



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date: January 30, 2025

Effective Date: January 30, 2025

Expiration Date: December 31, 2029

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: 32-00230**

Federal Tax Id - Plant Code: 72-0378240-21

**Owner Information**

Name: TEXAS EASTERN TRANS LP  
Mailing Address: PO BOX 1642  
HOUSTON, TX 77251-1642

**Plant Information**

Plant: TEXAS EASTERN TRANS LP/ARMAGH STA  
Location: 32 Indiana County 32936 West Wheatfield Township  
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

**Responsible Official**

Name: ROBERT STEEDE  
Title: VP US OPERATIONS  
Phone: (713) 627 - 6119 Email: robert.steede@enbridge.com

**Permit Contact Person**

Name: SUSANN BROWN  
Title: SUPERVISOR S&R ENV OPS  
Phone: (908) 821 - 1825 Email: susann.brown@enbridge.com

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

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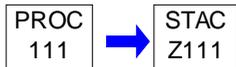
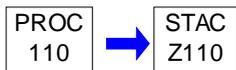
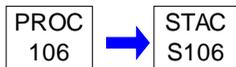
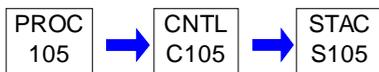
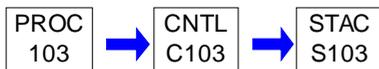
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
103	GENERAL ELECTRIC FRAME 5 TURBINE,M5001R-NT (31301),SN 127699	321.710 MMBTU/HR	
105	SOLAR TITAN 130 NATURAL GAS FIRED TURBINE	174.900 MMBTU/HR	
106	880HP WAUKESHA MODEL VGF36GL EMERGENCY NG ENGINE	N/A	Natural Gas
110	GAS RELEASES	N/A	Natural Gas
111	COMPONENT LEAKS	N/A	Natural Gas
C103	TURBINE OXIDATION CATALYST		
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S103	TURBINE STACK		
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Z110	FUGITIVE EMISSIONS ASSOCIATED WITH GAS RELEASES		
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**PERMIT MAPS**

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

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

**#002 [25 Pa. Code § 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.

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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 §§ 127.511 & 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.

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(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Construction or demolition of buildings or structures.

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

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

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7)-(8) Not applicable.

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

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

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

(b) Not applicable.

(c) See Work Practice Standards Requirements.

(d) Not applicable.

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 123.1(a)(1) -- (7) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

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

(a) Not applicable.

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

(c) Not applicable.

**# 004 [25 Pa. Code §123.41]****Limitations**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants from any source 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.

**SECTION C. Site Level Requirements**

(2) Equal to or greater than 60% at any time.

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

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

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

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Facility-wide VOC emissions shall not equal or exceed 50 tons per year on a 12-month rolling basis.

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

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

**SECTION C. Site Level Requirements**

(7) A fire set solely for cooking food.

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

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

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

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

(2) Not applicable.

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

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

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

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

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

**II. TESTING REQUIREMENTS.**

**# 008 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) On an annual basis, the permittee shall develop and perform a leak detection and repair (LDAR) program that includes the use of an optical gas imaging camera such as a forward looking infrared (FLIR) camera or a gas leak detector capable of reading methane concentrations in air of 0% to 5% with an accuracy of +/- 0.2%. The permittee may request, in writing, the use of other leak detection monitoring devices, approved, in writing, by the Department.

(b) The LDAR program must be conducted on valves, flanges, connectors, storage vessels/storage tanks, and compressor seals in natural gas or hydrocarbon liquids service. A release from any equipment or component designed by the manufacturer to protect the equipment, controller(s), safety of personnel, to prevent ground water contamination, to prevent gas migration, or an emergency situation is not considered a leak. Leaks shall be repaired no later than 15 calendar days after leaks are detected unless facility shutdowns or ordering of replacement parts are necessary for repair of the leaks.

(c) The permittee must submit a written request to the Northwest Regional Office for an extension of LDAR deadlines. This includes extensions required due to facility shutdowns and/or the ordering of replacement parts. The written request shall also include the reason(s) for the extension request and the schedule for completion of the repairs. The Department may grant an extension of the LDAR deadlines based upon the written request.

(d) The optical gas imaging camera or other Department-approved gas leak detection equipment shall be operated in accordance with manufacturer-recommended procedures.

(e) A leak is considered repaired if one of the following can be demonstrated:

(1) No detectable emissions consistent with EPA Method 21 specified in 40 CFR Part 60, Appendix A;

**SECTION C. Site Level Requirements**

- (2) A concentration of 2.5% methane or less using a gas leak detector and a VOC concentration of 500 ppm or less;
- (3) No visible leak image when using an optical gas imaging camera;
- (4) No bubbling at leak interface using a soap solution bubble test specified in EPA Method 21; or a procedure based on the formation of bubbles in a soap solution that is sprayed on a potential leak source may be used for those sources that do not have continuously moving parts and that do not have a surface temperature greater than the boiling point or less than the freezing point of the soap solution; or
- (5) Any other method approved, in writing, by the Department.
- (f) The permittee of a facility shall, at a minimum, on a monthly basis perform audible, visual, and olfactory (AVO) inspections.

[Additional authority for this condition is derived from 25 Pa. Code §123.1, §127.1, §127.25, and PA-32-00230B.]

**III. MONITORING REQUIREMENTS.****# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

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

- 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 potentially objectionable odors prohibited under 25 Pa. Code §123.31. 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.

[Authorization from plan approval 32-00230B]

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

Compliance with mass emission limits established in this operating permit may be demonstrated using engineering calculations based on fuel and raw material purchase records, manufacturers specifications, AP-42 emission factors, laboratory analyses, source test results, operating records, material balance methods, and/or other applicable methods with written Departmental approval.

**IV. RECORDKEEPING REQUIREMENTS.****# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The owner or operator shall maintain a logbook for the results of each monthly AVO inspections, including the date of each inspection performed and the name of the company representative performing the inspection.

**SECTION C. Site Level Requirements**

(b) Leaks, repair methods, and repair delays shall be recorded and maintained for a period of five years.

(c) All information generated to satisfy this recordkeeping condition shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

[Authorization from Plan Approval 32-00230B]

**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

All logs and required records shall be maintained on site, or at an alternative location acceptable to the Department, for a minimum of five (5) years and shall be made available to the Department upon request.

[Authorization from plan approval 32-00230B]

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

Compliance with Section C, Condition #006 shall be demonstrated by maintaining the following records:

(a) The permittee shall calculate VOC emissions from the facility on a 12-month rolling basis utilizing AP-42 emission factors, manufacturer supplied emission factors, mass material balance, performance (stack) test data, or other method(s) acceptable to the Department. The permittee shall maintain records of monthly VOC emissions and calculations.

(b) The permittee shall maintain records of the monthly and annual usage of each fuel consumed at the facility.

(c) The permittee shall maintain records of the daily average Facility natural gas VOC content using gas chromatograph sampling.

The permittee shall retain these records on site or at an alternative location acceptable to the Department for a minimum of five (5) years and be made available to the Department upon request.

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

Records of each visible stack, fugitive, and potentially objectionable odor inspection shall be maintained in a log and at a minimum include the date, time, name and title of the observer, along with any corrective action taken as a result. These records shall be kept on site or at an alternative location acceptable to the Department for a minimum of five years and made available to the Department upon request.

**# 016 [25 Pa. Code §135.21]****Emission statements**

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more oxides of nitrogen or 50 tons or more of VOC per year.

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

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

**SECTION C. Site Level Requirements**

following applies:

- (1) A more frequent submission is required by the EPA.
- (2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.
- (d) Not applicable.

**# 017 [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 §135.3 and §135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

**V. REPORTING REQUIREMENTS.****# 018 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator of each stationary source emitting criteria pollutants (including but not limited to NO<sub>x</sub>, CO, VOC [including formaldehyde], SO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>), HAP, greenhouse gases (GHG) in the form of CO<sub>2</sub> equivalent (CO<sub>2</sub>e), and GHG on a mass-basis 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 criteria pollutants, HAP (per the Department's Emissions Inventory Reporting Instructions), GHG in the form of CO<sub>2</sub>e, and GHG on a mass-basis 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 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.

[Authorization from Plan Approval 32-00230B]

**# 019 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/operator shall provide EPA with the notifications required by 40 CFR §60.7. Required notifications may include but are not necessarily limited to: date of commencement of construction (within 30 days after starting construction), actual start-up date (within 15 days after equipment start-up), physical or operational changes which may increase the emission rate of any air pollutant to which a standard applies (60 days or as soon as practicable before equipment start-up), and opacity observations (within 30 days).

[Authorization from Plan Approval 32-00230B]

**# 020 [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 reasonable 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 800-373-3398) 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.

**SECTION C. Site Level Requirements**

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. The time when the malfunction or breakdown was first observed;
- iv. The expected duration of increased emissions; and
- v. The 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.) Malfunctions shall be reported to the Department by OnBase Submittal, unless the Department directs otherwise:

Electronic Submittal

<http://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

PA DEP

Northwest Regional Office

814-332-6945

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

**# 021 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The Armagh Compressor Station is a Title V facility and as such, the Owner/Operator shall submit the semiannual monitoring reports for the Armagh Compressor Station by January 30 and July 30 of each year in accordance with Section B, Condition #025 of this permit and the annual monitoring reports in accordance with Section B, Condition #026 of this permit. The January 30 semiannual 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 25 Pa. Code §127.511(c), in no case shall the semiannual 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.

**# 022 [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 within 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) A source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 023 [25 Pa. Code §123.1]**

**Prohibition of certain fugitive emissions**

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

**SECTION C. Site Level Requirements**

- (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.

**# 024 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

All air contamination sources and air cleaning devices at this facility shall be operated in accordance with the manufacturer's specifications and be maintained according to the manufacturer's recommended maintenance schedule.

[Authorization from Plan Approval 32-00230B]

**VII. ADDITIONAL REQUIREMENTS.****# 025 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The applicable provisions of 40 CFR Part 98 are incorporated herein by reference.

[Authorization from Plan Approval 32-00230B]

**# 026 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this Title V Operating Permit may be in excess of the limitations specified in, or established pursuant to this plan approval or 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 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.

[Authorization from Plan Approval 32-00230B]

**VIII. COMPLIANCE CERTIFICATION.**

The permittee shall submit within thirty days of 01/01/2026 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

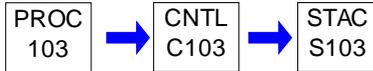
**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: GENERAL ELECTRIC FRAME 5 TURBINE,M5001R-NT (31301),SN 127699

Source Capacity/Throughput: 321.710 MMBTU/HR

Conditions for this source occur in the following groups: NOXBUDGET UNIT

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

(a) Subsections (b) and (c) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

(b) Not applicable.

(c) For processes not listed in subsection (b)(1), including but not limited to, coke oven battery waste heat stacks and autogeneous zinc coker waste heat stacks, the following shall apply:

(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds any of the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

(ii) - (iii) Not applicable.

(2) Not applicable.

(d) Not applicable.

**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Emission rates from the GE Frame 5 turbine shall be limited to the following based on a maximum of 5,371 hours of operation per consecutive 12-month period:

Air Contaminant:	Operating Condition:	Emission Rate:
NOx	Normal	25 ppmvd @15% O2
	Normal	29.07 lb/hr
	All	73.76 tpy
CO	Normal	6.12 lb/hr
	All	68.21 tpy
NMVOC (excluding aldehydes)	All	3.0 tpy (RACT 32-000-230)
VOC (including HCHO)	All	4.43 tpy

Compliance with the lb/hr limitations shall be demonstrated over a 3-hour block average; annual emission limitations in tons per year (tpy) apply in any consecutive 12-month period.

For the purposes of this condition, the "normal" operating condition excludes startup, shutdown, and low-temperature operation; the "all" operating conditions include normal, startup, shutdown, and low-temperature operation. The "startup" and "shutdown" shall be performed in accordance with GE procedures. Low temperature operation is operation at

**SECTION D. Source Level Requirements**

temperatures less than 0°F.

[Authorization from plan approval 32-00230B]

The aforementioned emission limits are more stringent than the presumptive RACT II requirements of 42 ppmvd NO<sub>x</sub> @ 15% oxygen as specified in 25 Pa. Code §129.97(g)(2)(i). As such, compliance with this condition demonstrates compliance with the presumptive RACT II requirements of 25 Pa. Code Chapter 129 for this source.

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

(g) The owner and operator of a NO<sub>x</sub> air contamination source listed in this subsection that is located at a major NO<sub>x</sub> emitting facility or a VOC air contamination source listed in this subsection that is located at a major VOC emitting facility subject to § 129.111 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 specified in the following paragraphs:

(1) Not applicable.

(2) The owner or operator of a:

(i)-(iv) Not applicable.

(v) Simple cycle or regenerative cycle combustion turbine with a rated output equal to or greater than 4,100 bhp and less than 60,000 bhp shall comply with the following presumptive RACT emission limitations as applicable:

(A) 42 ppmvd NO<sub>x</sub> @ 15% oxygen when firing natural gas or a noncommercial gaseous fuel.

(B)-(D) Not applicable.

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

Periods of startup and shutdown for this source shall be limited to 30 minutes or less.

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

This source shall not be operated for more than 5,371 hours of operation on a 12-month rolling basis. This includes periods of startup, shutdown, and low temperature operation.

[Clarification to Condition #001 authorized through Operating Permit renewal on June 3, 2019]

**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.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

A continuous emission monitoring system (CEMS) for NO<sub>x</sub> and CO must be installed on the GE Frame 5 Turbine and be operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the applicable requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual (274-0300-001). The CEMS needs to be certified and approved by the Department.

[Authorization from plan approval 32-00230B]

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain the following records for this source:

- 1.) Records demonstrating compliance with the emission limits in Section E, Condition #001 for this source (Source 103 - General Electric Frame 5 Turbine).
- 2.) The hours of operation of this source on a 12-month rolling basis.
- 3.) The date and the duration of each startup and shutdown period.

**# 008 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

(a) Completed.

(b) Except as specified in subsection (d), the owner and operator of an air contamination source subject to a NO<sub>x</sub> RACT requirement or RACT emission limitation or VOC RACT requirement or RACT emission limitation, or both, listed in § 129.112 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) For an air contamination source with a CEMS, monitoring and testing in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a 30-operating day rolling average.

(i) A 30-operating day rolling average emission rate for each applicable RACT emission limitation shall be calculated for an affected air contamination source for each consecutive operating day.

(ii) Each 30-operating day rolling average emission rate for an affected air contamination source must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

(c)-(e) Not applicable.

(f) The owner and operator of an air contamination source subject to this section and §§ 129.111—129.114 shall keep records to demonstrate compliance with §§ 129.111—129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111—129.114 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.

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(g)-(j) Not applicable.

(k) 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.

**SECTION D. Source Level 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) 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: SOLAR TITAN 130 NATURAL GAS FIRED TURBINE

Source Capacity/Throughput: 174.900 MMBTU/HR

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

(a) Subsections (b) and (c) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

(b) Not applicable.

(c) For processes not listed in subsection (b)(1), including but not limited to, coke oven battery waste heat stacks and autogeneous zinc coker waste heat stacks, the following shall apply:

(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds any of the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

(ii) - (iii) Not applicable.

(2) Not applicable.

(d) Not applicable.

**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Emission rates from the Solar Titan 130 turbine shall be limited to the following per consecutive 12-month period:

Air Contaminant:	Operating Condition:	Emission Rate:
NOx	Normal	15 ppmvd @15% O2
	Normal	9.46 lb/hr
	All	38.49 tpy
CO	Normal	0.48 lb/hr
	All	40.27 tpy
VOC (including HCHO)	Normal	0.8 lb/hr
	All	3.09 tpy
PM-10, PM-2.5	Normal	1.15 lb/hr
	All	4.65 tpy
CO2e	All	22,325 lb/hr
	All	83,640 tpy

Compliance with the lb/hr limitations shall be demonstrated over a 3-block average; compliance with the lb/hr limitation for CO2e shall be demonstrated over a 24-block average; annual emissions limitations in tons per year (tpy) apply in any consecutive 12-month period. For purposes of this condition, the "normal" operating condition excludes startup, shutdown, and low-temperature operation; "all" operating conditions include normal, startup, shutdown, and low-temperature

**SECTION D. Source Level Requirements**

operation. The "startup" and "shutdown" shall be performed in accordance with Solar procedures. Low temperature operation is operation at temperatures less than 0°F.

[Authorization from plan approval 32-00230B]

[Compliance with the NOx emission limit of 15 ppmvd @ 15 O2 above ensures compliance with 40 CFR (Subpart KKKK) §60.4320 Table 1 NOx emission limit fo 25 ppm @ 15% O2]

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

The sulfur content of the natural gas combusted by the Solar Titan 130 turbine shall not exceed 5 grains per 100 standard cubic feet.

[Authorization from plan approval 32-00230B]

[Compliance with this condition ensures compliance with 40 CFR (Subpart KKKK §60.4365)]

**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Visible emissions from the Solar Titan 130 turbine stack shall not exceed 10% opacity at any time.

[Authorization from plan approval 32-00230B]

**# 005 [25 Pa. Code §129.112]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule**

(g) The owner and operator of a NOx air contamination source listed in this subsection that is located at a major NOx emitting facility or a VOC air contamination source listed in this subsection that is located at a major VOC emitting facility subject to § 129.111 may not cause, allow or permit NOx or VOCs to be emitted from the air contamination source in excess of the applicable presumptive RACT emission limitation specified in the following paragraphs:

(1) Not applicable.

(2) The owner or operator of a:

(i)-(iv) Not applicable.

(v) Simple cycle or regenerative cycle combustion turbine with a rated output equal to or greater than 4,100 bhp and less than 60,000 bhp shall comply with the following presumptive RACT emission limitations as applicable:

(A) 42 ppmvd NOx @ 15% oxygen when firing natural gas or a noncommercial gaseous fuel.

(B)-(D) Not applicable.

**Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Periods of startup and shutdown for this source shall be limited to 30 minutes or less.

**II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Performance testing shall be conducted as follows [25 Pa. Code 139.11]:

a. The Owner/Operator shall submit a pre-test protocol to the Department for review at least 90 days prior to the performance of any EPA reference method stack test. The Owner/Operator shall submit a copy of a onetime protocol to the Department for review for the use of a portable analyzer and may repeat portable analyzer testing without additional protocol

**SECTION D. Source Level Requirements**

approvals provided that the same method and equipment are used. All proposed performance test methods shall be identified in the pre-test protocol and approved by the Department prior to testing.

b. The Owner/Operator shall notify the appropriate Regional Office at least 15 days prior to any performance test so that an observer may be present at the time of the test. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

c. Pursuant to 40 CFR §60.8(a), a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

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

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

e. 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.

f. All required stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

g. Pursuant to 25 Pa. Code §§139.53(a)(1) and 139.53(a)(3) the Department requires one electronic copy of all source test submissions (protocols and reports) to be sent to both the appropriate Regional Office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Electronic copies of Protocols and Reports shall be emailed to the following:

Central Office  
RA-EPstacktesting@pa.gov

Northwest Region  
RA-EPNWstacktesting@pa.gov

Notifications and Supplemental Information shall be submitted to the following:

Electronic Submittal  
<http://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

h. The permittee shall ensure that all federal reporting requirements contained in the applicable Subpart of Title 40 of the Code of Federal Regulations (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.

**SECTION D. Source Level Requirements**

[Authorization from plan approval 32-00230B]

**# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The performance test must be done at any load condition within plus or minus 25 percent of 100 percent of peak load. You may perform testing at the highest achievable load point, if at least 75 percent of peak load cannot be achieved in practice. You must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.

(Additional authority for this condition is derived from 40 CFR §60.4400(b)) [25 Pa. Code §127.12b.]

a - c. n/a

d. Compliance with the applicable emission limit in §60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NOX emission rate at each tested level meets the applicable emission limit in §60.4320.

e. n/a

f. The ambient temperature must be greater than 0°F during the performance test.

[Authorization from plan approval 32-00230B]

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

Turbine initial and subsequent NOx testing shall be performed as follows (Additional authority for this condition is derived from 40 CFR §60.4400(a)) [25 Pa. Code §127.12b]:

a. There are two general methodologies that you may use to conduct the performance tests. For each test run:

1) Measure the NOx concentration (in parts per million (ppm)), using EPA Method 7E or EPA Method 20 in appendix A of this part. For units complying with the output-based standard, concurrently measure the stack gas flow rate, using EPA Methods 1 and 2 in appendix A of this part, and measure and record the electrical and thermal output from the unit. Then, use the following equation to calculate the NOx emission rate:

$$E = \frac{(1.194 \times 10^{-7}) \times [(NO_x)c] \times Q_{std}}{P}$$

Where:

E = NOx emission rate, in lb/MWh

1.194 X 10<sup>-7</sup> = conversion constant, in lb/dscf-ppm

(NO<sub>x</sub>)c = average NOx concentration for the run, in ppm

Q<sub>std</sub> = stack gas volumetric flow rate, in dscf/hr

P = gross electrical and mechanical energy output of the combustion turbine, in MW (for simple-cycle operation), for combined-cycle operation, the sum of all electrical and mechanical output from the combustion and steam turbines, or, for combined heat and power operation, the sum of all electrical and mechanical output from the combustion and steam turbines plus all useful recovered thermal output not used for additional electric or mechanical generation, in MW, calculated according to §60.4350(f)(2); or

2) Measure the NOx and diluent gas concentrations, using either EPA Methods 7E and 3A, or EPA Method 20 in appendix A of this part. Concurrently measure the heat input to the unit, using a fuel flowmeter (or flowmeters), and measure the electrical and thermal output of the unit. Use EPA Method 19 in appendix A of this part to calculate the NOx emission rate in lb/MMBtu. Then, use Equations 1 and, if necessary, 2 and 3 in §60.4350(f) to calculate the NOx emission rate in lb/MWh.

**SECTION D. Source Level Requirements**

b. Sampling traverse points for NO<sub>x</sub> and (if applicable) diluent gas are to be selected following EPA Method 20 or EPA Method 1 (non-particulate procedures) and sampled for equal time intervals. The sampling must be performed with a traversing single-hole probe, or, if feasible, with a stationary multi-hole probe that samples each of the points sequentially. Alternatively, a multi-hole probe designed and documented to sample equal volumes from each hole may be used to sample simultaneously at the required points.

c. Notwithstanding paragraph (a)(2) of this section, you may test at fewer points than are specified in EPA Method 1 or EPA Method 20 in appendix A of this part if the following conditions are met:

1) You may perform a stratification test for NO<sub>x</sub> and diluent pursuant to

i. [Reserved], or

ii. The procedures specified in section 6.5.6.1(a) through (e) of appendix A of part 75 of this chapter.

2) Once the stratification sampling is completed, you may use the following alternative sample point selection criteria for the performance test:

i. If each of the individual traverse point NO<sub>x</sub> concentrations is within  $\pm 10$  percent of the mean concentration for all traverse points, or the individual traverse point diluent concentrations differs by no more than  $\pm 5$  ppm or  $\pm 0.5$  percent CO<sub>2</sub> (or O<sub>2</sub>) from the mean for all traverse points, then you may use three points (located either 16.7, 50.0 and 83.3 percent of the way across the stack or duct, or, for circular stacks or ducts greater than 2.4 meters (7.8 feet) in diameter, at 0.4, 1.2, and 2.0 meters from the wall). The three points must be located along the measurement line that exhibited the highest average NO<sub>x</sub> concentration during the stratification test; or

ii. n/a

iii. For turbines with a NO<sub>x</sub> standard less than or equal to 15 ppm @15% O<sub>2</sub>, you may sample at a single point, located at least 1 meter from the stack wall or at the stack centroid if each of the individual traverse point NO<sub>x</sub> concentrations is within  $\pm 2.5$  percent of the mean concentration for all traverse points, or the individual traverse point diluent concentrations differs by no more than  $\pm 1$  ppm or  $\pm 0.15$  percent CO<sub>2</sub> (or O<sub>2</sub>) from the mean for all traverse points.

[Authorization from plan approval 32-00230B]

**# 010 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Owner/Operator shall perform NO<sub>x</sub>, CO, VOC, HCHO, Total Particulate Matter, PM<sub>10</sub>, and PM<sub>2.5</sub> emission testing upon the Solar Titan 130 turbine according to the requirements of 25 Pa. Code Chapter 139. Initial performance testing is required within 180 days of startup of the turbine. Subsequent NO<sub>x</sub>, CO and VOC performance testing shall be conducted no less often than once every two years thereafter. Each performance test shall be conducted using EPA Reference Methods.

[Authorization from plan approval 32-00230B]

[Compliance with this conditions ensures compliance with 40 CFR (Subpart KKKK) §60.4340]

**III. MONITORING REQUIREMENTS.**

**# 011 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

(a) The Owner/Operator shall perform periodic monitoring for NO<sub>x</sub> and CO emissions from the Solar Titan 130 turbine at the Facility. Periodic monitoring shall be performed every 2,500 hours of operation and no sooner than 45 days from the previous test. A Department-approved test that has been performed within 45 days prior to the scheduled periodic monitoring may be used in lieu of the periodic monitoring for that time period. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three 20-minute test runs. The Department may alter the frequency of portable analyzer tests based on the test results. If NO<sub>x</sub> and CO emission results from the most recently conducted EPA Method stack tests are less than or equal to 75% of the NO<sub>x</sub> and CO emission limit, frequency of the periodic monitoring may be

**SECTION D. Source Level Requirements**

reduced to once annually. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D6522 or equivalent as approved by the Department. The Department may also waive all or parts of this requirement if the Owner/Operator demonstrates compliance, in lieu of testing, through alternate means satisfactory to the Department. Periodic NO<sub>x</sub> and CO monitoring results shall be submitted to the Department within 60 days of completion.

[Authorization from plan approval 32-00230B]

(b) If NO<sub>x</sub> and CO emission results from the most recently conducted EPA Method stack tests are less than or equal to 75% of the NO<sub>x</sub> and CO emission limit, frequency of the periodic monitoring is authorized by the Department to be reduced to annually. If the most recent stack test is greater than 75% of the NO<sub>x</sub> and CO emission limit, the facility must perform periodic monitoring at the frequency as in paragraph (a) above.

[Additional Authorization of paragraph (b) is granted in Title V Operating Permit renewal issued on 01/30/2025.]

**IV. RECORDKEEPING REQUIREMENTS.****# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall maintain the following comprehensive and accurate records for the Solar Titan 130-20502S3:

- a. The number of hours per month that the turbine is operated.
- b. The date, start time, and duration of startup, shutdown, and low temperature operation periods for the turbine.
- c. The amount of fuel used per month by the turbine.
- d. Records including a description of testing methods, results, all turbine and engine operating data collected during tests, and a copy of the calculations performed to determine compliance with emission standards for the each turbine and engine.
- e. Copies of the report that demonstrates that the turbine was operating at maximum routine operating conditions and within plus or minus 25 percent of 100 percent peak load (or the highest achievable load) during performance testing.
- f. Copies of the manufacturer's recommended maintenance schedule for the turbine and catalyst.
- g. Records of any maintenance conducted on the turbine and catalyst.
- h. Records that the total sulfur content of the natural gas being fired in the turbine does not exceed 5 grains per 100 standard cubic feet.

[Authorization from plan approval 32-00230B]

**# 013 [25 Pa. Code §129.115]****Written notification, compliance demonstration and recordkeeping and reporting requirements**

(a) Completed.

(b) Except as specified in subsection (d), the owner and operator of an air contamination source subject to a NO<sub>x</sub> RACT requirement or RACT emission limitation or VOC RACT requirement or RACT emission limitation, or both, listed in § 129.112 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1)-(5) Not applicable.

(6) For an air contamination source without a CEMS, monitoring and testing in accordance with an emissions source test approved by the Department or appropriate approved local air pollution control agency that meets the requirements of

**SECTION D. Source Level Requirements**

Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted to demonstrate initial compliance and subsequently on a schedule set forth in the applicable permit.

(c)-(e) Not applicable.

(f) The owner and operator of an air contamination source subject to this section and §§ 129.111—129.114 shall keep records to demonstrate compliance with §§ 129.111—129.114 and submit reports to the Department or appropriate approved local air pollution control agency in accordance with the applicable regulations in 25 Pa. Code, Part I, Subpart C, Article III (relating to air resources) and as specified in the operating permit or plan approval for the air contamination source as follows:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements of §§ 129.111—129.114 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.

(3) The records necessary to determine compliance shall be reported to the Department or appropriate approved local air pollution control agency on a schedule specified in the applicable regulation or as otherwise specified in the operating permit or plan approval for the air contamination source.

(g)-(j) Not applicable.

(k) 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.

**V. REPORTING REQUIREMENTS.**

**# 014 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Owner/Operator shall submit the following turbine reports in accordance with 40 CFR §60.4375:

a. n/a

b. For each affected unit that performs annual performance tests in accordance with §60.4340(a), you must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

[Authorization from plan approval 32-00230B]

**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.**

**# 015 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Solar Titan 130-20502S3 turbine is subject to the requirements under 40 CFR Part 60 Subpart KKKK – Standards of Performance for Stationary Combustion Turbines. [40 CFR §60.4305]. All terms used in 40 CFR Part 60 Subpart KKKK shall have the meaning given in 40 CFR §60.4420 or elsewhere in the Clean Air Act and 40 CFR Part 60 Subpart A.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Solar Titan 130 turbine at this Facility is subject New Source Performance Standards in 40 CFR Part 60 Subpart KKKK. In accordance with 40 CFR §60.4, copies of all requests, reports, applications, submittals and other communications regarding the turbine shall be forwarded to both EPA and the Department at the addresses listed below unless otherwise noted.

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, Pennsylvania 19103-2852

Pennsylvania Department of Environmental Protection  
Electronic Submittal  
<http://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

**# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Owner/Operator shall operate and maintain the stationary combustion turbine, air pollution equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction [40 CFR §60.4333].

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

**SECTION D. Source Level Requirements**

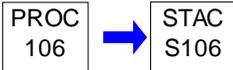
Source ID: 106

Source Name: 880HP WAUKESHA MODEL VGF36GL EMERGENCY NG ENGINE

Source Capacity/Throughput:

N/A

Natural Gas

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

(a) Subsections (b) and (c) apply to all processes except combustion units, incinerators and pulp mill smelt dissolving tanks.

(b) Not applicable.

(c) For processes not listed in subsection (b)(1), including but not limited to, coke oven battery waste heat stacks and autogeneous zinc coker waste heat stacks, the following shall apply:

(1) Prohibited emissions. No person may permit the emission into the outdoor atmosphere of particulate matter from any process not listed in subsection (b)(1) in a manner that the concentration of particulate matter in the effluent gas exceeds any of the following:

(i) .04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

(ii) - (iii) Not applicable.

(2) Not applicable.

(d) Not applicable.

**# 002 [25 Pa. Code §129.111]****Applicability**

(a)-(b) Not applicable.

(c) Sections 129.112—129.114 do not apply to the owner and operator of a NO<sub>x</sub> air contamination source that has the potential to emit less than 1 TPY of NO<sub>x</sub> located at a major NO<sub>x</sub> emitting facility subject to subsection (a) or (b) or a VOC air contamination source that has the potential to emit less than 1 TPY of VOC located at a major VOC emitting facility subject to subsection (a) or (b). The owner or operator shall identify and list these sources in the written notification required under § 129.115(a).

(d)-(e) Not applicable.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?**

(a)-(d) Not applicable.

(e) Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. [Omitted non-applicable language]

(f)-(h) Not applicable.

**SECTION D. Source Level Requirements**

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

Table 1 to Subpart JJJJ of Part 60—NO<sub>x</sub>, CO, and VOC Emission Standards for Stationary Non-Emergency SI Engines =100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/Digester Gas Engines, and Stationary Emergency Engines >25 HP

Emission Standards for an emergency engine with a maximum engine power equal to or greater than 130HP:

NO<sub>x</sub>: 2.0 g/HP-hr; 160 ppmvd at 15% O<sub>2</sub>

CO: 4.0 g/HP-hr; 540 ppmvd at 15% O<sub>2</sub>

VOC\*: 1.0 g/HP-hr; 86 ppmvd at 15% O<sub>2</sub>

\*For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

[76 FR 37975, June 28, 2011]

**Operation Hours Restriction(s).**

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

Operation of the Waukesha VGF36GL shall not exceed 100 hours in any consecutive 12-month period.

[Authorization from plan approval 32-00230B]

**II. TESTING REQUIREMENTS.**

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.

(a) Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in § 60.8 and under the specific conditions that are specified by Table 2 to this subpart.

(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in § 60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine.

(c) You must conduct three separate test runs for each performance test required in this section, as specified in § 60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

(d) To determine compliance with the NO<sub>x</sub> mass per unit output emission limitation, convert the concentration of NO<sub>x</sub> in the engine exhaust using Equation 1 of this section:

[See 40 CFR §60.4244 for Equation 1]

(e) To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

[See 40 CFR §60.4244 for Equation 2]

(f) For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To

**SECTION D. Source Level Requirements**

determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

[See 40 CFR §60.4244 for Equation 3]

(g) If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

[See 40 CFR §60.4244 for Equation 4, 5, and 6]

**III. MONITORING REQUIREMENTS.**

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4237]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?**

(a) Starting on July 1, 2010, if the emergency stationary SI internal combustion engine that is greater than or equal to 500 HP that was built on or after July 1, 2010, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter.

(b)-(c) Not applicable.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

The Owner/Operator shall maintain the following comprehensive and accurate records for the Waukesha VGF36GL Emergency Generator Engine:

- a. The number of hours per month that the engine is operated.
- b. Records including a description of testing methods, results, all engine operating data collected during tests, and a copy of the calculations performed to determine compliance with emission standards for the each turbine and engine.
- c. Copies of the report that demonstrates that the engine was operating at maximum routine operating conditions and within plus or minus 10 percent of 100 percent peak load (or the highest achievable load) during performance testing.
- d. Copies of the manufacturer's recommended maintenance schedule for the engine.
- e. Records of any maintenance conducted on the engine.

[Authorization from plan approval 32-00230B. Paragraph (c) is updated in TV Operating Permit renewal on 1/17/25 to reflect 40 CFR 60.4244 by changing the range from plus or minus 25 percent to 10 percent.]

**# 008 [25 Pa. Code §129.115]**

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

(a)-(f) Not applicable.

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

(h)-(j) Not applicable.

(k) The records shall be retained by the owner or operator for 5 years and made available to the Department or appropriate

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approved local air pollution control agency upon receipt of a written request from the Department or appropriate approved local air pollution control agency.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. [non-applicable language omitted] 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.

(c)-(j) See Reporting Requirements

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021; 87 FR 48606, Aug. 10, 2022; 89 FR 70514, Aug. 30, 2024]

**V. REPORTING REQUIREMENTS.****# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]****Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a)-(b) See Recordkeeping Requirements

(c) Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in § 60.4231 must submit an initial notification as required in § 60.7(a)(1). The notification must include the information in paragraphs (c)(1) through (5) of this section. Beginning on February 26, 2025 submit the notification electronically according to paragraph (g) of this section.

(1) Name and address of the owner or operator;

(2) The address of the affected source;

(3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;

(4) Emission control equipment; and

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(5) Fuel used.

(d) Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in § 60.4244 within 60 days after the test has been completed. Performance test reports using EPA Method 18, EPA Method 320, or ASTM D6348-03 (incorporated by reference—see 40 CFR 60.17) to measure VOC require reporting of all QA/QC data. For Method 18, report results from sections 8.4 and 11.1.1.4; for Method 320, report results from sections 8.6.2, 9.0, and 13.0; and for ASTM D6348-03 report results of all QA/QC procedures in Annexes 1-7. Beginning on February 26, 2025, performance tests must be reported electronically according to paragraph (f) of this section.

(e) If you own or operate an emergency stationary SI ICE with a maximum engine power more than 100 HP that operates for the purpose specified in § 60.4243(d)(3)(i), you must submit an annual report according to the requirements in paragraphs (e)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

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

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v)-(vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in § 60.4243(d)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4243(d)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 60.4. Beginning on February 26, 2025, submit annual report electronically according to paragraph (g) of this section.

(f) Beginning on February 26, 2025, within 60 days after the date of completing each performance test, you must submit the results following the procedures specified in paragraph (g) of this section. Data collected using test methods that are supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) at the time of the test must be submitted in a file format generated using the EPA's ERT. Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website. Data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test must be included as an attachment in the ERT or an alternate electronic file.

(g) If you are required to submit notifications or reports following the procedure specified in this paragraph (g), you must submit notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in paragraphs (g)(1) and (2) of this section. Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release

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without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR part 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this paragraph (g).

(1) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address [oaqpscbi@epa.gov](mailto:oaqpscbi@epa.gov), and as described in paragraph (g) of this section, should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Spark Ignition Internal Combustion Engine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments, and if you do not have your own file sharing service, please email [oaqpscbi@epa.gov](mailto:oaqpscbi@epa.gov) to request a file transfer link.

(2) If you cannot transmit the file electronically, you may send CBI information through the postal service to the following address: OAQPS Document Control Officer (C404-02), OAQPS, U.S. Environmental Protection Agency, 109 T.W. Alexander Drive, P.O. Box 12055, Research Triangle Park, North Carolina 27711. ERT files should be sent to the attention of the Group Leader, Measurement Policy Group, and all other files should be sent to the attention of the Stationary Spark Ignition Internal Combustion Engine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.

(h) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with that reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (h)(1) through (7) of this section.

(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

(2) The outage must have occurred within the period of time beginning five business days prior to the date that the submission is due.

(3) The outage may be planned or unplanned.

(4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(5) You must provide to the Administrator a written description identifying:

(i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

(iii) A description of measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

(i) If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with that reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (i)(1) through (5) of this section.

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(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

(2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(3) You must provide to the Administrator:

(i) A written description of the force majeure event;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

(iii) A description of measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported.

(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

(j) Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021; 87 FR 48606, Aug. 10, 2022; 89 FR 70514, Aug. 30, 2024]

**VI. WORK PRACTICE REQUIREMENTS.**

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4234]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?**

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]**

**Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

**What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

(a) Not applicable.

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(1) Not applicable.

(2) Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in §

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60.4233(d) or (e) and according to the requirements specified in § 60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.

(i) Not applicable.

(ii) If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

(c) Not applicable.

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

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

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

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

(ii)-(iii) [Reserved]

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

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

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

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

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

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

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local

**SECTION D. Source Level Requirements**

balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

(e)-(i) Not applicable.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021; 87 FR 48606, Aug. 10, 2022]

**VII. ADDITIONAL REQUIREMENTS.****# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The Waukesha VGF36GL natural gas-fired engine at this facility is subject to applicable requirements of 40 CFR Part 63 Subpart ZZZZ-National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

In accordance with 40 CFR §63.6590(c)(1), as a new stationary RICE located at an area source of HAPs, the Waukesha VGF36GL natural gas-fired engine at this facility must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart JJJJ for spark ignition engines. No further requirements apply to this engine under Part 63.

[Authorization from plan approval 32-00230B]

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



**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: GAS RELEASES

Source Capacity/Throughput:

N/A

Natural Gas



**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**

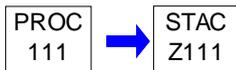
Source ID: 111

Source Name: COMPONENT LEAKS

Source Capacity/Throughput:

N/A

Natural Gas

**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: NOXBUDGET UNIT

Group Description: GE Frame 5 Turbine with Oxidation Catalyst

**Sources included in this group**

ID	Name
103	GENERAL ELECTRIC FRAME 5 TURBINE,M5001R-NT (31301),SN 127699

**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.****# 001 [25 Pa. Code §145.2]****Definitions.**

Words and terms when used in conditions in this subfacility group shall have the meanings set forth in 25 Pa. Code §145.2 unless the context clearly indicates otherwise.

**# 002 [25 Pa. Code §145.4.]****Applicability.**

(a) The following units shall be NOx budget units, and any source that includes one or more of the units shall be a NOx budget source, subject to the requirements of this subchapter:

(1) Not applicable.

(2) Nonelectric generating units.

(i) For units that commenced operation before January 1, 1997, a unit that has a maximum design heat input greater than 250 mmBtu/hr and that did not serve during 1995 or 1996 a generator producing electricity for sale under firm contract to the electric grid.

(ii) For units that commenced operation on or after January 1, 1997, and before January 1, 1999, a unit that has a maximum design heat input greater than 250 MMBtu/hr and that did not serve during 1997 or 1998 a generator producing electricity for sale under firm contract to the electric grid.

**SECTION E. Source Group Restrictions.**

(iii) For units that commenced operation on or after January 1, 1999, a unit with a maximum design heat input greater than 250 mmBtu/hr that does one of the following:

(A) At no time serves a generator producing electricity for sale.

(B) At any time serves a generator producing electricity for sale, if the generator has a nameplate capacity of 25MWe or less and has the potential to use no more than 50% of the potential electrical output capacity of the unit.

(b) Twenty-five ton exemption.

(1) Notwithstanding subsection (a), a unit under subsection (a)(1) or (2) that has a Federally enforceable permit that includes a NOx emission limitation restricting NOx emissions during a control period to 25 tons or less and that includes the special provisions in subsection (b)(4) shall be exempt from the requirements of the NOx Budget Trading Program, except for subsection (a), this paragraph and 145.2, 145.3, 145.7, 145.40-145.43, 145.50-145.57 and 145.60-145.62. The NOx emission limitation under this paragraph shall restrict NOx emissions during the control period by limiting unit operating hours or heat input. The restriction on unit operating hours shall be calculated by dividing the permit restriction tonnage by the unit's maximum potential hourly NOx mass emissions, which shall equal the unit's maximum rated hourly heat input multiplied by the highest default NOx emission rate otherwise applicable to the unit under 40 CFR 75.19 (relating to optional emissions calculation for low mass emissions units). The restriction on heat input shall be calculated by dividing the permit restriction tonnage by the unit's highest default NOx emission rate otherwise applicable to the unit under 40 CFR 75.19.

(2) The exemption under paragraph (1) shall become effective under one of the following subparagraphs as follows:

(i) The exemption shall become effective on the date on which the NOx emission limitation and the special provisions in the permit under paragraph (1) become final.

(ii) If the NOx emission limitation and the special provisions in the permit under paragraph (1) become final during a control period and after the first date on which the unit operates during that control period, the exemption shall become effective on May 1 of the control period, provided that the NOx emission limitation and the special provisions apply to the unit as of the first date of operation. If the NOx emission limitation and special provisions do not apply to the unit as of the first date of operation, the exemption under paragraph (1) shall become effective on October 1 of the year during which the NOx emission limitation and the special provisions become final.

(3) The Department will provide notice to the NOx Budget Administrator of the issuance of the permit and, upon request, a copy of the permit.

(4) Special provisions are as follows:

(i) A unit exempt under paragraph (1) shall comply with the restriction on unit operating hours described in paragraph (1) during the control period each year.

(ii) The Department will allocate NOx allowances to the unit under 145.41(a)-(c) and 145.42(a)-(c) (relating to timing requirements for NOx allowance allocations; and NOx allowance allocations) for each control period for which the unit is allocated NOx allowances under 145.41(a)-(c) and 145.42(a)-(c) the following shall occur:

(A) The owners and operators of the unit shall specify a general account, in which the NOx Budget Administrator will record the NOx allowances.

(B) After the NOx Budget Administrator records NOx allowances under 145.41(a)-(c) and 145.42(a)-(c), the NOx Budget Administrator will deduct, from the general account specified in clause (A), NOx allowances that are allocated for the same or a prior control period as the NOx allowances allocated to the unit under 145.41(a)-(c) and 145.42(a)-(c) and that equal the NOx emission limitation (in tons of NOx) on which the unit's exemption under paragraph (1) is based. The NOx authorized account representative shall ensure that the general account contains the NOx allowances necessary for completion of the deduction.

(iii) A unit exempt under subsection (b) shall report hours of unit operation during the control period in each year to the

**SECTION E. Source Group Restrictions.**

Department by November 1 of that year.

(iv) For 5 years from the date the records are created, the owners and operators of a unit exempt under paragraph (1) shall retain records demonstrating that the conditions of the Federally enforceable permit under paragraph (1) were met, including the restriction on unit operating hours. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Department or administrator. The owners and operators bear the burden of proof that the unit met the restriction on unit operating hours.

(v) The owners and operators and, to the extent applicable, the NOx authorized account representative of a unit exempt under paragraph (1) shall comply with the requirements of the NOx Budget Trading Program concerning all periods for which the exemption is not in effect, even if these requirements arise, or must be complied with, after the exemption takes effect.

(vi) On the earlier of the following dates, a unit exempt under paragraph (1) shall lose its exemption when one of the following occurs:

(A) The date on which the restriction on unit operating hours described in paragraph (1) is removed from the unit's Federally enforceable permit or otherwise becomes no longer applicable to any control period starting in 2003.

(B) The first date on which the unit fails to comply, or with regard to which the owners and operators fail to meet their burden of proving that the unit is complying, with the restriction on unit operating hours described in paragraph (1) during any control period starting in 2003.

(vii) A unit that loses its exemption in accordance with subparagraph (vi) shall be subject to this subchapter. For the purpose of allocating allowances under 145.40-145.43 (relating to State trading program budget) and applying monitoring requirements under 145.70-145.76 (relating to recordkeeping and reporting requirements), the unit shall be treated as commencing operation and, if the unit is covered by subsection (a)(1), commencing commercial operation on the date the unit loses its exemption.

(viii) a unit that is exempt under paragraph (1) is not eligible to be a NOx budget opt-in unit under 145.80-145.88 (relating to opt-in process).

**# 003 [25 Pa. Code §145.8.]****Transition to CAIR NOx Trading Programs.**

(a) Not applicable.

(b) Not applicable.

(c) Requirements replaced. The emission limitations and monitoring requirements established in Subchapter A (relating to NOx Budget Trading Program) are replaced by the requirements in Subchapter D beginning with the May 1, 2010, control period. If the owner or operator of a NOx budget unit or CAIR NOx Ozone Season unit, as defined in 40 CFR 96.302, has failed to demonstrate compliance with § 145.54 (relating to compliance), the provisions in 40 CFR 96.354 (relating to compliance with CAIR NOx emissions limitation) shall be used to withhold CAIR NOx Ozone Season allowances, as that term is defined in 40 CFR 96.302, in calendar year 2010 and beyond. If no CAIR NOx Ozone Season allowances are provided to the unit under § 145.221 (relating to timing requirements for CAIR NOx Ozone Season allowance allocations), the owner or operator of the unit shall acquire and retire a number of CAIR NOx Ozone Season allowances as specified in 40 CFR 96.354.

(d) Non-EGU NOx Trading Program Budget. For units subject to the applicability requirements of § 145.4 (relating to applicability), but not subject to the CAIR NOx Ozone Season Trading Program requirements of Subchapter D, the following requirements apply:

(1) Not applicable.

(2) CAIR NOx ozone season allowances. All units subject to this subsection shall monitor and report NOx emissions in accordance with 40 CFR Part 96, Subpart HHHH (relating to monitoring and reporting), and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF (relating to CAIR

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designated representative for CAIR NOx ozone season sources; and CAIR NOx ozone season allowance tracking system), incorporated into Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NOx Trading Program budget limitation of paragraph (1) and of retiring CAIR NOx ozone season allowances.

(3) CAIR NOx allowances. All units subject to this subsection shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF (relating to CAIR designated representative for CAIR NOx sources; and CAIR NOx allowance tracking system), incorporated into Subchapter D by reference, for the purpose of retiring CAIR NOx allowances.

(4) Not applicable.

(5) Allowable emissions per unit. By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:

Allowable emission rate X each unit's heat input:

3,438 tons of NOx

Where "Allowable emission rate" =  $\frac{3,438 \text{ tons of NOx}}{\text{Combined heat input of all units during the most recent ozone season}}$

(6) Allowance surrender for excess emissions. If the combined NOx emissions from all units subject to this subsection exceed 3,438 tons in an ozone season, then a unit whose actual emissions exceed the unit's allowable emissions for that ozone season, as determined under paragraph (5), shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx ozone season allowance and one CAIR NOx allowance for each ton of excess emissions. A unit whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Units under common ownership may include the allowable and actual emissions from multiple units to determine whether a unit must surrender allowances.

(7) Surrender procedure. To surrender allowances under paragraph (6), an owner or operator of a unit shall surrender the required CAIR NOx ozone season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

(i) The serial number of each allowance surrendered.

(ii) The calculations used to determine the quantity of allowances required to be surrendered.

(8) Failure to surrender allowances. If an owner or operator fails to comply with paragraph (6), the owner or operator shall by June 30 surrender three CAIR NOx ozone season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under paragraph (6).

(9) Liability not affected. The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under paragraph (6) does not affect the liability of the owner or operator of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the owner or operator of the unit demonstrates that a lesser number of days should be considered.

(ii) Each ton of excess emissions is a separate violation.

(10) Allowance retirement. The Department will permanently retire to the Department's CAIR NOx retirement account the allowances surrendered under paragraphs (6)--(9).

(11) Actual emissions below allowable emissions. If a facility's allowable emissions exceed the facility's actual emissions for an ozone season, the owner or operator may deduct the difference or any portion of the difference from the actual emissions of units under the facility's common control that are subject to §§ 129.201--129.203 (relating to boilers; stationary combustion turbines; and stationary internal combustion engines).



**SECTION E. Source Group Restrictions.**

(12) Not applicable.

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



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
103	GENERAL ELECTRIC FRAME 5 TURBINE,M5001R-NT (31301),SN 127699		
Emission Limit		Pollutant	
6.120	Lbs/Hr	(normal)	CO
68.210	Tons/Yr	(all)	CO
3.000	Tons/Yr	(all)	NMHC
25.000	PPMV	dry @ 15% O2 (normal)	NOX
29.070	Lbs/Hr	(normal)	NOX
42.000	PPMV	dry @ 15% Oxygen	NOX
73.760	Tons/Yr	(all)	NOX
0.040	gr/DRY FT3		TSP
4.430	Tons/Yr	(all)	VOC
105	SOLAR TITAN 130 NATURAL GAS FIRED TURBINE		
Emission Limit		Pollutant	
0.480	Lbs/Hr	(normal)	CO
40.270	Tons/Yr	(all)	CO
9.460	Lbs/Hr	(normal)	NOX
15.000	PPMV	dry at 15% O2 (normal)	NOX
38.490	Tons/Yr	(all)	NOX
42.000	PPMV	dry @ 15% Oxygen	NOX
0.040	gr/DRY FT3		TSP
0.800	Lbs/Hr	(normal)	VOC
3.090	Tons/Yr	(all)	VOC
106	880HP WAUKESHA MODEL VGF36GL EMERGENCY NG ENGINE		
Emission Limit		Pollutant	
4.000	GRAMS/HP-Hr		CO
540.000	PPMV	dry basis at 15% O2	CO
2.000	GRAMS/HP-Hr		NOX
160.000	PPMV	dry basis at 15% O2	NOX
0.040	gr/DRY FT3		TSP
1.000	GRAMS/HP-Hr		VOC
86.000	PPMV	dry basis at 15% O2	VOC

**Site Emission Restriction Summary**

Emission Limit	Pollutant
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**SECTION G. Emission Restriction Summary.**

**SECTION H. Miscellaneous.**

(a) The facility consists of the following sources:

Source 103, GE Frame 5 Turbine (31301)  
Source 105, Solar Titan 130 Turbine (31302)  
Source 106, Emergency Generator (31335)  
Source 110, Gas Releases (313-GR)  
Source 111, Component Leaks (Fugitives) (313-FG1)

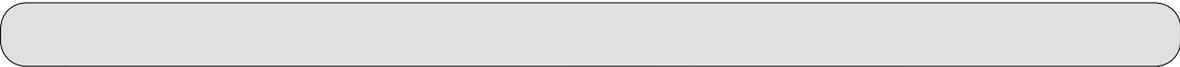
(b) Miscellaneous equipment at the site consists of the following:

0.77 MMBtu/hr Natural Gas-Fired Heater (313-HTR-1) (installed in 2002)  
0.75 MMBtu/hr Natural Gas-Fired Heater (313-HTR-2) (exempted on or around August 5, 2013)  
(4) <1 MMBtu/hr natural gas fired water heaters  
400-gal Pressure Vessel (313-V1A)  
667-gal Pressure Vessel (313-V1B)  
Pressure Vessel (313-V2)  
43-gal Pressure Vessel (313-V4S)  
43-gal Pressure Vessel (313-V4D)  
1,300-gal Liquids Storage Tank (313-V5)  
Truck Loading Area (313-TL-PL)

(c) Permit History:

This permit was issued July 31, 2007 and renewed on June 3, 2019.

This permit was amended on March 12, 2009, September 24, 2019, August 27, 2020, and January 10, 2022. The most recent amendment was for change of responsible official which combined administrative amendment applications received October 7, 2021 and December 10, 2021 in OnBase. This permit was renewed on January 30, 2025 with an expiration date of December 31, 2029.



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

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