 MMBtu/hr)  
One (1) Space Heater, Dunkirk Radiator CWD-4D (0.11 MMBtu/hr)  
Three (3) Space Heater, Hastings QF 100N (0.10 MMBtu/hr)  
One (1) Space Heater, Lennox CWB-4D (0.105 MMBtu/hr)  
Six (6) Space Heaters, Modine PV175AE0130 (0.18 MMBtu/hr)  
One (1) Space Heater, Modine PV175AE0130 (0.175 MMBtu/hr)  
Two (2) Space Heater, Modine (0.16 MMBtu/hr)  
Two (2) Space Heater, Modine PU100AE0130 (0.10 MMBtu/hr)  
One (1) Space Heater, Modine 72-50A (0.07 MMBtu/hr)  
One (1) Space Heater, Payne PG9MAB-060100 (0.109 MMBtu/hr)  
Four (4) Space Heater, Reznor UDAP (0.175 MMBtu/hr)  
One (1) Space Heater, Reznor UDAP (0.045 MMBtu/hr)  
One (1) Space Heater, Sears 764-732 (0.10 MMBtu/hr)  
One (1) Space Heater, State Select NOVT 971 (0.04 MMBtu/hr)  
One (1) Space Heater (0.199 MMBtu/hr)  
Two (2) Space Heaters (0.10 MMBtu/hr)  
One (1) Space Heaters (0.08 MMBtu/hr)  
One (1) Emergency Auxiliary Generator, Generac 94A02124-S (20 HP)

8. PADEP methodology for duration of observation and reduction of visual opacity data observed in accordance with EPA Method 9. The observer shall record observations in accordance with EPA Method 9 for minimum of 60 minutes. The data reduction methodology differs from EPA Method 9 in that it does not require a single continuous time interval and does not average datum of individual observations. Visual observations in accordance with Method 9 take place every 15 seconds and are recorded for this time interval. Since the observations of 20%, or greater, can be during multiple intervals, the number of high opacity observation readings are merely counted. For an emission limitation of opacity not to exceed 20% for a period aggregating more than three minutes in any 1 hour, a total of 13 observations greater than 20% would exceed this standard.



## SECTION H. Miscellaneous.

On November 4, 2019, this TVOP was amended to change the names of the Responsible Official and Permit Contact, on the TVOP. The name of the Responsible Official was changed from Brian C. Shepard to John M. Lamb, Vice President of Eastern Pipeline Operations. The name of the Permit Contact was changed from Rebekah Kiss to Glenn S. Boutillier, Environmental Specialist III.

On March 9, 2020, a minor modification was performed on this Operating Permit. The language of the comment in Condition #001, Section E, in both of Source Groups SG03 and SG04 was changed to indicate the location of the NOx emission limits for the Compressor Engines in Condition #003 (New), Section E, Source Group SG05, which was added to make clear these NOx limits. In addition, the language of Condition #004 (Old), Condition #005 (New), Section E, Source Group SG05 was changed to make clear the required timing for semi-annual (If the unit had operated 750 hours, or more, during the previous year.), or annual (If the unit had operated less than 750 hours during the previous year.) periodic NOx, CO, and VOC emission testing of the compressor engines. All of these changes were made to improve the clarity of existing permit requirements. None of these changes added, removed, or changed, requirements in the permit.

On December 27, 2021, this TVOP was amended to change the name of owner/operator from Dominion Energy Transmission, Inc. to Eastern Gas Transmission and Storage, Inc. Also, the name of the Responsible Official was changed from Brian C. Sheppard, Vice President of Pipeline Operations, to John M. Lamb, Vice President of Eastern Pipeline Operations. Finally, the name of the Permit Contact was changed from Rebekah Kiss, Supervisor, Environmental Regulatory, to Glenn S. Boutillier, Environmental Specialist. Also, the language of Section E, Source Group SG05, Condition #004, was inadvertently changed at this time.

On October 13, 2022, this TVOP was amended to change the language of Section E, Source Group SG05, Condition #004, back to the language used prior to December 27, 2021.



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

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